

2014-2015 MCKINNEY ISD
HIGH SCHOOL ACADEMIC PLANNING GUIDE



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SUPERINTENDENT'S MESSAGE



Dear McKinney ISD Students,

We are excited about the opportunity to present to you the 2014-15 Academic Planning Guide. This guide includes all middle school and high school course offerings, career and college graduation plans. This document is truly your road map to academic success. McKinney ISD Learner Support Department, Career and Technical Education Department, and the Department of Counseling have collaborated in a joint effort to create a guide that has been specifically designed to help you and your parent(s) or guardian plan your high school years so that you will be fully prepared to accomplish your college and/or career aspirations.

We understand that choosing the right course and graduation plan can be difficult. However, you should be encouraged to know that you have an entire team of counselors and campus staff ready to help guide you through this process. The academic program in McKinney ISD is rigorous and relevant to your needs not only today, but for tomorrow. We encourage you to challenge yourself when choosing courses and choose a career path that will help you achieve all of your aspirations.

Please carefully review the courses and graduation program options covered in the Academic Planning Guide, and seek input from your parent(s) or guardian. In addition, it is important for you to remember that your school counselor is a valuable resource for answers to questions. In addition, McKinney ISD has made available for all 7th- 12th grade students a college and career online planning tool; Naviance, to help students successfully create a 4-year high school graduation plan. See your counselor for more details and information. Remember, a counselor's primary responsibility is to be available to you and to help you as you develop a plan that meets *your* individual needs.

Remember to have fun doing this planning process! You have the unique privilege of choosing courses and a career path that will help prepare you for what *you* want to do. So, take your time and choose courses that will inspire you. Most importantly, choose courses and a graduation plan that will challenge you.

On behalf of the McKinney ISD staff and Board of Trustees, I wish you success in the upcoming year, and we look forward to doing whatever we can to ensure that you are successful.

Sincerely,

A handwritten signature in black ink, appearing to read "J.D. Kennedy", with a long horizontal flourish extending to the right.

J.D. Kennedy, Ed.D.
Superintendent

This document serves as a guide. The official document will be the current one posted on the MISD website. Any errors do not supersede local Board and/or state Board policies.



MISD MISSION AND BELIEFS

MCKINNEY INDEPENDENT SCHOOL DISTRICT MISSION:

The mission of MISD, the champion for progressive learning throughout our diverse community, is to inspire and equip all students to explore, develop, and express their unique potential as innovators, critical thinkers, and collaborators through challenging, engaging and diverse learning experiences in vital partnership with our community.

We believe

- All individuals are born with inherent value.
- Personal relationships and connections are vital to learning.
- All individuals deserve an environment that is conducive to mental, physical and spiritual growth.
- Honesty, integrity and trust are imperative.
- Individuals need to feel safe and secure.
- Embracing diversity enhances every individual's experience.
- Choices enhance the opportunity for success.
- Excellence is a never ending journey requiring passion and purpose.
- Education is a shared responsibility.

2014-15 ACADEMIC PLANNING GUIDE

GENERAL INFORMATION

This guide assists McKinney ISD students in making course selections and planning their academic futures. A variety of counseling services is offered at all MISD schools. Counselors work with students, parents, and teachers to select appropriate courses that are challenging and meet graduation requirements. Catalogs, handbooks, and Internet sources are available to students seeking post high-school educational opportunities. These opportunities include two-year and four-year colleges and universities, vocational schools and the armed forces. Financial aid resources and workshops are also available.

PLEASE NOTE: If you are a student entering grade 9 in 2014-15, you must also refer to the “McKinney ISD Guide To Graduating Under House Bill 5” for information regarding changes to graduation requirements. This guide is located at:

http://www.mckinneyisd.net/departments/curriculum-instruction/HB5/Parent_Guide_to_New_Grad_Requirements_Mar20.pdf

For more information, please contact the appropriate school counseling center:

McKinney Boyd High School (469) 302-3400
McKinney High School (469) 302-5700
McKinney North High School (469) 302-4300

PLANNING YOUR HIGH SCHOOL PROGRAM

Practical suggestions for students and parents:

Seniors

- Plan a schedule with rigorous coursework and activities. Colleges look at courses and grades in making admission decisions and students must be prepared to compete academically on the college campus.
- Log into your Naviance account to start searching for colleges and applying for scholarships. See your counselor for details.
- Take an Advanced Placement or dual credit course to experience a college-level curriculum. Colleges look for AP designation on high school transcripts.
- MISD believes that all students need to be college ready. We encourage students to continue in core courses even if all graduation requirements have been met.
- Take three years of a language other than English. It demonstrates the student’s desire to be more competitive and prepared for college.
- Review your grade point average and your test scores to make wise choices on courses for the senior year and for college choices.
- Participate in school-related activities and community service. Institutes of higher learning consider a student’s involvement in activities other than academics.
- Take the SAT/ACT in the fall. Register in early September. Review SAT/ACT scores and take again in December if necessary.
- Attend College Night in the fall and College Information Seminars to gain information on the college admission process.
- Apply to colleges early in your senior year.
- Complete Free Application for Federal Student Aid (FAFSA) or Texas Application for State Financial Aid (TASFA) in January of senior year.

Juniors

- Take challenging courses and do your best at earning high grades in all classes.

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- Log into your Naviance account to start searching for colleges and applying for scholarships. See your counselor for details.
- Discuss your grade point average and test scores with your counselor to make wise choices about junior and senior classes and college options.
- Review and update your four-year plan for graduation.
- Plan to take the PSAT/National Merit Scholarship Qualifying Test in October. The PSAT is administered **only** in October. Use the PSAT score report to study and improve your SAT score.
- Take the SAT/ACT in the spring of the junior year and use your score report to study and improve your score when the SAT is repeated in the senior year.
- SAT website www.collegeboard.org
- ACT website <http://act.org>
- Consider taking courses through correspondence, dual credit, summer school or online to make space for additional classes during the school year. Additional credits are impressive to colleges.
- Take three years of language other than English. It demonstrates the student's desire to be more competitive and prepared for college.
- Maintain an updated resume and portfolio of accomplishments.
- Attend MISD College Night in the fall and gather information on colleges and careers.
- Continue your college search and planning.

Sophomores

- Plan the schedule to complete required courses for graduation.
- Log into your Naviance account to start searching for colleges and applying for scholarships. See your counselor for details.
- Plan to schedule prerequisite courses for electives you want to take in grades 11 and 12.
- Review your transcript and verify grade point average and rank.
- Take the PSAT in October for practice. The PSAT will help prepare you for the National Merit Scholarship Qualifying Test in the 11th grade.
- Participate in school related activities and community service.
- Keep an updated resume and portfolio of accomplishments.
- Consider taking courses through correspondence, dual credit, summer school or online to make space for additional classes during the school year. Additional credits are impressive to colleges.
- Take three years of language other than English. It demonstrates the student's desire to be more competitive and prepared for college.

Freshman (students entering grade 9 in 2014-15 school year will be under a new graduation requirement)

REFER to the McKinney ISD Guide to graduating Under House Bill 5 located on the MISD website at [http://www.mckinneyisd.net/departments/curriculum-instruction/HB5/Parent Guide to New Grad Requirements Mar20.pdf](http://www.mckinneyisd.net/departments/curriculum-instruction/HB5/Parent%20Guide%20to%20New%20Grad%20Requirements%20Mar20.pdf)

- Make a four- year plan for graduation in 8th grade to plan courses for freshman year. Plan to take courses in your junior or senior year, which are relevant to your career and college goals.
- Select courses that not only meet graduation requirements but also ensure or increase college readiness skills and/or prepare you for your career focus.
- Remember that courses and grades determine the grade point average used by the school and colleges.
- Participate in school related activities and community service.
- Consider taking courses through correspondence, dual credit, summer school or online to make space for additional classes during the school year. Additional credits are impressive to colleges.
- Take three years of language other than English. It demonstrates the student's desire to be more competitive and prepared for college.
- Plan to schedule prerequisite courses for electives you want to take in grades 10, 11 and 12.

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***COLLEGE & CAREER PLANNING - NAVIANCE INFORMATION**

McKinney ISD has available for all students grades 7 – 12 the ability to connect to college and career planning. Naviance helps students and families connect what students do in the classroom to their life goals, including finding colleges and careers based on their personal skills and areas of interests. The Naviance platform gives schools, parents and students a central location to set goals and priorities for individual students, track their progress, and measure student outcomes across their entire student population in order to improve college and career readiness.

Connect Learning and Life

Through self-discovery and collaboration with parents, teachers and school counselors, Naviance enables students to find college and career pathways that are right for them. Student's start by:

1. Setting personalized goals
2. Assessing their strengths
3. Exploring career options based on interests
4. Searching for colleges
5. Applying for scholarships
6. And, tracking their admissions status

Finally, Naviance helps students plan a course of action to reach their goals, find resources to prepare academically, and discover their own path.

***The link to log into your account can begin at <https://connection.naviance.com/fclookup.php>.
See your counselor for additional information**

COLLEGE AND CAREER PLANNING – MCKINNEY ISD SAMPLE GRADUATION PLANS

McKinney ISD has developed basic sample graduation plans designed by career and college options. Please take some time to review these career pathways during course registration. See your counselor for additional information.

LINK to sample graduation plans: <http://www.mckinneyisd.net/departments/curriculum-instruction/cte/>

NAVIANCE INSTRUCTIONAL VIDEOS ON YOU TUBE

Click on the links below to watch instructional Videos:

- Overview of Naviance Intro Tour:
 - <http://youtu.be/20UwcIFPPTo>
- How to take the Cluster Finder Assessment:
 - <http://youtu.be/eLUezqIaaKE>
- How to Search for Careers:
 - http://youtu.be/nIWSYF_jUC8

Other additional Naviance instructional videos:

- Introduction to College Searching:
 - <http://youtu.be/f7iPwplUgQo>
- Advanced College Searching:
 - <http://youtu.be/cfhu1kzzINM>
- How to Change your Email:
 - <http://youtu.be/DmLXT0ZjyMk>
- How to Check your Unofficial Rank & GPA:
 - http://youtu.be/iA_3_tYnbzE
- How to Make a Journal Entry:
 - <http://youtu.be/d0GCE8QswO0>

PLEASE VISIT WITH YOUR MIDDLE SCHOOL OR HIGH SCHOOL COUNSELOR FOR MORE INFORMATION ON HOW TO UTILIZE NAVIANCE.

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SCHEDULE CHANGE PROCEDURE

In order to provide course continuity, enhance student learning and allow accurate projections of course offerings and class size, the following schedule change procedure is in effect:

Requests for schedule changes meeting the criteria below must be initiated **ONLY** during the first five days of each semester.

Schedule changes are limited to when a student:

- failed a required course
- already has credit for the course
- is a senior and needs the course to meet graduation requirements
- has not completed the necessary prerequisite course
- is repeating a failed course with same teacher

COURSE CREDIT

Students receive credit for courses by earning a grade of 70 percent or better. According to state law, students must attend 90 percent of the days a class is offered to receive credit.

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FOUR YEAR PLAN: STUDENTS ENTERING GRADE 9 IN 2014-15

SUBJECT AREA	FOUNDATION HIGH SCHOOL PROGRAM + ENDORSEMENT <i>(Refer to the McKinney ISD guide to graduating under House Bill 5)</i>	DISTINGUISHED LEVEL OF ACHIEVEMENT (MISD Recommendation) <i>(Refer to the McKinney ISD guide to graduating under House Bill 5 for college readiness)</i>
English – 4 Credits	English I, II, III, An Advanced English (MISD recommends English IV)	English I, II, III, IV
Math – 4 Credits <i>(MISD recommends students to take 4 years of math during high school regardless of completion of graduation credits)</i>	<p>MUST INCLUDE Algebra I, Geometry, And two additional credits in advanced math (courses subject to prerequisite, please see counselor for details):</p> <ul style="list-style-type: none"> • Math Models • Digital Electronics • Algebra II • Foundations for College Mathematics • Engineering Mathematics • Pre-Calculus • AP Computer Science • AP Statistics • AP Calculus • College preparatory math • College Algebra (dual credit) • Calculus for Business and Economics (dual credit) 	<p>MUST INCLUDE Algebra I, Geometry, Algebra II And one additional credit in advanced math (courses subject to prerequisite, please see counselor for details):</p> <ul style="list-style-type: none"> • Math Models • Digital Electronics • Foundations for College Mathematics • Engineering Mathematics • Pre-Calculus • AP Computer Science • AP Statistics • AP Calculus • College preparatory math • College Algebra (dual credit) • Calculus for Business and Economics (dual credit)
Science – 4 Credits <i>(MISD recommends the science sequence to include: Biology, Chemistry, Physics and one additional advanced science credit)</i>	<p>MUST INCLUDE Biology, Pre-AP Biology or AP Biology One credit must be selected from the following laboratory-based courses (courses subject to prerequisite, please see counselor for details):</p> <ul style="list-style-type: none"> • Integrated Physics and Chemistry (IPC) • Chemistry, Pre-AP Chemistry • AP Chemistry • Physics • Principles of Technology • AP Physics 1 <p>The additional credits may be selected from (courses subject to prerequisite, please see counselor for details):</p> <ul style="list-style-type: none"> • Chemistry • Physics • Astronomy • Earth and Space Science (dual credit GEOL 1401 and PHYS 1403) • Environmental Systems • AP Biology • AP Chemistry • AP Physics 1 • AP Physics 2 (2015-16) • AP Physics C • AP Environmental Science • Anatomy and Physiology • Advanced Animal Science • Forensics • Principles of Technology <p>*If IPC is taken, the class must be successfully completed prior to taking chemistry and physics classes.</p>	<p>MUST INCLUDE Biology, Pre-AP Biology or AP Biology One credit must be selected from the following laboratory-based courses (courses subject to prerequisite, please see counselor for details):</p> <ul style="list-style-type: none"> • Integrated Physics and Chemistry (IPC) • Chemistry, Pre-AP Chemistry • AP Chemistry • Physics • Principles of Technology • AP Physics 1 <p>The additional credits may be selected from (courses subject to prerequisite, please see counselor for details):</p> <ul style="list-style-type: none"> • Chemistry • Physics (MISD recommendation) • Astronomy • Earth and Space Science (dual credit GEOL 1401 and PHYS 1403) • Environmental Systems • AP Biology • AP Chemistry • AP Physics 1 • AP Physics 2 (2015-16) • AP Physics C • AP Environmental Science • Anatomy and Physiology • Advanced Animal Science • Forensics • Principles of Technology <p>*If IPC is taken, the class must be successfully completed prior to taking chemistry and physics classes.</p>
Social Studies – 4 Credits	World Geography, World History, US History, Economics (.5 credit) and US Government (.5 credit)	World Geography, World History, US History, Economics (.5 credit) and US Government (.5 credit)
Fine Arts – Required	1.0 credit	1.0 credit
Speech – Required	0.5 credit Professional Communications	0.5 credit Professional Communications
Health – Required	0.5 credit or 1.0 credit Principles of Health Science	0.5 credit or 1.0 credit Principles of Health Science
Foreign Language - 2 Credits	2.0 credits In Languages other Than English or Computer Science (please see counselor for details prior to selection)	2.0 credits In Languages other Than English or Computer Science (please see counselor for details prior to selection)
Physical Education	1.0 credit	1.0 credit
Electives	5.0 credits (May include CTE or certification courses. Credit requirement specific to at least one endorsement)	5.0 credits (May include CTE or certification courses. Credit requirement specific to at least one endorsement)
TOTAL	26 CREDITS (Including an Endorsement)	26 CREDITS (MUST INCLUDE Algebra II and an Endorsement)



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FOUR YEAR PLAN: STUDENTS ENTERING GRADE 9 **PRIOR TO 2014-15**

SUBJECT AREA	RECOMMENDED PROGRAM	DISTINGUISHED ACHIEVEMENT PROGRAM
English – 4 Credits Required	English I, II, III, IV	English I, II, III, IV
Math – 4 Credits Required <i>(MISD recommends students to take 4 years of math during high school regardless of completion of graduation credits)</i>	<p>MUST INCLUDE Algebra I, Geometry, Algebra II, and a 4th year of Math Math Models before Algebra II (not concurrent) A student may select a fourth credit from the courses listed below:</p> <ul style="list-style-type: none"> • Foundations for College Mathematics • Engineering Mathematics • Pre-Calculus • AP Computer Science • AP Statistics • AP Calculus • College Algebra • Calculus for Business and Economics 	<p>MUST INCLUDE Algebra I, Geometry, Algebra II, and a 4th year of Advanced Math</p>
Science – 4 Credits Required	<p>MUST INCLUDE a Biology, a Chemistry, and a Physics course. A student may take a fourth science course concurrently with Biology, Chemistry, or Physics as long as it is not IPC. A student may select the fourth credit from the courses listed below:</p> <ul style="list-style-type: none"> • Astronomy • Earth and Space Science (dual credit GEOL 1401 and PHYS 1403) • Environmental Systems • AP Biology • AP Chemistry • AP Physics I • AP Physics C: Mechanics / Electricity & Magnetism • AP Environmental Science • IPC: Integrated Physics & Chemistry* <p>The following CTE course:</p> <ul style="list-style-type: none"> • Anatomy and Physiology • Advanced Animal Science • Forensics • High school Principles of Technology <p>*If IPC is taken, the class must be successfully completed prior to taking chemistry and physics classes.</p>	<p>MUST INCLUDE a Biology, a Chemistry, and a Physics course. A student may select the fourth credit from the courses listed below:</p> <ul style="list-style-type: none"> • Astronomy • Earth and Space Science (dual credit GEOL 1401 and PHYS 1403) • Environmental Systems • AP Biology • AP Chemistry • AP Physics I • AP Physics C: Mechanics / Electricity & Magnetism • AP Environmental Science <p>The following CTE courses:</p> <ul style="list-style-type: none"> • Anatomy and Physiology • Advanced Animal Science • Forensics • High school Principles of Technology <p>Note:</p> <ul style="list-style-type: none"> • Integrated Physics & Chemistry (IPC) will not count as 4th year of science credit. • After successful completion of two science courses, a student may take the 3rd and 4th science courses concurrently.
Social Studies – 4 Credits Required	World Geography, World History, US History, Economics (.5 credit) and US Government (.5 credit)	World Geography, World History, US History, Economics (.5 credit) and US Government (.5 credit)
Fine Arts – Required	1.0 credit	1.0 credit
Speech – Required	0.5 credit Professional Communications	0.5 credit Professional Communications
Health – Required	0.5 credit or 1.0 credit Principles of Health Science	0.5 credit or 1.0 credit Principles of Health Science
Foreign Language - Must consist of level I and II in the same language	2.0 credits Foreign language must be 2 credits of the same language	3.0 credits Foreign language must be 3 credits of the same language
Physical Education	1.0 credit	1.0 credit
Electives	5.0 credits	4.0 credits
TOTAL	26 CREDITS	26 CREDITS (MUST INCLUDE 4 ADVANCED MEASURES)

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TRANSCRIPT REVIEW

(For students entering grades 10-12 in 2014-15)

Student Name: _____

Transcript Review

Freshman Year (Prior to 2014-15): _____

26 Required Credits

English (4)	English I	English II	English III	English IV
Math (4)	Algebra I	Geometry	MMA/Algebra II	Alg II/other
Science (4)	IPC/Biology	Bio/Chem/IPC	Physics/Chem	Physics/other
Social Studies (4)	W. Geog	W. History	US History	Gov Econ
Professional Communications (.5)		Health (.5)		
Fine Arts (1)				
Physical Education (1)				
World Language (2)	Required			
Electives (5)				

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THE DISTINGUISHED ACHIEVEMENT PROGRAM (DAP)

This program is available for students who entered grade 9 prior to 2014-15 school year. The Distinguished Achievement Program requires high performance beyond that usually expected of students in high school. In addition to specific course requirements, including three years of the same foreign language, the Distinguished Achievement Program requires that all students successfully complete any combination of four advanced measures that focus on demonstrated student performance at the college level or work equivalent to that done by professionals in the arts, sciences, business, industry or community service. These measures are judged by external sources of evaluation.

Advanced measures are those items that meet the standards included in 19 TAC § 74.13(a) (3). They reflect student performance at a college or professional level and are assessed by external evaluators. The items adopted by the State Board of Education as meeting those standards are as follows:

- **Original research and/or project** which is judged by a panel of professionals in the field that is the focus of the project; or conducted under the direction of mentor(s) and reported to an appropriate audience; and related to the required curriculum set forth in §74.1 relating to the Texas Essential Knowledge and Skills (TEKS).
- **Test data** where a student receives a score of three or above on a College Board Advanced Placement examination; or a score on the PSAT that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corporation, as part of the National Hispanic Scholarship Program of the College Board, or as part of the National Achievement Scholarship program for Outstanding Negro Students of the National Merit Scholarship Corporation. The PSAT score may count as only one advanced measure regardless of the number of honors received by the student.
- **College courses:** college academic courses and advanced technical credit courses and dual credit courses with a grade of 80 or higher.

Students must earn at least four advanced measures and may do so in almost any combination. For example, one student might receive a score of 3 or higher on four Advanced Placement examinations. Another may have a score of 3 or higher on two Advanced Placement examinations, complete a project in a mentorship program, and achieve an “A” or “B” in a community college dual-enrollment course. A third student could take two college courses for high school credit, produce a portfolio of exemplary work in a specific field, and

be recognized as a National Merit Finalist. No more than two measures may be earned through original research projects.

STATE STANDARDIZED TESTS

STAAR/EOC TESTS

Students entering the ninth grade in 2011–2012 and after will be required to take the State of Texas Assessments of Academic Readiness (STAAR) End of Course Assessments (EOC). For more information about STAAR go to the website at:

www.tea.state.tx.us/student.assessment/staar/

GRADE CLASSIFICATION

Students are classified by grade level based on the number of credits earned. Students are reclassified at the beginning of each school year. A student may be reclassified at the end of the fall semester pending principal approval.

Number of credits required for grade classification is as follows:

- | | |
|------------------|-----------------|
| • Freshmen | 0 – 5.5 credits |
| • Sophomore – 10 | 6 credits |
| • Junior – 11 | 12 credits |
| • Senior – 12 | 18 credits |

RANKING OF STUDENTS

A student’s grade point average (GPA) shall be determined by the total number of grade points earned divided by the number of courses for which grades are recorded on the academic achievement record. Grade points are awarded according to the MISD grade point scale for semester grades through the first semester of the senior year. To determine class rank, grade points for the second semester of the senior year, will be awarded based upon the third nine-week grades.

To be valedictorian or salutatorian, a student must complete the requirements listed below:

Valedictorian will be the student who has the highest GPA earned in grades 9-12. The salutatorian will be the student with the second highest GPA earned in grades 9-12. In the event that the student with the first or second highest GPA does not fully qualify, the next highest ranking class member who is fully qualified shall receive the honor.

RANKING OF STUDENTS Cont’d

To be eligible for valedictorian or salutatorian honors, a student shall:

1. meet all requirements for graduation; and
2. have attended a district high school during the entire junior and senior years; and
3. graduate at the end of the school year. Students who graduated at the conclusion of the first semester or in the summer are not eligible for these honors.

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In the event of a tie for valedictorian or salutatorian (exact grade point average is rounded to the fourth decimal place), the tie will be broken by a series of tiebreakers, which are listed below in the order in which the tie breakers will be applied:

1. The total grade points earned during the junior and senior years
2. The total number of TEA-approved advanced courses taken in grades 9-12
3. The total numeric average of all classes taken in grades 9-12

In the event that a tie still exists after all three identified tiebreakers have been applied, the students will share the honor graduate position, either valedictorian or salutatorian.

GPA EXEMPT COURSES

To encourage more students to participate in upper level courses and retain and recruit students with specific interests, McKinney ISD will allow students to apply for a GPA exempt grading option. This option is for Juniors and Seniors only and for any course listed as "GPA Exempt Courses." Students may earn up to four credits (eight semesters) through the GPA exempt option and must have completed all graduation course requirements in that area to apply. Please see your high school counselor to obtain further information

CORRESPONDENCE COURSES

All high school students are eligible to take correspondence courses and earn credit toward graduation. Courses are available through The University of Texas at Austin (www.utexas.edu), Texas Tech (www.ttu.edu) and Plano ISD's eSchool (www.planoisdeshool.net). Counselors have specific information regarding all correspondence courses.

Limitations on correspondence courses:

- Prior to enrollment, a student must make a written request to the principal or designee for approval to enroll in the course. Credit toward graduation may not be awarded if approval was not granted in writing prior to enrollment.
- Correspondence courses cannot be averaged with a semester of coursework taken during the regular school year nor can they be averaged with another correspondence class.
- A senior, who is enrolled in a correspondence course and requires the credit for graduation, will complete the course and submit the grade for recording at least 30 days prior to the graduation date in order to be eligible for graduation at the end of the term.
- A senior graduating early must follow the individual graduation contract approved by the principal.

ONLINE COURSES/DISTANCE LEARNING

McKinney ISD offers students in grades 8-12 options for alternative learning settings through tuition-based online/distance learning coursework.

Students must request online/distance learning courses from their counselors. Courses may be used for credit recovery or credit acceleration. Students will be enrolled as soon as the online contract is completed.

Counselors have a list of online course offerings.

Credit reporting for online coursework:

Credit reporting for online courses will follow existing correspondence course policies. MISD students must be approved for online coursework through their campus counselors.

- Grades earned in online courses will not be used in computing class rankings and GPA's.
- Students will have maximum of six weeks to complete an online course in summer school. A maximum of eighteen weeks will be required during a regular school year.
- Seniors must submit grades for an online course at least 30 days before graduation.

CREDIT BY EXAM (CBE)

IF A STUDENT HAS TAKEN THE COURSE:

A student who has received prior instruction in a course or subject, but did not receive credit for it may, in circumstances determined by the teacher, counselor, principal, and/or attendance committee, be permitted by the district to earn credit by passing an exam on the essential knowledge and skills defined for the course or subject. **To receive credit, a student must score at least 70 on the exam.** In other instances, the district administration will determine if any opportunity for credit by exam will be offered.

The attendance review committee may offer a student with excessive absences an opportunity to earn credit for a course by passing an exam. A student may not use this exam, however, to regain eligibility to participate in extracurricular activities. For further information, see the counselor.

IF A STUDENT HAS NOT TAKEN THE COURSE:

A student will be permitted to take an exam to earn credit for an academic course for which the student has no prior instruction. **The passing score required to earn credit on an exam is 80. The following dates are scheduled during the 2014-2015 school year for exams are:**

November 11, 2014

February 21, 2015

June 9-11, 2015

July 6-10, 2015

If a student plans to take an exam, the student (or parent) must register with the student's counselor no later than 30

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days prior to the scheduled testing date. The district will honor a request by a parent to administer a test on a date other than the published dates. The parent will be responsible for purchasing the test from a university approved by the State Board of Education. [For further information, see MISD Board Policy.]

Credit by Exam review sheets are found at www.depts.ttu.edu/uc/cbereview.

EARLY GRADUATION

Students must apply for early graduation no later than the spring of their junior year. Applicants should obtain credit verification with a counselor to formalize the student's plan for early graduation. Parent and principal approval are required. Students meeting graduation requirements before the scheduled graduation ceremonies may participate in the ceremonies. Students scheduled to complete credits during the summer after graduation may participate in the summer ceremony. Diplomas will be available once summer or correspondence work is verified.

PRE-ADVANCED PLACEMENT PROGRAMS

A Pre-AP course curriculum is an enriched, accelerated program based on introducing and developing College Board strategies. Compared to regular classes, Pre-AP courses expect a greater retention and appreciation of prior knowledge, as well as deeper understanding of the course topics. Pre-AP courses are designed to prepare for AP courses and teach the skills necessary for success in those courses. Pre-AP courses require up to 6 hours of preparation time per course per week and students should expect extensive reading and writing assignments. Enrolling in a Pre-AP course is highly recommended for students who wish to take Advanced Placement courses in the future.

PRE-AP EXIT POLICY

- Students may exit a Pre-AP course between the 16th and 20th day of the semester.
- A student may also exit at the end of the first grading period (1st nine weeks), and
- At the end of the first semester.

Exiting Process

A student desiring to exit a Pre-AP course must take the following steps:

- Attend a documented student/ parent/teacher/ counselor conference.
- Obtain a Pre-AP exit form from the counselor's office.
- Complete the Pre-AP exit form, along with parent, teacher, counselor, and student signatures.
- Submit the Pre-AP exit form to the counseling center between the 16th and 20th day of the first semester, the end of the first grading period or the end of the semester.

If the request is approved, schedule changes will be subject to course availability. If a student transfers out of a Pre-AP class, the student's grades will directly transfer to the course the student enters (i.e. a 60 in Pre-AP class becomes a 60 in a non Pre-AP class).

Students beginning **the second semester** of a Pre-AP course must remain in the class throughout the semester.

ADVANCED PLACEMENT PROGRAM

Advanced Placement courses are college-level courses that follow the College Board Advanced Placement guidelines. To prepare students for the AP exam, these courses involve an extensive accumulation of knowledge in the field that is tested on the AP exam and could require up to 6 hours of preparation time per course per week. Colleges and universities have the option of accepting the AP results for college credit. Exams are graded on a 5 point scale with credit usually given for scores of 3 or higher.

Students enrolled in AP courses take the exams in May.

Students are responsible for a \$30 fee charged for each exam. All McKinney ISD AP students are required to take the AP exams(s) for each AP class(es) they are enrolled in during the current school year. Students not enrolled in AP classes may take AP tests at their own expense.

Courses designated as "AP" are college-level courses, and students should expect course subject matter and workload at a college level. Students enrolled in AP courses are required to take the AP exam at the end of the year. Additionally, students and parents are required to complete and submit an AP agreement that outlines in detail the requirements of the class.

AP EXIT POLICY

- Students may exit an AP course between the 16th and 20th day of the semester for either a one-semester or two-semester course.
- A student may also exit a two-semester course at the end of the first semester. Exit forms must be signed by the parent, teacher, counselor and student and submitted to the counseling center.

Exiting Process

A student desiring to exit an AP course between the 16th and 20th day of the semester must take the following steps:

- Participate in a documented student/ parent/ teacher/counselor intervention meeting.
- Obtain an AP exit form from the counselor's office.
- Complete the exit form, along with parent, teacher, student and counselor signatures.
- Submit the exit form to the counseling center between the 16th and 20th day of the semester.

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A student desiring to exit an AP course after the 20th day of the semester must take the following steps:

- Attend a minimum of three documented tutorial sessions.
- Attend a documented student/parent/teacher/counselor conference.
- Obtain an exit form from the counselor's office and complete the form, along with the parent, counselor, teacher and student signatures.
- Submit the exit form to the counseling office for consideration by the AP campus steering committee.

Once the student completes the required steps, the campus steering committee will decide whether to approve or deny the student's request.

In all cases, if the request is approved, schedule changes will be subject to course availability. If a student transfers out of an AP class, the student's grades will directly transfer to the course the student enters (i.e. a 60 in an AP class becomes a 60 in a non-AP class).

Students beginning **the second semester** of a two-semester course are expected to remain in the course throughout the semester.

DUAL CREDIT PROGRAMS OVERVIEW

McKinney ISD students have the opportunity to take courses that provide both high school and college credit through a partnership between MISD and Collin College. More information is available at www.collin.edu/dualcredit. Dual credit allows junior and/or senior students to earn high-school credit and college hours. Dual credit enrollment is offered to qualified students through Collin College. A variety of courses can be taken for dual credit based on student need and college course offerings. Students must obtain approval by consulting with their counselors prior to enrolling in courses at the community college, as well as satisfying the TSI (Texas Success Initiative) college entrance exam. The community colleges may charge tuition and fees for dual credit courses. Dual credit courses will be weighted on the same grade point scale as Pre-AP courses (5.0). **Each course taken for dual credit may count for one of the four advanced measures in the Distinguished Achievement Program with a grade of 3.0 (B) or higher.**

NOTE – high school students shall not be enrolled in more than two dual credit courses per semester.

PROGRAM DESCRIPTION

MISD offers programs that support student's at all academic levels. Students who need support for special education, sheltered English as a second language (ESL) class, and gifted and talented may find out more information by contacting the counselors at their home campuses.

ALPHA-GIFTED AND TALENTED PROGRAM MISD offers educational opportunities for gifted and talented students in the four core areas. Identified students are served in separate GT sections, GT clusters in Pre-AP and AP classes and independent study in areas of the student choice. All students new to MISD must follow the screening/ selection procedures for possible program admission. GT students who transfer from within the district automatically continue program placement.

Referral forms for the ALPHA program are made available to all teachers, parents, and students through the administrator, counselor, GT specialist, or on the district website at www.mckinneyisd.net (under the academics menu).

SPECIAL EDUCATION SERVICES MISD offers special education services for students from age 3 - 21. Placement in any special-education class depends on eligibility and the decision and placement of the Admission, Review and Dismissal (ARD) Committee. A number of special education programs and classes are offered at the high school level. All special education courses are taken for credit, as are general education courses.

SHELTERED ENGLISH AS A SECOND LANGUAGE (ESL) CLASSES are offered at all MISD secondary campuses. These classes are foundation courses that consist mostly of ESL students. Sheltered courses deliver the grade-appropriate curriculum in a language and vocabulary- rich environment that helps English Language Learners (ELLs) succeed with the grade-level curriculum while continuing to develop their English language proficiency. English is the language of instruction in sheltered classes; however, primary language support is encouraged to ensure that the student fully understands the material. Students must be recommended for sheltered classes based on language proficiency needs. Course offerings may vary by campus depending on number and needs of the ELL population.

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GRADING AND REPORTING

- The school year is comprised of two semesters, each consisting of approximately 90 days.
- Report cards are given to students in nine-week intervals.
- Grades in all subject areas will be defined by two categories:
 1. Summative. These grades will comprise 70% of a student's grade average in the course.
 2. Formative. These grades will comprise 30% of a student's grade average in the course.
- In keeping with EIA (LOCAL), opportunities to retest or redo assignments shall focus on applicable content the student has not mastered.
- Students will receive progress reports at the end of each three weeks for parents to view.
- Parents may also view student progress via the Home Access Center (HAC) available on the MISD web site.
- Teachers are required to send written progress notices, make telephone calls, or schedule parent conferences at the close of the third and sixth week of the reporting period if students are failing or are in danger of failing.
- Tutorial sessions are available from each teacher on a regular basis for students who want or need extra help.
- An overall average of 70 or above is required for the successful completion of a one-semester course.

- MISD high schools will use the following scale if one is not available from the former district:

99 = A+
95 = A
91 = A-
89 = B+
85 = B
81 = B-
79 = C+
75 = C
71 = C-
70 = D (when credit was awarded from transferring district)
69 = D (when credit was NOT awarded from transferring district)
65 = F

LOCAL CREDIT/NO STATE CREDIT COURSES

The following courses are local credits that do not count toward state graduation requirements or overall grade point average:

- Office aide
- AVID tutor
- SAT prep
- Student government leadership second year and beyond
- Independent Studio (2nd Semester of AP Art)

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WEIGHTED COURSES

Classroom grade averages are reported in the familiar 100-point system on the report card. Grade point averages and class rankings are computed using the Weighted 4.0 scale. This scale is used to weight the grades obtained in courses of varying levels of difficulty (AP, Pre-AP/Dual Credit, and Academic). Students entering high school the fall of 2007 have weighted GPA based on 6.0 for AP, 5.0 for Pre-AP and 4.0 for Academic. Dual credit courses will be weighted on the same grade point scale as Pre-AP courses (5.0).

WEIGHTED 4.0 GRADE POINT SCALE

Grade	Letter	AP	Pre-AP/Dual Credit	Academic
100	A	6.0	5.0	4.0
99	A	5.9	4.9	3.9
98	A	5.8	4.8	3.8
97	A	5.7	4.7	3.7
96	A	5.6	4.6	3.6
95	A	5.5	4.5	3.5
94	A	5.4	4.4	3.4
93	A	5.3	4.3	3.3
92	A	5.2	4.2	3.2
91	A	5.1	4.1	3.1
90	A	5.0	4.0	3.0
89	B	4.9	3.9	2.9
88	B	4.8	3.8	2.8
87	B	4.7	3.7	2.7
86	B	4.6	3.6	2.6
85	B	4.5	3.5	2.5
84	B	4.4	3.4	2.4
83	B	4.3	3.3	2.3
82	B	4.2	3.2	2.2
81	B	4.1	3.1	2.1
80	B	4.0	3.0	2.0
79	C	3.9	2.9	1.9
78	C	3.8	2.8	1.8
77	C	3.7	2.7	1.7
76	C	3.6	2.6	1.6
75	C	3.5	2.5	1.5
74	C	3.4	2.4	1.4
73	C	3.3	2.3	1.3
72	C	3.2	2.2	1.2
71	C	3.1	2.1	1.1
70	C	3.0	2.0	1.0
69	F	0.0	0.0	0.0

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EXTRACURRICULAR PARTICIPATION

UIL participants should be aware of the following:

- A student shall be suspended from participation in any extracurricular activity sponsored or sanctioned by the district or the UIL after a grade evaluation period in which the student received a grade lower than a 70 in any academic class other than those designated courses exempt from “no pass no play”.
- Eligibility requirements for the first six weeks of each academic year's credits are determined by state graduation requirements.
- Beginning the 9th grade: Has been academically promoted to the 9th grade.
- Beginning the 10th grade: Has earned 6 credits toward state graduation.
- Beginning the 11th grade: Has earned 12 credits or a total of 5 credits in the last 12 months.
- Beginning the 12th grade: Has earned 18 credits or a total of 5 credits in the last 12 months.

In sports and activities that have a fall competition, the following criteria must be met by a student to be eligible during the first six weeks of the school year.

- Students are evaluated every three weeks for eligibility status. Loss of eligibility occurs at the end of the first six week's progress report and, thereafter, only at the end of the nine-week grading period. Students can regain eligibility at the end of the six-week period and must be passing ALL courses.
- All students are eligible during Thanksgiving break, winter break and spring break.
- The grace period for eligibility is seven calendar days after evaluation, with the exception of holidays.
- Students lose eligibility from participation in extracurricular activities if, after a grade-evaluation period, the student receives a grade below 70 in any academic class other than an identified honors or advanced class.

“NO PASS NO PLAY” GUIDELINES:

Policy FM (Legal) outlines the advanced courses in MISD that are, in effect, exempt from the “no pass, no play” rule. The advanced courses in MISD and recognized by Texas Education Agency defined as exempt from “no pass, no play” guidelines are:

English Language Arts: AP English Language, AP English Literature, dual credit ENGL 1301 and 1302

Mathematics: AP Calculus AB, AP Calculus BC, AP Statistics, Pre-Calculus, Pre-AP Pre-Calculus, dual credit MATH 1314 and MATH 1325

Science: AP Biology, AP Chemistry, AP Physics 1, AP Physics C, AP Environmental Science and dual credit GEOL 1401 and PHYS 1403

Social Studies: AP World History, AP U.S. History, AP European History, AP Macroeconomics, AP Microeconomics, AP U.S. Government and Politics, AP Psychology, AP Human Geography and dual credit ECON 2301, GOVT 2305, HIST 1301 and 1302

Languages Other Than English: AP Spanish Language, AP Spanish Literature, AP German Language, AP Latin, AP French Language and Languages other than English level IV-VII

Fine Arts: AP Studio Art: 2-Design, AP Studio Art: 3-Design, AP Studio Art: Drawing, AP Music Theory, and AP Art History

Other: AP Computer Science, approved dual credit courses in CTE and other Advanced Placement courses approved by the district

Note:

UIL eligibility is based on semesters of participation and not years in high school.

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NATIONAL COLLEGATE ATHLETIC ASSOCIATION (NCAA)

The National Collegiate Athletic Association (NCAA) is the governing body for college athletics. Students wishing to participate in any college sport must meet eligibility requirements, as defined in the NCAA Clearinghouse www.eligibilitycenter.org. Eligibility requirements depend on the Division and are based on the unweighted GPA in core classes, as compared to SAT/ACT scores.

- **NCAA Divisions I and II require 16 core courses.**
 - **DIVISION I**
 - **16 Core Courses**
 - 4 years of English.
 - 3 years of mathematics (Algebra I or higher).
 - 2 years of natural/physical science (1 year of lab if offered by high school).
 - 1 year of additional English, mathematics or natural/physical science.
 - 2 years of social science.
 - 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).
 - **DIVISION II**
 - **16 Core Courses**
 - 3 years of English.
 - 2 years of mathematics (Algebra I or higher).
 - 2 years of natural/physical science (1 year of lab if offered by high school).
 - 3 years of additional English, mathematics or natural/physical science.
 - 2 years of social science.
 - 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

Beginning August 1, 2016, NCAA Division I will require 10 core courses to be completed **prior to the seventh semester** (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below).

IMPORTANT: Any student seeking to participate in NCAA sports should consult with their school counselor before taking any course on-line, through correspondence, or in any other non-traditional means. The NCAA does not recognize certain types of non-traditional instruction and this can impact student eligibility

TITLE IX

It is the policy of the McKinney ISD not to discriminate on the basis of sex, handicap, race, color or national origin in its educational and vocational programs, activities or employment as required by Title IX, Section 504 and Title VI.

This document serves as a guide. The official document will be the current one posted on the MISD website. Any errors do not supersede local Board and/or state Board policies.

2014-2015 COURSE DESCRIPTIONS

Not all Courses may be offered at all campuses

ENGLISH

Possible career objectives for students with English/Language Arts training: Actor, Advertising Copywriter, Business Administrator, Court Reporter, Editor, Film, Radio and TV, Columnist, Publisher, Writer, Lawyer, Librarian/Media Specialist, Minister, Newscaster, Salesperson, Teacher, Industry/Business Writer, Critic, Blogger, and Politician

<p>ENGLISH I Grade Placement: 9 Course #: 0110 Prerequisite: 8th grade English Credit: 1 unit</p>	<p>ENGLISH I is designed to emphasize the fundamentals of language skills: reading, writing, speaking, listening, viewing, and presenting. Instruction in vocabulary and composition will be an on-going part of this course. This course will include the study of various literary genres: short story, poetry, novel, drama, and nonfiction. Students will work daily to develop critical reading and writing skills in all genres focusing on Expository and Literary writing. Students will read and write on a daily basis.</p>
<p>PRE-AP ENGLISH I Grade Placement: Course#: 0111 Prerequisite: 8th grade English Credit: 1 unit</p>	<p>PRE-AP ENGLISH I is the study of world literature by genre and theme. Extensive writing, reading and independent research projects prepare students for the skills necessary for success in the Advanced Placement English courses. The curriculum incorporates some additional materials but primarily employs higher level thinking skills and problem-solving strategies than the English I curriculum does. Students develop strategies to prepare them for Advanced Placement (AP) courses. Projects form an integral part of the course. <i>Students will be required to read one novel-length piece of literature during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete a written assignment and take an assessment over the summer reading piece within the first 20 days of school.</i></p>
<p>PRE-AP ENGLISH I – HUMANITIES (GT) Grade Placement: 9 Course #: 0119 Prerequisite: Identified GT; 8th grade English Credit: 1 unit</p>	<p>PRE-AP ENGLISH I – HUMANITIES (GT) is designed to prepare students to continue into the AP curriculum and will require a significant amount of individual study time each week. Compositions will focus on proper mechanics and syntax, as well as on development of a thesis, appropriate support, and evidence of critical thinking. The integrated curriculum model used in this course is designed to respond to high ability learners through advanced content and 21st century learning strategies. This curriculum will offer complex learning experiences to meet the needs of verbally gifted students through authentic learning opportunities providing creative production and enhanced engagement. Students will be making connections by focusing on overarching issues, themes, and concepts, which will elevate their understanding of the real world in preparation for college and career readiness. <i>Students will be required to read one novel-length piece of literature during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete a written assignment and take an assessment over the summer reading piece within the first 20 days of school.</i></p>

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<p>ENGLISH II Grade Placement: 10 Course #: 0120 Prerequisite: English I Credit: 1 unit</p>	<p>ENGLISH II is designed to emphasize the fundamentals of language skills: reading, writing, speaking, listening, viewing, and presenting. Instruction in vocabulary and composition will be an on-going part of this course. This course will include the study of various literary genres: short story, poetry, novel, drama, and nonfiction. Students will work daily to develop critical reading and writing skills in all genres focusing on Expository and Persuasive writing. Students will read and write on a daily basis.</p>
<p>PRE-AP ENGLISH II Grade Placement: 10 Course #: 0121 Prerequisite: English I Credit: 1 unit</p>	<p>PRE-AP ENGLISH II is the study of world literature by genre and theme. Extensive writing, reading and independent research projects prepare students for the skills necessary for success in the Advanced Placement English courses. Summer reading is required. <i>Students will be required to read one novel-length piece of literature during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete a written assignment and take an assessment over the summer reading piece within the first 20 days of school.</i></p>
<p>PRE-AP ENGLISH II – HUMANITIES (GT) Grade Placement: 10 Course #: 0129 Prerequisite: identified GT; English I Credit: 1 unit</p>	<p>PRE-AP ENGLISH II – HUMANITIES (GT) is designed to employ advanced reading level literature as a catalyst for high ability students. The integrated curriculum model used in this course is designed to respond to high ability learners through advanced content and 21st century learning strategies. This curriculum will offer complex learning experiences to meet the needs of verbally gifted students through authentic learning opportunities providing creative production and enhanced engagement. Students will be making connections by focusing on overarching issues, themes, and concepts, which will elevate their understanding of the real world in preparation for college and career readiness. This course is intended to prepare students to continue into the AP curriculum and will require a significant amount individual study time each week. Compositions will focus on proper mechanics and syntax, as well as on development of a thesis, appropriate support, and evidence of critical thinking. This course will utilize interdisciplinary connections, higher level thinking processes, and acceleration of content. <i>Students will be required to read one novel-length piece of literature during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete a written assignment and take an assessment over the summer reading piece within the first 20 days of school.</i></p>
<p>ENGLISH III Grade Placement: 11 Course #: 0130 Prerequisite: English II Credit: 1 unit</p>	<p>ENGLISH III is designed to emphasize the fundamentals of language skills: reading, writing, speaking, listening, viewing, and presenting. Students will study American literature by genre and by theme. Instruction in vocabulary and composition will be an on-going part of this course. This course will include the study of various literary genres: short story, poetry, novel, drama, and nonfiction. Students will work daily to develop critical reading and writing skills in all genres focusing on Persuasive and Analytical (Informational and Literary) writing. Students will read and write on a daily basis.</p>
<p>AP ENGLISH LANGUAGE AND COMPOSITION (AP ENGLISH III) Grade Placement: 11 Course #: 0131 Prerequisite: English II Credit: 1 unit</p>	<p>AP ENGLISH LANGUAGE & COMPOSITION (AP ENGLISH III) students will learn to write about a variety of subjects and to demonstrate an awareness of audience and purpose. In addition to the requirements of English III, the course teaches students to read primary and secondary sources carefully, to synthesize material from these texts in their own compositions, and to cite sources. Students also learn to read complex texts</p>

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<p>AP ENGLISH LANGUAGE AND COMPOSITION (AP ENGLISH III) Cont'd</p>	<p>with understanding and to write prose sufficient in richness and complexity to communicate effectively with mature readers. <i>Students will be required to read one novel-length piece of literature during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete a written assignment and take an assessment over the summer reading piece within the first 20 days of school.</i> <u>Students are required to take the Advanced Placement exam.</u></p>
<p>AP ENGLISH LANGUAGE AND COMPOSITION – HUMANITIES (GT) Grade Placement: 11 Course #: 0139 Prerequisite: identified GT; English II Credit: 1 unit</p>	<p>AP ENGLISH LANGUAGE AND COMPOSITION - HUMANITIES (GT) Students will learn to write about a variety of subjects and to demonstrate an awareness of audience and purpose. This course advances students' writing skills, emphasizing analytical and argumentative writing, which form the basis of academic and professional communication. In addition to the requirements of English III, the course teaches students to read primary and secondary sources carefully to synthesize material from these texts in their own compositions, and to cite sources. Students also learn to read complex texts with understanding and to write prose sufficient in richness and complexity to communicate effectively to mature readers. This course will utilize interdisciplinary connections, higher level thinking process, and acceleration of content. <i>Students will be required to read one novel-length piece of literature during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete a written assignment and take an assessment over the summer reading piece within the first 20 days of school.</i> <u>Students are required to take the Advanced Placement exam.</u></p>
<p>ENGLISH IV Grade Placement: 12 Course #: 0140 Prerequisite: English III Credit: 1 unit</p>	<p>ENGLISH IV is designed to emphasize the fundamentals of language skills: reading, writing, speaking, listening, viewing, and presenting. Students will study British literature by genre and by theme. Instruction in vocabulary and composition will be an on-going part of this course. This course will include the study of various literary genres: short story, poetry, novel, drama, and nonfiction. Students will work daily to develop critical reading and writing skills in all genres focusing on Research and Analytical Literary writing. Students will read and write on a daily basis.</p>
<p>AP ENGLISH LITERATURE AND COMPOSITION (AP ENGLISH IV) Grade Placement: 12 Course #: 0142 Prerequisite: English III Credit: 1 unit</p>	<p>AP ENGLISH LITERATURE AND COMPOSITION (AP ENGLISH IV) engages students in the careful reading and critical analysis of imaginative literature. In addition to the requirements of English IV, reading is both wide and deep from several genres and periods—from the 16th to the 21st Centuries. This reading necessarily builds upon the reading done in previous English courses. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Much of the writing in this course involves extended discourse in which students develop an argument or present an analysis at length. <i>Students will be required to read one novel-length piece of literature during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete a written assignment and take an assessment over the summer reading piece within the first 20 days of school.</i> <u>Students are required to take the Advanced Placement exam.</u></p>

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<p>AP ENGLISH LITERATURE AND COMPOSITION – HUMANITIES (GT) Grade Placement: 12 Course #: 0149 Prerequisite: identified GT; English III Credit: 1 unit</p>	<p>AP ENGLISH LITERATURE AND COMPOSITION - HUMANITIES (GT) Students will be engaged in close reading and critical analysis of imaginative literature. In addition to the requirements of English IV, reading is both wide and deep from several genres and periods from the 16th to the 21st centuries. This reading builds upon the reading done in previous English courses. The focal point of this course emphasizes critical reading and the development of analysis and interpretation skills. Through the close reading of selected texts, students deepen their understanding of the way writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work’s structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. <i>Students will be required to read one novel-length piece of literature during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete a written assignment and take an assessment over the summer reading piece within the first 20 days of school.</i> <u>Students are required to take the Advanced Placement exam.</u></p>
<p>COMPOSITION/RHETORIC I (dual credit) Grade Placement: 12 Course #: ENGL 1301 Hours: 3 hours credit at Collin College Prerequisite: counselor approval; Collin College admission Credit: .5 unit</p>	<p>COMPOSITION/RHETORIC I (dual credit) is a college freshman English course with an emphasis on expository writing, development of paragraphs and the whole composition, study of model essays, extensive theme writing, individual conferences, and departmental final exam. Students are expected to write extensively, both in and out of class. Students must stay in the course the entire semester to receive credit. Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This is a dual credit course and upon completion the student can receive 3 hours of college credit for ENGL 1301 Composition/ Rhetoric I.</p>
<p>COMPOSITION/RHETORIC II (dual credit) Grade Placement: 12 Course #: ENGL 1302 Hours: 3 hours credit at Collin College Prerequisite: Composition/Rhetoric I; counselor approval Credit: .5 unit</p>	<p>COMPOSITION/RHETORIC II (dual credit) provides continued development of writing skills and development of critical thinking skills in argumentation, analysis and interpretation of various types of literature, extensive reading and writing, MLA documentation, study of research methods and materials, and preparation of a research paper. Students must stay in the course the entire semester in order to receive credit. Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This is a dual credit course and upon completion the student can receive 3 hours of college credit for ENGL 1302 Composition/ Rhetoric II.</p>

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JOURNALISM

Possible career objectives for students with journalism training: Advertising, Freelance Writer, Mass Communications, Paste-up/Layout, Photography, Public Relations, Teacher, Script Writer, Speech Writer, Government, Business Communication, Broadcasting, Graphic Artist, Lawyer, Designer, Proofreader/Editor, Researcher, Technical Writer, Columnist, Salesperson, Magazines, Consultant, Blogger, and Politician

<p>JOURNALISM I Grade Placement: 9-12 Course #: 0761 Prerequisite: none Credit: 1 unit</p>	<p>JOURNALISM I explores the history and contemporary role of mass print media in the United States. Students in this course will examine the basic features of journalism and journalistic writing, current trends in format and publishing techniques, graphics and design in newspapers, web and magazines and a survey of advertising. This is an advanced writing course and is a prerequisite for newspaper/news magazine/online news and yearbook.</p>
<p>PHOTOJOURNALISM I Grade Placement: 9-12 Course #: 0765 Prerequisite: none Fee required Credit: .5 unit</p>	<p>PHOTOJOURNALISM I emphasizes composition techniques and provides the opportunity to cover newsworthy events using digital SLR cameras and editing software. In addition, students will complete a photojournalism assignment that requires research and organizational skills.</p>
<p>PHOTOJOURNALISM II Grade Placement: 9-12 Course #: 0766 Prerequisite: Photojournalism I Fee required Credit: .5 unit</p>	<p>PHOTOJOURNALISM II further experience in composition and artistic applications. Students will use digital SLR cameras and photo-editing software to enhance photos for both quality and color. Students will develop a portfolio of work that is completed through a self-guided pursuit of interests. Students must be highly motivated and organized to succeed in this class. This class prepares to become photographers for the newspaper/ news magazine and yearbook staffs.</p>
<p>NEWSPAPER/ONLINE NEWS PRODUCTION ADVANCED JOURNALISM I, II, III Grade Placement: 10-12 Course #: I-0762, II-0763, III-0764 Prerequisite: Journalism I or Photojournalism I; application and/or instructor approval Credit: 1 unit</p>	<p>NEWSPAPER/ONLINE NEWS PRODUCTION/ADVANCED JOURNALISM I, II, III offers students practical experience in the elements and processes of producing a student newspaper including current industry standard desktop publishing software. Assignments and deadlines will require attendance at several evening meetings prior to publication deadline. Summer workshop is encouraged and required for editors. With instructor approval, this course may be repeated for credit with a higher level of responsibility.</p>
<p>YEARBOOK PRODUCTION/ ADVANCED JOURNALISM I, II, III Grade Placement: 10-12 Course #: I-0771, II-0772, III-0773 Prerequisite: Journalism I or Photojournalism I; application and /or instructor approval Credit: 1 unit</p>	<p>YEARBOOK PRODUCTION/ADVANCED JOURNALISM I, II, III offers students the opportunity to produce the school yearbook while exploring the elements and processes of magazine-type journalistic production. Proficiency in keyboarding, copy writing and/or photography are imperative. Students must work after school and some weekends to ensure that assignments are completed on time. Students will sell advertisements and are required to attend summer camp. With instructor approval, this course may be repeated for credit with a higher level of responsibility.</p>
<p>EDITORIAL LEADERSHIP Grade Placement: 11-12 Course #: Newspaper-0776; Yearbook 0775 Prerequisite: editorial position for yearbook or newspaper; instructor approval editorial responsibilities Credit: 1 unit</p>	<p>EDITORIAL LEADERSHIP duties are to be carried out during the self-directed class time. Staff manuals are also to be developed as part of a portfolio. Specify yearbook or newspaper on registration form.</p>

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SPEECH

Possible career objectives for students with speech training: Advertising, Freelance Writer, Mass Communications, Public Relations, Teacher, Speech Writer, Government, Business Communications, Broadcasting, Lawyer, Researcher, Salesperson, Consultant, and Politician

PROFESSIONAL COMMUNICATIONS Grade Placement: 9-12 Course #: 0970 Prerequisite: none Credit: .5 unit	PROFESSIONAL COMMUNICATIONS fulfills the graduation requirement for speech and intro course for all endorsements in CTE. Students identify, analyze, develop and evaluate communication skills needed for professional and social success in interpersonal, group and professional interactions and presentations.
DEBATE I Grade Placement: 9-12 Course #: 0786 Prerequisite: instructor approval Credit: 1 unit	DEBATE I provides practical experience in argumentation and Grade debate within individual and team settings. Concepts and skills used to research topics, make decisions and resolve conflicts are explored in depth. Students must be self-motivated and must sign a class contract.
DEBATE II-IV Grade Placement: 10-12 Course #: II-0787; III-0788; IV-0789 Prerequisite: instructor approval Credit: 1 unit	DEBATE II-IV students will prepare for speech competition in debate and speaking events. Attendance at tournaments is required. Students must sign a class contract.

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MATHEMATICS

Possible career objectives for students with adequate mathematics training: Accounting, Actuary, Architect, Banker, Business, Data Processor, Engineer, Financial Analyst, Physicist, Pre-medicine, Science/Social Science Research, Government Agencies, Statistician, Systems Analyst, Teacher, Salesperson, and Investment

Calculators are deemed handheld technology and will be available for student use in the appropriate courses. Since students will need to use these calculators on college entrance examinations, students are encouraged to purchase their own graphing calculators during high school. This will enable students to utilize these calculators for homework, projects and to become familiar with their own calculator. The TI-83 Plus, TI-84 and TI Nspire calculators are the models used at all McKinney high schools. There are other brands available, but parents should make sure that the other brand offers the same features and abilities as the TI-83 Plus/TI-84 since these are the models that will be used to teach students. These calculators are available at many retail stores in the area.

McKinney ISD recommends all students to take 4 years of mathematics, including Algebra II during high school for college readiness.

<p>ALGEBRA I Grade Placement: 9 Course #: 0200 Prerequisite: 8th grade math Credit: 1 unit</p>	<p>ALGEBRA I includes work with functional relationships and problem solving in real situations, including, but not limited to, such skills as table building, coordinate graphing, algebraic analysis, equation writing, equation solving, operations with polynomials, factoring and computation. Students have opportunities to develop logical reasoning by making and justifying generalizations based on experience with fundamental algebraic concepts.</p>
<p>PRE-AP ALGEBRA I Grade Placement: 9 Course #: 0201 Prerequisite: 8th grade math Credit: 1 unit</p>	<p>PRE-AP ALGEBRA I the curriculum provides a more in- depth study of algebraic concepts through higher thinking processes. Students develop strategies to prepare them for future Advanced Placement (AP) courses.</p>
<p>GEOMETRY Grade Placement: 9-10 Course #: 0210 Prerequisite: Algebra I Credit: 1 unit</p>	<p>GEOMETRY connects students to the world outside of school through a variety of applications and settings. Students have opportunities to develop deductive, inductive, creative and critical thinking skills within a framework, which includes plane and solid geometry and studies of other types of geometry. Students also become familiar with the historical development and usefulness of formal mathematical structure.</p>
<p>PRE-AP GEOMETRY Grade Placement: 9-10 Course #: 0213 GT Course #: 0214 Prerequisite: Algebra I Credit: 1 unit</p>	<p>PRE-AP GEOMETRY the curriculum provides a more in-depth study of geometric concepts through higher thinking processes. Students develop strategies to prepare them for future Advanced Placement (AP) courses.</p>
<p>MATHEMATICAL MODELS WITH APPLICATIONS Grade Placement: 10-12 Course #: 0260 Prerequisite: Algebra I Credit: 1 unit</p>	<p>MATHEMATICAL MODELS WITH APPLICATIONS students use algebraic and geometric reasoning. Mathematical methods are used to model and solve applied problems involving personal finance, data, chance, patterns, music, design and science. This class is subject to prerequisite requirements. Please consult your counselor prior to enrolling.</p>
<p>ALGEBRA II Grade Placement: 9-12 Course #: 0203 Prerequisite: Algebra I and Geometry Credit: 1 unit</p>	<p>ALGEBRA II is an advanced math course that continues to build upon Algebra I with extensive work in linear, quadratic, polynomial, rational, exponential and logarithmic functions. Problem solving in real situations is a focus. This course prepares students for advanced math and for college algebra.</p>

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<p>PRE-AP ALGEBRA II Grade Placement: 9-12 Course #: 0205 GT Course #: 0206 Prerequisite: Algebra I and Geometry Credit: 1 unit</p>	<p>PRE-AP ALGEBRA II the curriculum provides a more in-depth study of algebraic concepts through higher thinking processes. Students develop strategies to prepare them for future Advanced Placement (AP) courses.</p>
<p>AP COMPUTER SCIENCE Grade Placement: 10-12 Course #: 0233 Prerequisite: Pre-AP Computer Science or demonstrated proficiency in basic computer literacy knowledge and skills Credit: 1 unit</p>	<p>AP COMPUTER SCIENCE is an advanced level approach to problem solving and analysis using Java. This course is equivalent to at least a first-semester, college-level course in computer science. Additionally, this course will prepare students for the AP Computer Science exam. Students who wish to skip Pre-AP Computer Science and enroll directly into AP Computer Science must demonstrate proficiency in problem solving and programming in entry level Java. Students must pass a proficiency exam or participate in a summer study program to by-pass the Pre-AP Computer Science prerequisite. <i>AP Computer Science will qualify as a fourth- year math credit for a student who earned Algebra II credit prior to taking AP Computer Science.</i> <u>Students are required to take the Advanced Placement exam.</u></p>
<p>ENGINEERING MATHEMATICS Grade Level: 10-12 Course #: 0727 Prerequisite: Algebra II Credit: 1 unit</p>	<p>ENGINEERING MATHEMATICS is a course where students solve and model robotic design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming. <i>This course will count as a 4th year math.</i></p>
<p>FOUNDATIONS FOR COLLEGE MATHEMATICS Grade Placement: 11-12 Course #: 0207 Prerequisite: Geometry and Algebra II Credit: 1 unit</p>	<p>FOUNDATIONS FOR COLLEGE MATHEMATICS is for students who have completed Algebra II but who need to strengthen their algebra skills before taking Pre-Calculus or college mathematics courses. Students will extend their mathematical understanding of functions beyond the Algebra II level in a study of systems of equations and inequalities, analysis of various types of functions and their behaviors, exponentials and logarithms, and elementary trigonometry. A graphing calculator will be used extensively in class. High-school credit only, not a college course.</p>
<p>PRE-CALCULUS Grade Placement: 10-12 Course #: 0218 Prerequisite: Geometry and Algebra II Credit: 1 unit</p>	<p>PRE-CALCULUS is a detailed study of linear, quadratic, polynomial, rational, exponential, logarithmic and trigonometric functions. Also studied are conic sections, vectors, parametric equations and sequences and series. This course will prepare students for college-level courses.</p>
<p>PRE-AP PRE-CALCULUS Grade Placement: 10-12 Course #: 0219 GT Course #: 0217 Prerequisite: Geometry and Algebra II Credit: 1 unit</p>	<p>PRE-AP PRE-CALCULUS follows that of Pre-Calculus but includes the additional studies of power functions, parametric equations, applications of vectors, and a more in-depth study of the Pre-Calculus topics and their applications and extensions. Analysis of problem situations by graphical means will be emphasized.</p>
<p>AP STATISTICS Grade Placement: 11-12 Course #: 0250 GT Course #: 0251 Prerequisite: Geometry and Algebra II Credit: 1 unit</p>	<p>AP STATISTICS is a rigorous College-Board defined course that introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Statistical methods and measurements are developed in the context of applications. <u>Students are required to take the Advanced Placement exam.</u></p>

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<p>AP CALCULUS AB Grade Placement: 11-12 Course #: 0220 GT Course #: 0221 Prerequisite: Pre-Calculus (Pre-AP Pre-Calculus preferred). Credit: 1 unit</p>	<p>AP CALCULUS AB is a rigorous College-Board defined course. The course includes a study of limits, differentiation, integration and application. Students are expected to have a firm understanding of all functions and their graphs from prior courses, as well as a firm understanding of algebraic, geometric and trigonometric skills. <u>Students are required to take the Advanced Placement exam.</u></p>
<p>AP CALCULUS BC Grade Placement: 11-12 Course #: 0223 GT Course #: 0224 Prerequisite: Pre-Calculus (Pre-AP Pre-Calculus preferred) Credit: 1 unit</p>	<p>AP CALCULUS BC is a rigorous College-Board defined course in the calculus of functions. The course includes a study of all topics covered in AP Calculus AB with in-depth extensions. Additional topics to be studied include parametric, polar and vector functions, and polynomial approximations and series. Students are expected to have a complete understanding of all functions and their graphs from prior courses, as well as a complete understanding of algebraic, geometric and trigonometric skills. Students are required to take the Advanced Placement exam. Note: <i>Students who previously completed AP Calculus AB will, in the first semester of AP Calculus BC, repeat content covered in AP Calculus AB.</i> <u>Students are required to take the Advanced Placement exam.</u></p>
<p>COLLEGE ALGEBRA (dual credit) Grade Placement: 12 Course #: MATH 1314 Hours: 3 hours credit at Collin College Prerequisite: Algebra 2, counselor approval Credit: .5 unit</p>	<p>COLLEGE ALGEBRA meets at Collin College for one semester. The course is a study of relations and functions including polynomial, rational, exponential, logarithmic and special functions. Other topics include complex numbers, systems of equations and inequalities, theory of equations, progressions, the binomial theorem, proof and applications. Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This is a dual credit course and upon completion, the student can receive 3 hours of college credit for MATH 1314 College Algebra.</p>
<p>CALCULUS FOR BUSINESS AND ECONOMICS I (dual credit) Grade Placement: 12 Course #: MATH 1325 Prerequisite: Pre-Calculus or Pre-AP Pre-Calculus, counselor approval Credit: .5 unit</p>	<p>CALCULUS FOR BUSINESS AND ECONOMICS I provides an introductory study of the business applications of calculus. Topics include limits, rates of change, differentiation, graphing and optimization, integration and selected applications of calculus, business. Although this course does not have a corresponding AP exam, it is an advanced math course comparable to a college course in business calculus. Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This is a dual credit course and upon completion the student can receive 3 hours of college credit for MATH 1325.</p>

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SCIENCE

Possible career objectives for students with adequate science training: Biologist, Geologist, Medical Professions, Mining, Museum Curator, Public Health, Environmental Protection, Game Management, Lab Technician, Industrial Chemist, Microbiologist, Physicist, Forestry, Park Services, Research, Teacher, Agriculture, Zoo/Marine Biologist, Pharmacist, Forensic Science, Medical Technician, Engineering, and Meteorologist

McKinney ISD recommends all students to take 4 years science, including Biology, Chemistry and Physics during high school for college readiness.

<p>BIOLOGY Grade Placement: 9 Course #: 0310 Prerequisite: none Credit: 1 unit</p>	<p>BIOLOGY is the study of living things. It provides the student with opportunities for acquiring basic skills, techniques and knowledge necessary to help understand today's biological issues. Areas of emphasis include microbiology, ecology, cell structure, molecular biology, genetics, and bioengineering including a general survey of organisms from bacteria to plants and animals.</p>
<p>PRE-AP BIOLOGY Grade Placement: 9 Course #: 0311 GT Course #: 0319 Prerequisite: none Credit: 1 unit</p>	<p>PRE-AP BIOLOGY covers the same topics as Biology but with more depth to prepare students for AP Biology or a college-level biology course. Higher-level thinking skills and problem-solving strategies will be used not only with course topics but also with tests, labs, projects, and other assignments. Students will use scientific method to design experiments, analyze data and draw conclusions while conducting lab investigations. These skills will prepare students for the rigorous labs in AP/college science courses.</p>
<p>AP BIOLOGY Grade Placement: 9-12 Course #: 0312 GT Course #: 0314 Credit: 1.5 units</p>	<p>AP BIOLOGY is an advanced biology course designed to be the equivalent of a two-semester college introductory biology course. Students using this curriculum framework as its foundation will also develop advanced inquiry and reasoning skills, such as designing a plan for collecting and analyzing data, applying mathematical routines, and connecting concepts in and across domains. The revised AP® Biology course focuses on the following four key concepts and related content:</p> <ul style="list-style-type: none"> • Big Idea 1: The process of evolution drives the diversity and unity of life. • Big Idea 2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis. • Big Idea 3: Living systems store, retrieve, transmit, and respond to information essential to life processes. • Big Idea 4: Biological systems interact and these systems and their interactions possess complex properties. <p><u>Labs will be embedded in the course. Students will take the Advanced Placement exam.</u></p> <p>NOTE: A 9th grade student is allowed to take this course. Any 9th grade student enrolled in AP Biology will be given an opportunity to attend the AP Biology Enrichment Summer Camp during June of 2014. See counselor for details.</p>
<p>INTEGRATED PHYSICS AND CHEMISTRY Grade Placement: 9-10 Course #: 0300 Prerequisite: none Credit: 1 unit</p>	<p>INTEGRATED PHYSICS AND CHEMISTRY students conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical-thinking and scientific problem-solving. This course covers the following topics: motion, waves, energy transformations, properties of matter, changes in matter and basic principles of chemistry. This course must be taken prior to chemistry and physics, please consult your counselor for details.</p>

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<p>CHEMISTRY Grade Placement: 10-11 Course #: 0320 Prerequisite: Biology, Algebra I Credit: 1 unit</p>	<p>CHEMISTRY students conduct laboratory investigations and fieldwork. Students use scientific methods during investigations and make informed decisions using critical thinking and problem solving. Students study a variety of topics: matter, energy, atomic structure, the periodic table, gases, bonding, nuclear fusion, solutions, acids and bases, chemical and physical changes and chemical reaction. Student study chemistry as a part of life and how it relates to other processes.</p>
<p>PRE-AP CHEMISTRY Grade Placement: 10-11 Course #: 0321 GT Course #: 0329 Prerequisite: Biology, Algebra I Credit: 1 unit</p>	<p>PRE-AP CHEMISTRY students conduct laboratory and fieldwork investigations using scientific methods to make informed decisions. Mathematical applications are stressed. Students study various topics: structure of matter, energy changes, reaction types, atomic structure, acids, bases and salts, chemical and physical changes, gas laws, solutions, bonding, kinetics and equilibrium. Teaching strategies prepare students for AP Chemistry.</p>
<p>AP CHEMISTRY Grade Placement: 10-12 Course #: 0322 GT Course #: 0324 Prerequisite: Recommendation Algebra II or higher Credit: 1.5 units</p>	<p>AP CHEMISTRY The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. The course contributes to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic.</p> <p>The college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory.</p> <p>Time Allocations Developing the requisite intellectual and laboratory skills required of an AP Chemistry student demands that adequate classroom and laboratory time be scheduled. The College Board recognizes that time devoted to class and laboratory demonstrations should not be counted as part of the laboratory period and recommends that students in an AP Chemistry course should spend at least five hours a week in individual study outside of the classroom. <i>Labs will be embedded in the course.</i> <u>Students will take the Advanced Placement exam.</u></p>
<p>PHYSICS Grade Placement: 11 Course #: 0340 Prerequisite: 2 units of Science including Biology and Chemistry, Algebra II or concurrently enrolled in Algebra II Credit: 1 unit</p>	<p>PHYSICS students study a variety of topics that include the laws of motion, changes within physical systems, conservation of energy and momentum, force, thermodynamics, characteristics and behavior of waves and quantum physics. This course provides students with conceptual framework, factual knowledge and analytical and scientific skills.</p>
<p>AP PHYSICS 1 Grade Placement: 11 Course #: TBD: GT Course #: TBD Prerequisite: Geometry Concurrently enrolled in: Algebra II or Pre-Calculus Credit: 1.5 units</p>	<p>AP PHYSICS 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through learning, students will develop scientific critical thinking and reasoning skills. Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress.</p> <p><i>Labs will be embedded in the course.</i> <u>Students will take the Advanced Placement exam.</u></p>

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<p>AP PHYSICS C: MECHANICS, ELECTRICITY AND MAGNETISM Grade Placement: 12 Course #: 0342 GT Course #: 0343 Prerequisite: Physics and AP Calculus or concurrent enrollment in AP Calculus Credit: 1.5 units</p>	<p>AP PHYSICS C: MECHANICS, ELECTRICITY AND MAGNETISM is an in-depth study of mechanics, electricity and magnetism. Methods of calculus are used, where appropriate, in formulating physical principles and applying them to problems. This course forms the first part of the college sequence that serves as the physics foundation for students majoring in the physical sciences or engineering.</p> <p>Each Physics C course includes a hands-on laboratory component comparable to a semester-long introductory college-level physics laboratory. Students should spend a minimum 20 percent of instructional time engaged in hands-on laboratory work. Each student should complete a lab notebook or portfolio of lab reports. This course is designed to prepare students for both the Physics C (Mechanics) and Physics C (Electricity and Magnetism) AP exams. This course will satisfy the required fourth year of science. <i>Labs will be embedded in the course. Students will take the Advanced Placement exam.</i></p>
<p>PRINCIPLES OF TECHNOLOGY Grade Placement: 11 Course #: 0781 A/B Prerequisite: 2 units of Science including Biology and Chemistry, recommended Algebra II or concurrently enrolled in Algebra II Credit: 1 unit</p>	<p>PRINCIPLES OF TECHNOLOGY in which students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices. <i>This course can count as a physics credit for graduation. This class is offered at MBHS only. Students are responsible for their own transportation.</i></p>
<p>ADVANCED ANIMAL SCIENCE Grade Level: 12 Course #: 0732 Prerequisite: Biology, Chemistry, & Physics Credit: 1 unit</p>	<p>ADVANCED ANIMAL SCIENCE prepares for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. <i>This course will count as a 4th year science.</i></p>
<p>ANATOMY AND PHYSIOLOGY Grade Placement: 11-12 Course #: 0947 Prerequisite: Biology, Chemistry and Physics or concurrently enrolled in physics Credit: 1 unit</p>	<p>ANATOMY AND PHYSIOLOGY extends understanding of the structure and function of the human body. Students will explore physiological systems and associated pathologies. Higher-order thinking is stressed through assessment and synthesis of the anatomical knowledge combined with exposure to clinical analysis and dissections. <i>This course will count as a 4th year science.</i></p>
<p>AP ENVIRONMENTAL SCIENCE Grade Placement: 11-12 Course #: 0352 GT Course #: 0353 Prerequisite: Biology, Chemistry, Physics may be taken concurrently Credit: 1.5 units</p>	<p>AP ENVIRONMENTAL SCIENCE The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.</p>

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<p>AP ENVIRONMENTAL SCIENCE Cont'd.</p>	<p>Laboratory and Field Investigation The AP Environmental Science course includes a strong laboratory and field investigation component. The goal of this component is to complement the classroom portion of the course by allowing students to learn about the environment through firsthand observation. Experiences both in the laboratory and in the field provide students with important opportunities to test concepts and principles that are introduced in the classroom, explore specific problems with a depth not easily achieved otherwise, and gain an awareness of the importance of confounding variables that exist in the “real world.” <i>Labs will be embedded in the course. Students will take the Advanced Placement exam.</i></p>
<p>ASTRONOMY Grade Placement: 12 Course #: 0355 Prerequisite: Biology, Chemistry and Physics Credit: 1 unit</p>	<p>ASTRONOMY students study the following topics: methods of observation, surveying the sky, motion of the earth and planets, ancient astronomy, light and telescopes, the solar system, stellar life cycles, galaxies, cosmology, and space exploration. An emphasis is placed on mathematical calculations. Nighttime and/or morning observations will be required at least once each quarter. This course will satisfy the required fourth year of science. <i>This course will count as a 4th year science.</i></p>
<p>ENVIRONMENTAL SYSTEMS Grade Placement: 12 Course #: 0351 Prerequisite: Biology, Chemistry and Physics Credit: 1 unit</p>	<p>ENVIRONMENTAL SYSTEMS students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems and changes in environments. <i>This course will count as a 4th year science.</i></p>
<p>EARTH AND SPACE SCIENCE (dual credit) Grade Placement: 12 Course #: GEOL 1401 and PHYS 1403 Hours: 8 hours credit at Collin College Prerequisite: Biology, Chemistry and Physics, counselor approval Credit: 1 unit</p>	<p>EARTH AND SPACE SCIENCE is a capstone course designed to build on prior scientific and academic knowledge and skills to develop understanding of Earth’s system in space and time. An Earth- systems approach is used to investigate and study the themes of Earth in space and time, solid Earth and fluid Earth. Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This is a dual credit course and upon completion, the student can receive 8 hours of college credit for GEOL 1401 Earth Science and PHYS 1403 Stars and Galaxies. <i>This course meets at Collin College.</i></p>
<p>FORENSIC SCIENCE Grade Level: 12 Course #: 0730 Prerequisite: Biology, Chemistry, & Physics or concurrent enrollment in Physics Credit: 1 unit</p>	<p>FORENSIC SCIENCE is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. <i>This course will count as a 4th year science.</i></p>

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SOCIAL STUDIES

Possible career objectives for students with adequate social studies training: Anthropologist, Archivist, Armed Forces, Journalist, Foreign Service, Government Service, Historian, Writer, Psychologist, Sociologist, Archaeologist, Curator, Economic Advisor, Law Enforcement, Cartographer, Intelligence, Teacher, Politician/Political Analyst, Social Worker, and Welfare Programs

<p>WORLD GEOGRAPHY Grade Placement: 9 Course #: 0400 Prerequisite: none Credit: 1 unit</p>	<p>WORLD GEOGRAPHY students will use problem-solving and critical-thinking skills to study the following topics: people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography; the influence of geography on events of the past and present with emphasis on contemporary issues; the physical processes that shape patterns in the physical environment; how location affects economic activities in different economic systems; the processes that influence political divisions of the planet; how different points of view affect the development of public policies; how components of culture shape the characteristics of regions; and the impact of technology and human modifications on the physical environment.</p>
<p>PRE-AP WORLD GEOGRAPHY Grade Placement: 9 Course #: 0401 Prerequisite: none Credit: 1 unit</p>	<p>PRE-AP WORLD GEOGRAPHY students will use problem-solving, decision-making, and higher-order thinking skills to study the following topics: people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography; the influence of geography on events of the past and present with emphasis on contemporary issues; the physical processes that shape patterns in the physical environment; how location affects economic activities in different economic systems; the processes that influence political divisions of the planet; how different points of view affect the development of public policies; how components of culture shape the characteristics of regions; and the impact of technology and human modifications on the physical environment. Extensive outside preparation for class is required. <i>Students will be required to read one subject specific book during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete a written assignment and/or take an assessment over the summer reading piece within the first 20 days of school.</i></p>
<p>PRE-AP WORLD GEOGRAPHY HUMANITIES (GT) Grade Placement: 9 Course #: 0409 Prerequisite: identified GT Recommended Co requisite: Pre-AP English I - Humanities (GT) Credit: 1 unit</p>	<p>PRE-AP WORLD GEOGRAPHY HUMANITIES (GT) is an introduction to the nature of geography. Analysis of physical characteristics and natural resources of various regions of the Earth will be made with respect to the economic, social, and cultural impact on the environment and resources. Emphasis is placed on higher-order thinking skills. Extensive outside preparation for class is required. <i>Students will be required to read one subject specific book during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete either a written assignment and/or take an assessment over the summer reading piece within the first 20 days of school.</i></p>

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<p>WORLD HISTORY Grade Placement: 10 Course #: 0410 Prerequisite: World Geography Credit: 1 unit</p>	<p>WORLD HISTORY is a survey of the history of humankind with a major emphasis is on the study of significant people, events, and issues from 8000BC to the present. Students will use the process of historical inquiry to research, interpret, and use multiple sources of evidence to study the following topics: the causes and effects of political and economic imperialism and of major political revolutions since the 17th century; the impact of geographic factors on major historic events; the historic origins of contemporary economic systems; the evolution of constitutional governments and the influence of historic documents; the historical development of important legal and political concepts; the history and impact of major religious and philosophical traditions; and the connections between major developments in science and technology and the growth of industrial economies.</p>
<p>AP WORLD HISTORY Grade Placement: 10 Course #: 0411 Prerequisite: World Geography Credit: 1 unit</p>	<p>AP WORLD HISTORY is structured around the investigation of five course themes and 19 key concepts in six different chronological periods, from approximately 8000 B.C.E. to the present. The key concepts support the investigation of historical developments within a chronological framework. The course themes allow students to make crucial connections across the six historical periods and across geographical regions. Students will use critical thinking, organizational, independent reading and writing skills throughout this course. Extensive outside preparation for class is required. <i>Students will be required to read one subject specific book during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete either a written assignment and/or take an assessment over the summer reading piece within the first 20 days of school.</i> Students will take the Advanced Placement exam.</p>
<p>AP WORLD HISTORY HUMANITIES (GT) Grade Placement: 10 Course #: 0412 Prerequisite: World Geography Recommended Co requisite: Pre-AP English II - Humanities (GT) Credit: 1 unit</p>	<p>AP WORLD HISTORY HUMANITIES (GT) focuses on historical precedence for modern, current events and refines academic skills such as writing, research and the ability to analyze evidence. AP World History places emphasis upon understandings equivalent to those gained in a college-level introductory course. The emphasis is on the general narrative of world history from approximately 700 to 2000, that is, from the emergence of Islam to the near present. This course will focus on text, as well as primary source documents from this time period and includes an examination of the political and diplomatic, intellectual and cultural and socio-economic history of the world. <i>Students will be required to read one subject specific book during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete either a written assignment and/or take an assessment over the summer reading piece within the first 20 days of school.</i> Students are required to take the <u>Advanced Placement exam.</u></p>
<p>UNITED STATES HISTORY Grade Placement: 11 Course #: 0420 Prerequisite: World History Credit: 1 unit</p>	<p>UNITED STATES HISTORY is the study of United States History from 1877 to the present. This course is the second part of a two-year study that begins in Grade 8, where students study the history of the United States through 1877. Students will use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context to study the following topics: the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights; the impact of geographic factors on major events and eras; the impact of constitutional issues on American society; the dynamic relationship of the three branches</p>

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<p>UNITED STATES HISTORY Cont'd.</p>	<p>of the federal government and the efforts to expand the democratic process; the relationship between the arts and popular culture and the times during which they were created; and the impact of technological innovations on American life.</p>
<p>AP UNITED STATES HISTORY Grade Placement: 11-12 Course #: 0421 GT Course #: 0429 Prerequisite: World History Credit: 1 unit</p>	<p>AP UNITED STATES HISTORY is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. Students will learn to assess historical materials and their relevance to a given interpretive problem. Students will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students will use critical thinking, organizational, independent reading and writing skills throughout this course. Extensive outside preparation for class is required <i>Students will be required to read one subject specific book during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete either a written assignment and/or take an assessment over the summer reading piece within the first 20 days of school. Students will take the Advanced Placement exam.</i></p>
<p>UNITED STATES GOVERNMENT Grade Placement: 12 Course #: 0430 Prerequisite: U.S. History Credit: .5 unit</p>	<p>UNITED STATES GOVERNMENT focuses on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. This course is the culmination of the civic and governmental content and concepts studied from Kindergarten through required secondary courses. Students will study the following topics: the major political ideas and forms of government in history; the U.S. Constitution and its underlying principles and ideas; the role of government in the U.S. free enterprise system; the impact of individuals, political parties, interest groups, and the media on the American political system; the importance of voluntary individual participation in a constitutional republic; the rights guaranteed by the U.S. Constitution; and the relationship between governmental policies and the culture of the United States.</p>
<p>AP UNITED STATES GOVERNMENT AND POLITICS Grade Placement: 12 Course #: 0431 GT Course #: 0439 Prerequisite: U.S. History Credit: .5 unit</p>	<p>AP UNITED STATES GOVERNMENT AND POLITICS will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples and requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will use critical thinking, organizational, independent reading and writing skills throughout this course. Extensive outside preparation for class is required <i>Students will be required to read one subject specific book during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete either a written assignment and/or take an assessment over the summer reading piece within the first 20 days of school. Students will take the Advanced Placement exam.</i></p>

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<p>ECONOMICS Grade Placement: 12 Course #: 0440 Prerequisite: U.S. History Credit: .5 unit</p>	<p>ECONOMICS is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. Students will apply critical-thinking skills using economic concepts to evaluate the costs and benefits of economic issues through the study of the following topics: basic principles of production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world; the interaction of supply, demand, and price; the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy; the roles of the Federal Reserve System and other financial institutions; government, and businesses in a free enterprise system; the types of business ownership and market structures; and personal financial literacy.</p>
<p>AP MACROECONOMICS Grade Placement: 12 Course #: 0441 GT Course#: 0449 Prerequisite: U.S. History Credit: .5 unit</p>	<p>AP MACROECONOMICS gives students a thorough understanding of the principles of economics that apply to an economic system as a whole with an emphasis on the study of national income and price-level determination. This course develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Some microeconomic concepts will be covered to ensure a broad understanding of basic economic principles. <i>Students may be required to read one subject specific book during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. If a summer reading is required, students will also be required to complete either a written assignment and/or take an assessment over the summer reading piece within the first 20 days of school.</i> Students will take the Advanced Placement exam.</p>
<p>AP EUROPEAN HISTORY Grade Placement: 11-12 Course #: 0425 Prerequisite: U.S. History Credit: 1 unit</p>	<p>AP EUROPEAN HISTORY provides the student with a basic knowledge of history in Europe from 1450 to the present. Three basic themes covered are intellectual and cultural history, political and diplomatic history and social and economic history. Students research and analyze historical evidence and write essays. <i>This elective course will NOT satisfy the social studies requirements for graduation. Students will be required to read one subject specific book during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website and campus website. Additionally, students will be required to complete either a written assignment and/or take an assessment over the summer reading piece within the first 20 days of school.</i> Students are required to take the Advanced Placement exam.</p>
<p>AP HUMAN GEOGRAPHY Grade Placement: 10*-12 Course #: 0426 Prerequisite: U.S. History (or concurrent enrollment in U.S. History); *Grade 10 must be concurrently enrolled in AP World History Credit: 1 unit</p>	<p>AP HUMAN GEOGRAPHY introduces students to the systematic study of patterns and process that have shaped human understanding, use and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students also learn about the methods and tools geographers use in their science and practice. Particular topics studied course include, but are not limited to: analysis of maps and spatial data; interpretation and understanding of political, economic, and cultural relationships; recognition and interpretation of scales, patterns, and process; evaluation of the regionalization process, and analysis of changes and interconnections among places. <i>This course will not exempt students from taking World Geography when entering their ninth-grade year in MISD. Students will be required to read one subject specific book during the summer prior to the first day of instruction. Required reading lists will be posted on the MISD website</i></p>

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<p>AP HUMAN GEOGRAPHY Cont'd.</p>	<p><i>and campus website. Additionally, students will be required to complete either a written assignment and/or take an assessment over the summer reading piece within the first 20 days of school. <u>Students are required to take the Advanced Placement exam.</u></i></p>
<p>U.S. HISTORY I (dual credit) Grade Placement: 11 Course #: HIST 1301 & Hist 1302 Hours: 3 hours credit at Collin College Prerequisite: counselor approval and Collin College admission Credit: .5 unit</p>	<p>U.S. HISTORY I focuses on development of American characteristics and institutions, including the forging of a new society from European, African and American cultures. Emphasis is on colonial and early national periods through the Civil War and Reconstruction. Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This is a dual credit course and upon completion the student can receive 3 hours of college credit for HIST 1301 U.S. History I.</p>
<p>PRINCIPLES OF MACROECONOMICS (dual credit) Grade Placement: 12 Course #: ECON 2301 Hours: 3 hours credit at Collin College Prerequisite: counselor approval and Collin College admission Credit: .5 unit</p>	<p>PRINCIPLES OF MACROECONOMICS covers the following concepts: decision-making in the public sector; economic analysis of inflation, unemployment, and economic growth; national income measurements; money and banking; monetary and fiscal policy; competing economic theories and international economics. Students must stay in the course the entire semester in order to receive credit. Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This is a dual credit course and upon completion the student can receive 3 hours of college credit for ECON 2301 Principles of Macroeconomics.</p>
<p>AMERICAN GOVERNMENT (dual credit) Grade Placement: 12 Course #: GOVT 2305 Hours: 3 hours credit at Collin College Prerequisite: counselor approval and Collin College admission Credit: .5 unit</p>	<p>AMERICAN GOVERNMENT is an introduction to politics and government in the United States and includes the origin and development of constitutional democracy in the United States, States, federalism and intergovernmental relations, local government and the political process. Students must stay in the course the entire semester in order to receive credit. Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This is a dual credit course and upon completion the student can receive 3 hours of college credit for GOVT 2305 American Government II.</p>

GIFTED AND TALENTED

<p>ALPHA INDEPENDENT STUDIES/ MENTORING CLASS Grade Placement: 10-12 Course #: 0901 Prerequisite: identified GT Credit: 1 unit</p>	<p>ALPHA INTERDISCIPLINARY STUDIES/MENTORING (ISM) CLASS is offered to 11th and 12th grade ALPHA students. The class allows GT students an opportunity to explore fields of study outside the offered high-school courses. Students who want to take ISM go through a selection and application process the spring of their 10th grade year. Once approval from the ISM Committee, students select topics of study. The ISM teacher will work with students to find Mentors, if necessary, to help direct the student in the investigation. Students are expected to generate original ideas, participate in extensive research, complete a written analysis of their research, and design original products or innovative performances. The projects are a part of the state GT standards project and have a professional rubric for performance in the areas of process, communications, and project outcome. Students are expected to make formal presentations of their projects before professionals in that field.</p>
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LANGUAGES OTHER THAN ENGLISH

Possible career objectives for students proficient in languages other than English: Airline Personnel, Armed Forces, Foreign Office/Service, Communications, Counseling, Employment Services, Import/Export, Interpreter, Lawyer, Marketing, Minister, Sales Industry, Technical Expert, Anthropologist, Business Caseworker, Construction, Customs, Food Services, International Banking, Law Enforcement, Librarian, Missionary, Publisher, Teacher, and Tour Guide

<p>AMERICAN SIGN LANGUAGE I Grade Placement: 9-12 Course #: 0195 Prerequisite: none Credit: 1 unit</p>	<p>AMERICAN SIGN LANGUAGE I emphasizes all areas of language study: receptive, expressive, comprehension, culture and grammar. Student awareness and appreciation of a new culture and its history are developed. Sentence structure is developed and expounded upon from simple to complex sentence lengths. Students are expected to perform signed projects with each unit covered.</p>
<p>AMERICAN SIGN LANGUAGE II Grade Placement: 10-12 Course #: 0196 Prerequisite: American Sign Language I Credit: 1 unit</p>	<p>AMERICAN SIGN LANGUAGE II reinforces and expands on skills acquired in ASL I. ASL I is used during instruction without voicing weekly. Students present increasingly elaborate narratives that incorporate cultural cues and indicators, as well as demonstrating a command of the unique grammar of the language. Deaf culture and the study of audiology is emphasized.</p>
<p>PRE-AP AMERICAN SIGN LANGUAGE II Grade Placement: 10-12 Course #: 0199 Prerequisite: American Sign Language I Credit: 1 unit</p>	<p>PRE-AP AMERICAN SIGN LANGUAGE II reinforces and expands on skills acquired in ASL I. ASL I is used during instruction without voicing weekly. Students present increasingly elaborate narratives that incorporate cultural cues and indicators, as well as demonstrating a command of the unique grammar of the language. Deaf culture and the study of audiology is emphasized. The course will prepare students for the rigor and successful completion of Pre-AP American Sign Language III. Students intending to graduate with a distinguished diploma should take the Pre-AP track.</p>
<p>PRE-AP AMERICAN SIGN LANGUAGE III Grade Placement: 11-12 Course #: 0197 Prerequisite: American Sign Language II or Pre-AP American Sign Language II Credit: 1 unit</p>	<p>Pre-AP AMERICAN SIGN LANGUAGE III deepens knowledge of ASL grammar and vocabulary on a rigorous level. High expectations are emphasized in reference to voice translation practice, idioms, and improving speed and accuracy with receptive skills. This course is designed to prepare students for working with the deaf and majoring in interpreting, deaf education and more. College-level texts are used to equip and prepare student for future college courses.</p>
<p>CHINESE I Grade Placement: 9-12 Course #: 0150 Prerequisite: none Credit: 1 unit</p>	<p>CHINESE I introduces the Chinese world, its language and its people. The course emphasizes oral skills while developing reading and writing skills. The focus of this course is on novice proficiency. <i>Availability of this class is contingent upon 15 or more students registered to take the course.</i></p>
<p>FRENCH I Grade Placement: 9-12 Course #: 0170 Prerequisite: none Credit: 1 unit</p>	<p>FRENCH I emphasizes listening and reading comprehension while building student confidence in basic conversational and writing skills. Students will acquire these skills as well as an understanding of the culture of many French speaking countries through the use of popular music and other real world applications.</p>
<p>FRENCH II Grade Placement: 10-12 Course #: 0171 Prerequisite: French I Credit: 1 unit</p>	<p>FRENCH II expands the four areas of language study begun in French I. Students will increase their speaking and writing proficiencies through communicative activities.</p>

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<p>PRE-AP FRENCH II Grade Placement: 10-12 Course #: 0174 Prerequisite: French I Credit: 1 unit</p>	<p>PRE-AP FRENCH II expands the four areas of language study begun in French I. Students will increase their speaking and writing proficiencies through communicative activities. The course will prepare students for the rigor and successful completion of pre-AP French III. Students intending to graduate with a distinguished diploma should take the pre-AP track.</p>
<p>PRE-AP FRENCH III Grade Placement: 11-12 Course #: 0172 Prerequisite: French II or PRE-AP French II Credit: 1 unit</p>	<p>PRE-AP FRENCH III This course begins to develop the skills to synthesize information from multiple sources to compose original writings in French with emphasis on French-speaking cultures throughout the world. Students develop increased confidence in conversational and presentational French. Classes are conducted primarily in French.</p>
<p>AP FRENCH IV Grade Placement: 11-12 Course #: 0173 Prerequisite: Pre-AP French III Credit: 1 unit</p>	<p>AP FRENCH IV engages students in an exploration of culture in both contemporary and historical contexts. The course continues to stress the skills acquired in French III: reading, writing, speaking and listening, with special emphasis on reading and writing. This class will provide opportunities for reading prose and poetry, as well as various literary selections. As well, students will be provided the opportunity to expand furthermore their awareness of Francophone culture, history and language. The course strives to promote both fluency and accuracy in language use. The class is conducted in French. <u>Students are required to take the Advance Placement exam.</u></p>
<p>GERMAN I Grade Placement: 9-12 Course #: 0180 Prerequisite: none Credit: 1 unit</p>	<p>GERMAN I is an introduction to the German-speaking world, its language and its people. Emphasis is on the early acquisition of the spoken language while developing listening, reading, speaking and writing skills. Grammar skills are introduced through both oral and written expression. Students develop awareness and appreciation of a different culture and learn about the connections between the German speaking countries and the United States. Cooperative learning will help students to become confident within the language.</p>
<p>GERMAN II Grade Placement: 10-12 Course #: 0181 Prerequisite: German I Credit: 1 unit</p>	<p>GERMAN II is a reinforcement and expansion of the four skills: listening, speaking, reading, and writing. Writing with appropriate grammatical structure is emphasized to increase the range of student's knowledge of the language. Vocabulary is expanded through reading and writing exercises, and conversational practice. Students continue to acquire cultural insights and appreciation of the culture of German speaking countries. Majority of instruction is in German.</p>
<p>PRE-AP GERMAN II Grade Placement: 10-12 Course #: 0182 Prerequisite: German I Credit: 1 unit</p>	<p>PRE-AP GERMAN II is a more rigorous reinforcement and expansion of the four skills: listening, speaking, reading, and writing. Greater emphasis is placed on oral and written communication skills at this level. Vocabulary is expanded through reading and writing exercises, and conversational practice. Students continue to acquire cultural insights and appreciation of the culture of German speaking countries. This course will prepare students for the rigor and successful completion of Pre-AP German III.</p>
<p>PRE-AP GERMAN III Grade Placement: 11-12 Course #: 0183 Prerequisite: German II or PRE-AP German II Credit: 1 unit</p>	<p>PRE-AP GERMAN III emphasize in this course is on vocabulary expansion, grammatical concepts, oral and written skills and a higher degree of fluency in silent reading and expression in oral reading. Students are expected to compose original works in German. Students continue to acquire cultural insights and appreciation of the culture of German speaking countries. Students compare and contrast the culture of German speaking countries and the United States. This course will prepare students for the rigor and successful completion of Pre-AP German III.</p>

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<p>AP GERMAN IV Grade Placement: 11-12 Course #: 0184 Prerequisite: Pre-AP German III Credit: 1 unit</p>	<p>AP GERMAN IV is comprised of six thematic units organized around essential questions and authentic materials: Global Challenges, Families and Communities, Contemporary Life, Beauty and Aesthetics, Science and Technology, Personal and Public Identities. For each unit there are structural foundations the students practice through contextualized activities related to the unit's theme. Each unit develops related vocabulary. The course is conducted almost exclusively in German, and students are encouraged to use German exclusively in class. It will prepare students for the rigor and successful completion of AP German IV and the AP German Language and Culture Exam. <u>Students are required to take the Advanced Placement exam.</u> A score of 3 or above on the College Board Advanced Placement Examination can count for one (1) Advanced Measure on DAP.</p>
<p>LATIN I Grade Placement: 9-12 Course #: 0190 Prerequisite: none Credit: 1 unit</p>	<p>LATIN I serves as an introduction to the world of ancient Rome, its language and its people. Students will begin to study Latin grammar and vocabulary both in order to understand the ancient world through the eyes of its greatest writers, artists and thinkers and to gain a better command of the English language. Students will read Latin prose stories and learn to write and speak in Latin as a foundation for studying Greco-Roman history, culture, and mythology. Students will further develop their English vocabulary through the study of words English gains through Latin.</p>
<p>LATIN II Grade Placement: 10-12 Course #: 0191 Prerequisite: Latin I Credit: 1 unit</p>	<p>LATIN II reinforces and expands on skills acquired in Latin I. Students will continue their study of basic Latin grammar and will continue to develop their vocabulary and reading skills. An introduction to Latin literature will be added to the ongoing study of Greco-Roman history, culture, and mythology. Latin II will also include continuing study of English derivatives and vocabulary building.</p>
<p>PRE-AP LATIN II Grade Placement: 10-12 Course #: 0192 Prerequisite: Latin I Credit: 1 unit</p>	<p>PRE-AP LATIN II reinforces and expands on skills acquired in Latin I while preparing students for Pre-AP Latin III. Students will continue their study of basic Latin grammar and will continue to develop their vocabulary and reading skills through rigorous projects and composition. Students will be introduced to Latin literature and will explore its significance through ongoing study of Greco-Roman history, culture, and mythology. Latin II will also include continuing study of English derivatives and vocabulary building.</p>
<p>PRE-AP LATIN III Grade Placement: 11-12 Course #: 0193 Prerequisite: Latin II or PRE-AP Latin II Credit: 1 unit</p>	<p>PRE-AP LATIN III reviews and deepens the knowledge of Latin grammar by introducing advanced concepts and by building a sophisticated Latin vocabulary through the reading of classical Latin, with emphasis on the works of Republican and Golden Age authors. Students will investigate the role these authors play in Greco-Roman history, culture and mythology. Individually developed student projects on these authors will prepare them for AP Latin.</p>
<p>AP LATIN IV Grade Placement: 12 Course #: 0194 Prerequisite: Pre-AP Latin III Credit: 1 unit</p>	<p>AP LATIN IV is the equivalent to a second-year college Latin course. Latin grammar will be reviewed as encountered in reading, and advanced grammar topics will be further explored. Roman culture, history and mythology will be integrated as required by the AP syllabus. This course is designed to prepare students for the AP Latin exam. Scansion of poetry, figures of speech in Latin poetry and background to the readings will be included, particularly as topics for special projects. <u>Students are required to take the Advanced Placement exam.</u></p>
<p>SPANISH FOR SPANISH SPEAKERS I Grade Placement: 9-12 Course #: 0165 Prerequisite: counselor or instructor approval Credit: 1 unit</p>	<p>SPANISH FOR SPANISH SPEAKERS I offers the native Spanish speaker an opportunity to capitalize on strengths and concentrate on specific needs for improvement in the four communicative skills, especially in the formal use of the language. <i>This is a fall semester course only.</i></p>

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<p>SPANISH FOR SPANISH SPEAKERS II Grade Placement: 9-12 Course #: 0166 Prerequisite: Spanish for Spanish Speakers I Credit: 1 unit</p>	<p>SPANISH FOR SPANISH SPEAKERS II is a continuation of Spanish for Spanish Speakers I. Student will earn credit for two years of language in one year by completing Spanish for Spanish Speakers I and II. <i>This is a spring semester course only.</i></p>
<p>SPANISH I Grade Placement: 9-12 Course #: 0160 Prerequisite: none Credit: 1 unit</p>	<p>SPANISH I is an introductory course for non-native speakers. This course emphasizes four basic language skills: reading, writing, speaking and listening. Grammar and vocabulary skills are introduced, providing a beginning foundation for oral and written communication. Students begin exploring Hispanic culture.</p>
<p>SPANISH II Grade Placement: 9-12 Course #: 0161 Prerequisite: Spanish I Credit: 1 unit</p>	<p>SPANISH II is a reinforcement and expansion of the four skills that were learned in Spanish I: listening, speaking, reading, and writing. Vocabulary is expanded through reading and writing with appropriate grammatical structure to increase the range of students' knowledge. Students are also expected to participate in conversational exercises to increase their level of comprehension. Projects and cooperative learning groups are fundamental elements of this course.</p>
<p>PRE-AP SPANISH II Grade Placement: 9-12 Course #: 0164 Prerequisite: Spanish I Credit: 1 unit</p>	<p>PRE-SP SPANISH II students study the material covered in Spanish II. They will become more proficient in the four language skills with an added emphasis being placed on building confidence in speaking. Projects and cooperative learning groups are utilized to encourage higher order thinking. Majority of instruction is in Spanish.</p>
<p>PRE-AP SPANISH III Grade Placement: 9-12 Course #: 0163 Prerequisite: Spanish II or PRE-AP Spanish II or Spanish Speakers II Credit: 1 unit</p>	<p>PRE-AP SPANISH III students cover the material and meet objectives found in Spanish III with emphasis on learning strategies to prepare for AP Spanish IV. Vocabulary expansion, grammatical concepts, oral and written skills and a degree of fluency in silent reading and expression in oral reading are emphasized. Students acquire cultural insights and an appreciation of Hispanic life. Projects and cooperative learning groups are fundamental elements of this course.</p>
<p>AP SPANISH IV Grade Placement: 9-12 Course #: 0167 Prerequisite: Spanish III, Pre-AP Spanish III, or Spanish for Spanish Speakers I and II with teacher recommendation. Credit: 1 unit</p>	<p>AP SPANISH IV is the equivalent of a 3rd-year college-course, which reinforces and expands the development of the primary language skills in a variety of contexts. This course focuses in communicating and comprehending in both formal and informal settings. Exposure to the practices and products of Spanish and Latin American cultures will be heightened. <i>This class will prepare students for successful completion of the AP Spanish Language and Culture Exam.</i> <u>Students are required to take the Advanced Placement exam.</u></p>
<p>AP SPANISH LITERATURE Grade Placement Recommended: 10-12 Course # 0168 Prerequisite: Successful completion of AP Spanish IV Credit: 1 Unit</p>	<p>AP SPANISH LITERATURE is designed to enhance previous knowledge and understanding of Spanish literature through the study of poetry, plays, novels, short stories, and literary analysis. This course is the equivalent of a college level course. <i>This class will prepare students for successful completion of the AP Spanish Literature Exam.</i> <u>Students are required to take the Advanced Placement exam.</u></p>

TECHNOLOGY APPLICATIONS

<p>PRE-AP COMPUTER SCIENCE Grade Placement: 9-11 Course #: 0231 Prerequisite: Geometry credit or concurrent enrollment in Pre-AP Algebra I, proficiency in basic computer literacy knowledge and skills Credit: 1 unit</p>	<p>PRE-AP COMPUTER SCIENCE is an advanced level approach to Object Oriented Programming (OOP), problem solving and analysis. This course is designed for those students who wish to prepare for AP Computer Science or prepare for entry to a computer science major at the college level. Students will use various software applications as well as the Java programming language throughout the course. The course will focus on an understanding of objected oriented programming and preparation for AP Computer Science to be taken the following year. Students who wish to skip Pre-AP Computer Science and enroll directly into AP Computer Science must demonstrate proficiency in problem solving and programming in entry-level Java.</p>
<p>AP COMPUTER SCIENCE Grade Placement: 10-12 Course #: 0233 Prerequisite: Pre-AP Computer Science or demonstrated proficiency in basic computer literacy knowledge and skills Credit: 1 unit</p>	<p>AP COMPUTER SCIENCE is an advanced level approach to problem solving and analysis using Java. This course is equivalent to at least a first-semester, college-level course in computer science. Additionally, this course will prepare students for the AP Computer Science exam. Students who wish to skip Pre-AP Computer Science and enroll directly in AP Computer Science must demonstrate proficiency in problem solving and programming in entry level Java. Students must pass a proficiency exam or participate in a summer study program to by-pass the Pre-AP Computer Science prerequisite. <i>AP Computer Science will qualify as a fourth year math credit for a student who earned Algebra II credit prior to taking AP Computer Science.</i> <u>Students are required to take the Advanced Placement exam.</u></p>
<p>COMPUTER SCIENCE III: ADVANCED DATA STRUCTURES IN JAVA PROGRAMMING Grade Placement: 11-12 Course #: 0235 Prerequisite: AP Computer Science Credit: 1 unit</p>	<p>COMPUTER SCIENCE III: ADVANCED DATA STRUCTURES IN JAVA PROGRAMMING Students will study advanced data structure programming and problem solving in Java. This course is equivalent to a second semester computer science course at the college level. Additionally, students will practice problem solving algorithms for programming contests as well as other advanced topics not covered by the AP Computer Science course.</p>
<p>COMPUTER SCIENCE IV Grade Placement: 12 Course #: 0236 Credit: 1 unit</p>	<p>COMPUTER SCIENCE IV Students will pursue independent study topics for the purpose of completing a large project each semester. Students must submit a project proposal for the first semester before they are accepted into the course.</p>

CAREER AND TECHNICAL EDUCATION

Current Descriptions Of Career Pathways And Sample 4-Year Graduation Plans For McKinney ISD Can Be Found At <http://www.mckinneyisd.net/departments/curriculum-instruction/cte/> .

Students entering grade 9 in 2014-15 must refer to the “McKinney ISD Guide To Graduating Under House Bill 5” located at http://www.mckinneyisd.net/departments/curriculum-instruction/HB5/Parent_Guide_to_New_Grad_Requirements_Mar20.pdf before selecting endorsement pathways.

AGRICULTURE, FOOD AND NATURAL RESOURCES

Possible careers in agriculture, food and natural resources include:

- Agricultural Financial Planning
- Animal Caretaker
- Vet Technician
- Water Treatment Operations
- Agricultural Communications
- Meats Processing
- Biotechnology
- Farm Management
- Floral Design
- Welding
- Fish Hatchery Manage

Student Organization: Future Farmers of America (FFA)

ANIMAL SYSTEMS – VETERINARY MEDICINE or VETERINARY TECHNICIAN				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) OR <ul style="list-style-type: none"> • Principles of Information Technology 	<ul style="list-style-type: none"> • Principles of Ag, Food & Natural Resources • Medical Terminology • Biology • Professional Communication 	<ul style="list-style-type: none"> • Small Animal Management • Livestock Production • Chemistry • Entrepreneurship 	<ul style="list-style-type: none"> • Veterinarian Medical Application • Physics OR • Principles of Technology OR • Business Information Management OR • Principles of Business Marketing & Finance 	<ul style="list-style-type: none"> • Veterinary Technician Practicum • Advanced Animal Science • Anatomy and Physiology
DESIGN & LANDSCAPE MANAGEMENT				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) OR <ul style="list-style-type: none"> • Principles of Information Technology 	<ul style="list-style-type: none"> • Principles of Ag, Food & Natural Resources • Principles & Elements of Floral Design • Professional Communication 	<ul style="list-style-type: none"> • Principles & Elements of Floral Design OR • Entrepreneurship 	<ul style="list-style-type: none"> • Practicum in Floral Design • Entrepreneurship 	<ul style="list-style-type: none"> • Principles of Business Marketing & Finance OR • Environmental Science

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POWER, STRUCTURE AND TECHNICAL SYSTEMS - WELDING				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • (Concepts of Engineering (Career Portals) <p style="text-align: center; margin: 10px 0;">OR</p> <ul style="list-style-type: none"> • Principles of Information Technology 	<ul style="list-style-type: none"> • Principles of Ag, Food & Natural Resources • Professional Communication 	<ul style="list-style-type: none"> • Agriculture Mechanics & Metal Technologies 	<ul style="list-style-type: none"> • Agriculture Facilities Design & Fabrication • Entrepreneurship 	<ul style="list-style-type: none"> • Practicum in Ag, Food and Natural Resources <p style="text-align: center; margin: 10px 0;">OR</p> <ul style="list-style-type: none"> • Principles of Business Marketing & Finance

<p>PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES Grade Placement: 9-12 Course #: 0905 Prerequisite: none Credit: 1 unit</p>	<p>PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES enhance the agricultural comprehension of young adults. The course includes agricultural career development, leadership, communications and personal finances. This course also includes the overview of soil and plants, animals and agricultural construction.</p>
<p>SMALL ANIMAL MANAGEMENT Grade Placement: 10-12 Course #: 0907 Prerequisite: Principles of Agriculture, Food and Natural Resources Credit: .5 unit</p>	<p>SMALL ANIMAL MANAGEMENT focuses on working in small animal industry, animal rights and welfare and career opportunity in small animal care. This course is required for those who have an interest in the veterinary science field.</p>
<p>LIVESTOCK PRODUCTION Grade Placement: 10-12 Course #: 0906 Prerequisite: Principles of Agriculture, Food and Natural Resources Credit: .5 unit</p>	<p>LIVESTOCK PRODUCTION introduces the common veterinary skills and procedures used on livestock, anatomy of livestock, genetics and reproduction, and diseases that can affect all livestock. This course is required for those who have an interest in the veterinary science field.</p>
<p>VETERINARY MEDICAL APPLICATIONS Grade Placement: 11-12 Course #: 0908 Prerequisite: Principles of Agriculture, Food and Natural Resources, Biology or Chemistry, Small Animal Management, and Livestock Production Credit: 1 unit</p>	<p>VETERINARY MEDICAL APPLICATIONS develops and expands the knowledge and techniques pertaining to Veterinary Technical Assistant area. This course is designed as a laboratory-oriented course that allows students hands-on experience within the area of diagnostic testing, client records, employer/employee relationship and techniques used in surgical practices.</p>
<p>VET TECH PRACTICUM Grade Placement: 12 Course #: 0915 Prerequisite: Veterinary Medical Applications Credit: 2 units</p>	<p>VET TECH PRACTICUM Provides students with a paid or non-paid internship arrangement between the high-school agriscience teacher and Veterinary Medical Industry. It provides seniors with a professional internship experience and earns their TVMA Level I certification if students adhere to internship course guidelines. Students recognize the value of effective work ethics and attitudes and develop communications and problem solving skills. This course is for those individuals who have completed veterinary medical applications, students are required to take the TVMA Veterinary Assistant Level I certification, the testing fee is the student's responsibility. Students are required to complete an internship with licensed Veterinarian in order to take the state Certification test for Veterinary Assistant Level I. <i>Students must be employed in an agriculture-related occupation at least 20 hours per week. Employment must be obtained within the first 10 days of school. It is the student's responsibility to secure and maintain a job. This course is offered at MNHS only. Student must provide their own transportation</i></p>

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<p>ADVANCED ANIMAL SCIENCE Grade Level: 12 Course #: 0732 Prerequisite: Biology, Chemistry, & Physics (Physics can be taken concurrently) Credit: 1 unit</p>	<p>ADVANCED ANIMAL SCIENCE prepares for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. <i>This course will count as a 4th year science.</i></p>
<p>AGRICULTURE MECHANICS & METAL TECHNOLOGIES Grade Placement: 10-12 Course #: 0913 Prerequisite: None Credit: 1 unit</p>	<p>AGRICULTURE MECHANICS & METAL TECHNOLOGIES develops proficiency in many welding skills. Students will be expected to use the cutting torch and MIG welders and weld in several positions, which include flat, horizontal and vertical. The course develops an understanding of tool operation, electrical wiring, plumbing, carpentry and metal working techniques. <i>This course is offered at MHS only. Students must provide their own transportation.</i></p>
<p>AGRICULTURE FACILITIES DESIGN & FABRICATION Grade Level: 10-12 Course#: 0914 Prerequisite: None Credits: 2 units</p>	<p>AGRICULTURE FACILITIES DESIGN & FABRICATION introduces and develops principles of electricity, Geographic Information Systems (GIS), working with concrete, water-management systems, masonry, drywall and roofing materials. <i>This course is offered at MHS only. Students must provide their own transportation.</i></p>
<p>PRACTICUM IN AG, FOOD & NATURAL RESOURCES Grade placement: 11-12 Course# 0778 Prerequisite: Principles of Agriculture, Food and Natural Resources or a minimum of 1 credit with courses offered in the Ag, Food and Natural Resource cluster Credit: 2 units</p>	<p>PRACTICUM IN AG, FOOD & NATURAL RESOURCES is recommended for students in Grades 11-12. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources cluster. <i>Students must be employed in an agriculture-related occupation at least 10 hours per week. Employment must be obtained within the first 10 days of school. It is the student's responsibility to secure and maintain a job. Students must provide their own transportation.</i></p>
<p>PRINCIPLES & ELEMENTS OF FLORAL DESIGN Grade Placement: 9-12 Course #: 0910 Prerequisite: none Credit: 1 unit Fee required</p>	<p>PRINCIPLES & ELEMENTS OF FLORAL DESIGN Exposes students to the basic techniques of floral design. This class is project based with many large and small projects used to evaluate the progress of the student. Hands-on activities involve the students in techniques required in the floral industry. Students have the option of taking the Texas State Floral Association to earn their high school floral certification (TSFA); testing fee is the student's responsibility. <i>This course is offered at MBHS and MNHS only. Students must provide their own transportation. This course satisfies the Fine Arts requirement for graduation.</i></p>
<p>FLORAL DESIGN PRACTICUM Grade Placement: 11-12 Course #: 0900 Prerequisite: Principles and Elements of Floral Design and obtained their TSFA Certification Credit: 2 units</p>	<p>FLORAL DESIGN PRACTICUM is project based with many large and small projects used to evaluate the progress of the student. Hands-on activities involve the students in techniques required in the floral industry. <i>Students must be employed in an agriculture-related occupation at least 10hours per week. Employment must be obtained within the first 10 days of school. It is the student's responsibility to secure and maintain a job. This course is offered at MBHS and MNHS only. Students must provide their own transportation.</i></p>



ARCHITECTURE AND CONSTRUCTION

Possible careers in architecture and construction include:

- Architecture
- Interior Design
- Building Maintenance
- Construction

Student Organization: Skills USA

BUILDING TRADES - CARPENTRY				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) <p>OR</p> <ul style="list-style-type: none"> • Principles of Information Technology 	<p>Principles of Architecture and Construction (1 credit)</p> <ul style="list-style-type: none"> • Blueprint/Plan reading • OSHA Regulations • Construction Law • Productivity Improvement • Understanding of conceptual design • Interior Finishes • Housing Choices • Furniture Selection and housing decorations 	<p>Construction Technologies (1 credit)</p> <ul style="list-style-type: none"> • Rough Carpentry (formwork and framing) • Rebar • Finish Carpentry (doors, windows, trim, cabinetry) • Drywall and Painting (hanging, tape n float, texture, paint and staining) • Roofing • Masonry 	<p>Advanced Construction Technologies (2 credits)</p> <ul style="list-style-type: none"> • HVAC • Electrical • Plumbing • Structural Steel erection and welding 	<p>Advanced Construction Technologies II (Practicum in Construction Management 3 credits)</p> <ul style="list-style-type: none"> • Hands on application of construction processes
SUPERVISION, SAFETY AND QUALITY CONTROL				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) <p>OR</p> <ul style="list-style-type: none"> • Principles of Information Technology 	<p>Principles of Architecture and Construction (1 credit)</p> <ul style="list-style-type: none"> • Blueprint/Plan reading • OSHA Regulations • Construction Law • Productivity Improvement • Understanding of conceptual design • Interior Finishes • Housing Choices • Furniture Selection and housing decorations 	<p>Construction Technologies (1 credit)</p> <ul style="list-style-type: none"> • Rough Carpentry (formwork and framing) • Rebar • Finish Carpentry (doors, windows, trim, cabinetry) • Drywall and Painting (hanging, tape n float, texture, paint and staining) • Roofing • Masonry 	<p>Advanced Construction Technologies (2 credits)</p> <ul style="list-style-type: none"> • HVAC • Electrical • Plumbing • Structural Steel erection and welding 	<p>Practicum in Construction Management - 3 credits)</p> <ul style="list-style-type: none"> • Hands on application of construction management, quality control, and safety processes
HEATING, VENTILATION AND AIR CONDITIONING (HVAC), PLUMBING AND ELECTRICAL				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) <p>OR</p> <ul style="list-style-type: none"> • Principles of Information Technology 	<p>Principles of Architecture and Construction (1 credit)</p> <ul style="list-style-type: none"> • Blueprint/Plan reading • OSHA Regulations • Construction Law • Productivity Improvement • Understanding of conceptual design • Interior Finishes • Housing Choices • Furniture Selection and housing decorations 	<p>Construction Technologies (1 credit)</p> <ul style="list-style-type: none"> • Rough Carpentry (formwork and framing) • Rebar • Finish Carpentry (doors, windows, trim, cabinetry) • Drywall and Painting (hanging, tape n float, texture, paint and staining) • Roofing • Masonry 	<p>Advanced Construction Technologies (2 credits)</p> <ul style="list-style-type: none"> • HVAC • Electrical • Plumbing • Structural Steel erection and welding 	<p>Advanced HVAC, Electrical, and Plumbing Technologies (Practicum in Construction Management - 3 credits)</p> <ul style="list-style-type: none"> • Hands on application of HVAC, electrical, and/or plumbing processes

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STRUCTURAL STEEL				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Principles of Information Technology 	<p>Principles of Architecture and Construction (1 credit)</p> <ul style="list-style-type: none"> • Blueprint/Plan reading • OSHA Regulations • Construction Law • Productivity Improvement • Understanding of conceptual design • Interior Finishes • Housing Choices • Furniture Selection and housing decorations 	<p>Construction Technologies (1 credit)</p> <ul style="list-style-type: none"> • Rough Carpentry (formwork and framing) • Rebar • Finish Carpentry (doors, windows, trim, cabinetry) • Drywall and Painting (hanging, tape n float, texture, paint and staining) • Roofing • Masonry 	<p>Advanced Construction Technologies (2 credits)</p> <ul style="list-style-type: none"> • HVAC • Electrical • Plumbing • Structural Steel erection and welding 	<p>Advanced Welding (Practicum in Construction Management - 3 credits)</p> <ul style="list-style-type: none"> • Hands on application of welding and fabrication processes in construction and manufacturing

ARCHITECTURE AND DESIGN				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Principles of Information Technology 	<p>Principles of Architecture and Construction (1 credit)</p> <ul style="list-style-type: none"> • Blueprint/Plan reading • OSHA Regulations • Construction Law • Productivity Improvement • Understanding of conceptual design • Interior Finishes • Housing Choices • Furniture Selection and housing decorations 	<p>Construction Technologies (1 credit)</p> <ul style="list-style-type: none"> • Rough Carpentry (formwork and framing) • Rebar • Finish Carpentry (doors, windows, trim, cabinetry) • Drywall and Painting (hanging, tape n float, texture, paint and staining) • Roofing • Masonry 	<p>Advanced Construction Technologies (2 credits)</p> <ul style="list-style-type: none"> • HVAC • Electrical • Plumbing • Structural Steel erection and welding 	<p>Architecture & Design (Practicum in Construction Management - 3 credits)</p> <ul style="list-style-type: none"> • Hands on application of construction processes

<p>Principles of Architecture and Construction Grade Placement: 9-12 Course #: 0703 Prerequisite: none Credit: 1 unit</p>	<p>Principles of Architecture and Construction provides an overview to the various fields of architecture, interior design, construction science, and construction technology. Achieving proficiency in decision-making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging; and reading technical drawings.</p>
<p>INTERIOR DESIGN Grade Placement: 10-12 Course #: 0917 Prerequisite: none Credit: .5 unit</p>	<p>INTERIOR DESIGN is a technical course that addresses the needs of individuals by enhancing the environments in which they live and exterior environments, construction and furnishings to make wise consumer decisions, increase productivity and prepare for careers in the interior design field.</p>

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<p>CONSTRUCTION TECHNOLOGY Grade Placement: 10-12 Course #: 0921 Prerequisite: none Credit: 1 unit</p>	<p>CONSTRUCTION TECHNOLOGY will provide students the knowledge and skills specific to those needed to enter the work force as apprentice rough and/or finish carpenters, rebar installers, drywall, painting, roofer, mason, and/or building maintenance technicians or prepare for a postsecondary degree in construction management, architecture, and/or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, formwork, framing, rebar installation, drywall, painting, roofing, and masonry. At the conclusion of this course the student will have the opportunity to take various Industry and/or OSHA certification tests. <i>This course is offered at MHS only. Students must provide their own transportation.</i></p>
<p>ADVANCED CONSTRUCTION TECHNOLOGY Grade Placement: 11-12 Course #: 0922 Prerequisite: Construction Technology Credit: 2 units</p>	<p>ADVANCED CONSTRUCTION TECHNOLOGY will provide students advanced knowledge and skills specific to those needed to enter the work force as an apprentice carpenter, drywall, painter, roofer, mason, rebar installer, structural steel erector, industrial and/or construction welder, building maintenance technicians, or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology and are introduced to HVAC, electrical, plumbing, and Structural steel skillsets. At the conclusion of this course the student will have the opportunity to take various Industry and/or OSHA certification tests. <i>This course is offered at MHS only. Students must provide their own transportation.</i></p>
<p>PRACTICUM IN CONSTRUCTION MANAGEMENT – Building Trades & Carpentry Grade Placement: 12 Course #: 0704 Prerequisite: Advanced Construction Technology Credit: 3 units</p>	<p>Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. This course will provide more of a hands on application of construction processes. <i>This course is offered at MHS only. Students must provide their own transportation.</i></p>
<p>PRACTICUM IN CONSTRUCTION MANAGEMENT – Supervision, Safety & Quality Control Grade Placement: 12 Course #: 0705 Prerequisite: Advanced Construction Technology Credit: 3 units</p>	<p>Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. This class will provide a more hands on application of construction management, quality control, and safety processes. <i>This course is offered at MHS only. Students must provide their own transportation.</i></p>
<p>PRACTICUM IN CONSTRUCTION MANAGEMENT – HVAC, Plumbing, & Electrical Grade Placement: 12 Course #: 0706 Prerequisite: Advanced Construction Technology Credit: 3 units</p>	<p>Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. In Advanced Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology, students gain advanced knowledge and skills specific to those needed to enter the industry as an apprentice HVAC and refrigeration technicians or building maintenance technicians or prepare for a postsecondary degree. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of commercial HVAC equipment, heat pumps, troubleshooting techniques, various duct systems, and maintenance practices. In Advanced Electrical Technology, students gain advanced knowledge and skills specific to those needed to enter the work force as an apprentice electrician or building maintenance technician or prepare for a postsecondary degree in construction. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services, and electric lighting installation. In Advanced Piping and Plumbing Technology, students gain advanced knowledge and skills specific to those needed to enter the industry as an apprentice plumber, pipe</p>

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<p>PRACTICUM IN CONSTRUCTION MANAGEMENT – HVAC, Plumbing, & Electrical Cont'd</p>	<p>fitter, or building maintenance technician or prepare for a postsecondary degree in mechanical engineering. Students acquire knowledge and skills in industrial pipefitting, motorized equipment, oxy-fuel cutting, and water, chemical, steam, compressed air, and oil pipe systems. At times, students will work at the direction of an industry professional. At the conclusion of this course the student will have the opportunity to take various Industry and/or OSHA certification tests. <i>This course is offered at MHS only. Students must provide their own transportation.</i></p>
<p>PRACTICUM IN CONSTRUCTION MANAGEMENT – Structural Steel Grade Placement: 12 Course #: 0707 Prerequisite: Advanced Construction Technology Credit: 3 units</p>	<p>Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. Advanced welding builds on knowledge and skills developed in welding and fabrication (Advanced Construction Technologies) Students will develop advanced welding concepts and skills as it relates to personal and career development. This course integrates academic and technical knowledge and skills. Students will have the opportunity to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. At times, students will work at the direction of an industry professional. At the conclusion of the course students will have the opportunity to test with a CWI to receive a welding certification and have the opportunity to take various Industry and/or OSHA certification tests. <i>This course is offered at MHS only. Students must provide their own transportation.</i></p>
<p>PRACTICUM IN CONSTRUCTION MANAGEMENT – Architecture & Design Grade Placement: 12 Course #: 0708 Prerequisite: Advanced Construction Technology Credit: 3 units</p>	<p>Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. In Advanced Architectural Design, students gain advanced knowledge and skills specific to prepare a foundation toward a postsecondary degree in architecture, engineering, construction science, drafting, and/or interior design. Advanced Architectural design includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for industrial, commercial, or residential purposes. At times, students will work at the direction of industry professionals. At the conclusion of this course the student will have the opportunity to take various Industry and/or OSHA certification tests. <i>This course is offered at MHS only. Students must provide their own transportation.</i></p>

ARTS, A/V TECHNOLOGY AND COMMUNICATION

Possible careers in arts, a/v technology and communication include:

- | | |
|--|---|
| <ul style="list-style-type: none"> • Audio and Video Tech • Journalism • Performing Artist • Printing Technology | <ul style="list-style-type: none"> • Graphic Design • Telecommunications • Fashion Designer • Visual Artist |
|--|---|

GRAPHIC DESIGNER

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech <p>OR</p> <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Professional Communications <p>OR</p> <ul style="list-style-type: none"> • Digital Interactive Media 	<ul style="list-style-type: none"> • Graphic Design and Illustration <p>OR</p> <ul style="list-style-type: none"> • Digital Interactive Media 	<ul style="list-style-type: none"> • Graphic Design and Illustration <p>OR</p> <ul style="list-style-type: none"> • Animation 	<ul style="list-style-type: none"> • Animation <p>OR</p> <ul style="list-style-type: none"> • Audio Video Production

AUDIO VIDEO PRODUCTION – FILM MAKING, JOURNALISM

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech <p>OR</p> <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Professional Communications <p>OR</p> <ul style="list-style-type: none"> • Digital Interactive Media <p>OR</p> <ul style="list-style-type: none"> • Journalism I 	<ul style="list-style-type: none"> • A/V Production <p>OR</p> <ul style="list-style-type: none"> • Digital Interactive Media 	<ul style="list-style-type: none"> • Advanced A/V Production <p>OR</p> <ul style="list-style-type: none"> • A/V Production 	<ul style="list-style-type: none"> • Practicum in A/V Production I <p>OR</p> <ul style="list-style-type: none"> • Practicum in A/V Production II

DIGITAL AND INTERACTIVE MEDIA

Grade Placement: 9-12

Course #: 0959

Prerequisite: none

Credit: 1 unit

DIGITAL AND INTERACTIVE MEDIA gives students the opportunity to analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will prepare students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication and critical-thinking skills and apply them to the information-technology environment.

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<p>GRAPHIC DESIGN AND ILLUSTRATION Grade Placement: 10-12 Course #: 0926 Prerequisite: Digital Interactive Media Credit: 1 unit</p>	<p>GRAPHIC DESIGN AND ILLUSTRATION spans all aspects of the advertising and visual communication industries. In addition to developing knowledge and skills needed for success in the arts, audio/video technology, and communications career cluster, students are expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.</p>
<p>ANIMATION Grade Placement: 11-12 Course #: 0925 Prerequisite: Digital Interactive Media Credit: 1 unit</p>	<p>ANIMATION spans all aspects of motion graphics. In addition to developing technical knowledge and skills needed for success in the arts, audio/video technology, and communications career cluster, students will be expected to develop an understanding of the history and techniques of the animation industry.</p>
<p>AUDIO VIDEO PRODUCTION Grade Placement: 10-12 Course #: 0731 Prerequisite: Digital and Interactive Media, Journalism I or Principles of Arts, A/V Technology & Communication - application and instructor approval Credit: 1 unit</p>	<p>AUDIO VIDEO PRODUCTION produces videos for television and online audiences with students filling roles as reporters, managers or technicians. Students must work after school and some weekends to ensure that assignments are completed on time. Students completing the audio/video production track will be eligible for Adobe Certification exams.</p>
<p>ADVANCED AUDIO VIDEO PRODUCTION Grade Placement: 10-12 Course #: 0711 Prerequisite: application and instructor approval Credit: 2 units</p>	<p>ADVANCED AUDIO VIDEO PRODUCTION students will gain advanced experience in audio and video production as a career and expand skills in production to studio work and online streaming. Students must work after school and some weekends to ensure that assignments are completed on time. Students completing the audio/video production track will be eligible for Adobe Certification exams.</p>
<p>PRACTICUM IN AUDIO VIDEO PRODUCTION Grade Placement: 10-12 Course #: 0712 Prerequisite: application and instructor approval Credit: 2 units</p>	<p>PRACTICUM in AUDIO/VIDEO PRODUCTION students will work in a leadership role in the production of videos for television and online audiences. Those roles include, online managing editor, executive producer, producer, managing editor, social media director and other roles. Students must work after school and some weekends to ensure that assignments are completed on time. Students completing the audio/video production track will be eligible for Adobe Certification exams.</p>

BUSINESS, MARKETING AND FINANCE

Possible careers in BUSINESS MANAGEMENT AND ADMINISTRATION include:

- Office Manager
 - Operations Analyst
 - Financial Manager
 - Human Resources Manager
- Business Executive
 - Marketing Manager
 - Financial Officer
 - Financial Controller
- Small Business Owner
 - Credit Manager
 - Actuary

Possible careers in MARKETING include:

- Sales Manager
 - Store and Distribution Manager
 - Entrepreneur
- Advertising Manager
 - Market Research Analyst
 - Sales Representative
- Exhibit Designer
 - Technical Sales Representative

Possible careers in FINANCE include:

- Financial Manager
 - Financial Officer
 - Stock Broker
 - Auditor
- Accountant
 - Credit Analyst
 - Loan Officer
 - Actuary
- Insurance Broker
 - Financial Controller

Student Organization: Business Professional of America (BPA), DECA, or Future Business Leaders of America

BUSINESS MANAGEMENT AND ADMINISTRATION				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) OR • Principles of Information Technology 	<ul style="list-style-type: none"> • Principles of Business, Marketing & Finance • Money Matters • Professional Communication 	<ul style="list-style-type: none"> • Business Information Management I 	<ul style="list-style-type: none"> • Business Information Management II • Marketing Dynamics 	<ul style="list-style-type: none"> • Practicum in Marketing Dynamics OR • Advertising and Sales Promotion (Dual Credit) Collin College OR • Psychology OR • AP Psychology

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MARKETING, SALES AND SERVICE				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> Principles of Information Technology 	<ul style="list-style-type: none"> • Principles of Business, Marketing & Finance • Money Matters • Professional Communication 	<ul style="list-style-type: none"> • Fashion Marketing <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Sports and Entertainment Marketing • Entrepreneurship 	<ul style="list-style-type: none"> • Marketing Dynamics 	<ul style="list-style-type: none"> • Practicum in Marketing Dynamics <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Advertising and Sales Promotion (Dual Credit) Collin College
FINANCE				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • (Career Portals) Concepts of Engineering <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Principles of Information Technology 	<ul style="list-style-type: none"> • Principles of Business, Marketing & Finance • Money Matters • Professional Communication 	<ul style="list-style-type: none"> • Business Information Management I • Entrepreneurship 	<ul style="list-style-type: none"> • Business Information Management II <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Marketing Dynamics 	<ul style="list-style-type: none"> • Pre-Calculus <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • AP Statistics <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Practicum in Marketing Dynamics

<p>PRINCIPLES OF BUSINESS, MARKETING AND FINANCE Grade Placement: 9-12 Course #: 0927 Prerequisite: none Credit: .5 unit</p>	<p>PRINCIPLES OF BUSINESS, MARKETING AND FINANCE introduces the knowledge and skills of economics and private enterprise systems, impact of global business, marketing of goods and services, advertising and product pricing. Students analyze the sales process and financial management principles.</p>
<p>MONEY MATTERS Grade Placement: 9-12 Course #: 0938 Prerequisite: none Credit: .5 unit</p>	<p>MONEY MATTERS investigates global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students will gain knowledge and skills necessary in achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning and personal financial management.</p>
<p>BUSINESS INFORMATION MANAGEMENT I Grade Placement: 9-12 Course #: 0929 Prerequisite: : None Credit: 1 unit</p>	<p>BUSINESS INFORMATION MANAGEMENT I students implements personal and interpersonal skills to strengthen individual performance in the workplace and in society and make successful transitions to the workforce and post-secondary education. Students will apply technical skills through word processing, spreadsheet, database, and electronic presentation software.</p>
<p>BUSINESS INFORMATION MANAGEMENT II Grade Placement: 10-12 Course #: 0930 Prerequisite: Business Information Management I Credit: 1 unit</p>	<p>BUSINESS INFORMATION MANAGEMENT II students implement personal and interpersonal skills to strengthen individual performance in the workplace and post-secondary education. Students will apply complex technical skills through word processing and spreadsheets and developing electronic presentations using multimedia software.</p>
<p>SPORTS AND ENTERTAINMENT MARKETING Grade Placement: 10-12 Course #: 0973 Prerequisite: Principles of Business, Marketing & Finance Credit: .5 unit</p>	<p>SPORTS AND ENTERTAINMENT MARKETING explores a growing industry that employs athletes, musicians, advertising agents, sports agents and numerous other related professions. The purpose of this course is to provide students with the fundamental principles and concepts identified with these industries and to develop critical-thinking and decision making skills through the application of marketing principles</p>

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<p>ENTREPRENEURSHIP Grade Placement: 10-12 Course #:0743 Prerequisite: Principles of Business, Marketing & Finance Credit: .5 unit</p>	<p>ENTREPRENEURSHIP provides students the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit.</p>
<p>FASHION MARKETING Grade Placement: 10-12 Course #: 0971 Prerequisite: Principles of Business, Marketing & Finance Credit: .5 unit</p>	<p>FASHION MARKETING provides students with knowledge of various business functions in the fashion industry. Students in fashion marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising and career opportunities.</p>
<p>MARKETING DYNAMICS Grade Placement: 11-12 Course #: 0974 Prerequisite: none Credit: 3 units</p>	<p>MARKETING DYNAMICS offers knowledge and skills that help students to be proficient in one or more of the marketing functions. Students will integrate skills from academic subjects, information technology, interpersonal communication and management training to make responsible decisions. Students secure a job for the entire school year, which is evaluated by the classroom instructor and their work supervisor. Problem-solving skills, higher-level thinking, and work-application techniques are enhanced through this class format. Enrichment activities include special projects, guest speakers and field trips. Students get paid for their job and receive classroom credit. <i>Students must be employed in a marketing, sales, or retail-related occupation at least 10 - 15 hours per week. Employment must be obtained within the first 10 days of school. Student must provide his/her own transportation. It is the student's responsibility to secure and maintain a job.</i></p>
<p>PRACTICUM IN MARKETING DYNAMICS Grade Placement: 12 Course #: 0975 Prerequisite: Marketing Dynamics Credit: 2-3 units</p>	<p>PRACTICUM IN MARKETING DYNAMICS is an occupationally specific course designed to focus on the study of marketing concepts and principles and their practical applications. Students will gain a real-world working knowledge of the marketing concepts through application. This class is partial classroom instruction and partial community work-site application. Students secure a job for the entire school year, which is evaluated by the classroom instructor and the work supervisor. Problem-solving skills, higher-level thinking, and work-application techniques are enhanced through this class format. Enrichment activities include special projects, guest speakers and field trips. Students get paid for their job and receive classroom credit. <i>Students must be employed in a marketing, sales, or retail-related occupation at least 10- 15 hours per week. Employment must be obtained within the first 10 days of school. Student must provide his/her own transportation. It is the student's responsibility to secure and maintain a job.</i></p>
<p>ADVERTISING AND SALES PROMOTION (dual credit) Grade Placement: 11-12 Course #: MKTG 2349 Hours: 3 hours of credit at Collin College Prerequisite: Principles of Business, Marketing and Finance, and counselor approval Credit: .5 unit</p>	<p>ADVERTISING AND SALES PROMOTION are key elements to any business that markets a product or service. Students will discover the goals and objectives of various types of advertising and promotion, identify and analyze advertisements and promotional campaigns, select media and develop advertisements. Students will learn about the different types of advertising media, measure the effectiveness of that media and determine the costs involved. Students will learn about the promotional mix as well as the importance of public relations. Students are responsible for all transportation, books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. This is a dual credit course and upon completion the student can receive 3 hours of college credit for MKTG 2349 Advertising and Sales Promotion.</p>

EDUCATION AND TRAINING

Possible careers in education and training include:

- Teacher
- Early Childhood Educator
- Education Counselor
- Education Administrator

Student Organization: Texas Association of Future Educators (TAFE) & Family, Careers, and Community Leaders of America (FCCLA)

EARLY CHILDHOOD EDUCATOR – PR-K TEACHER				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Principles of Education & Training • Professional Communication 	<ul style="list-style-type: none"> • Human Growth & Development • Psychology AND/OR <ul style="list-style-type: none"> • Child Development 	<ul style="list-style-type: none"> • Instructional Practices in Education & Training • Digital Interactive Media 	<ul style="list-style-type: none"> • Practicum in Education • Business Information Management I
TEACHER – K-12 & PRINCIPAL				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Principles of Education & Training • Professional Communication 	<ul style="list-style-type: none"> • Human Growth & Development • Psychology AND/OR <ul style="list-style-type: none"> • Child Development 	<ul style="list-style-type: none"> • Instructional Practices in Education & Training • Digital Interactive Media 	<ul style="list-style-type: none"> • Practicum in Education • Business Information Management I
SCHOOL COUNSELOR – SOCIAL WORKER				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Principles of Education & Training • Professional Communication 	<ul style="list-style-type: none"> • Human Growth & Development • Psychology AND/OR <ul style="list-style-type: none"> • Child Development 	<ul style="list-style-type: none"> • Instructional Practices in Education & Training • Digital Interactive Media 	<ul style="list-style-type: none"> • Practicum in Education • Business Information Management I

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<p>PRINCIPLES OF EDUCATION AND TRAINING Grade Placement: 9-12 Course #: 0934 Prerequisite: none Credit: .5 unit Fee required</p>	<p>PRINCIPLES OF EDUCATION AND TRAINING is designed to introduce learners to the various careers available within education and training career cluster. Students will gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area</p>
<p>HUMAN GROWTH AND DEVELOPMENT Grade placement: 10-12 Course #:0768 Prerequisite: Principles of Education and Training or Principles of Human Services Credit: 1 Fee required</p>	<p>HUMAN GROWTH AND DEVELOPMENT is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development</p>
<p>INSTRUCTIONAL PRACTICES IN EDUCATION AND TRAINING (READY, SET, TEACH 1) Grade Placement: 11-12 Course #: 0935 Prerequisite: Human Growth and Development or Child Development, application and instructor approval Credit: 2 units Fee required</p>	<p>INSTRUCTIONAL PRACTICES IN EDUCATION AND TRAINING is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching practices. Students will work under the joint direction and supervision of a teacher who has expertise in the areas of child development and educational methodology and an exemplary educator who is working in an instructional role in an elementary/ middle/ high school setting. Students will learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers. <i>It is the student's responsibility to provide his or her own transportation to and from the job-training site.</i></p>
<p>PRACTICUM IN EDUCATION AND TRAINING (READY, SET, TEACH 2) Grade Placement: 12 Course #: 0936 Prerequisite: Instructional Practices in Education and Training, application and instructor approval Credit: 2 units Fee required</p>	<p>PRACTICUM IN EDUCATION AND TRAINING is a capstone experience for students participating in a coherent sequence of courses in education and training. Practicum experiences are designed to give students supervised, off campus, practical application appropriate to the level and nature of skills acquired in their chosen sequence. <i>It is the student's responsibility to provide his or her own transportation to and from the job-training site.</i></p>

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HEALTH SCIENCE

Possible careers in health science training:

- Medical Doctor
- Medical Records
- Clerk
- Medical Assistant
- Emergency Medical Technician
- Dentist
- Medical Technology
- Nurse’s Aide
- Nurse
- Pharmacist
- Dental Hygienist
- Veterinarian
- Doctor of Osteopathy
- Nurse/Nurse Practitioner
- Athletic Trainer, Medical
- Research/Testing
- Medical Lab Assistant
- Nursing Home Services
- Forensics

Student Organization: Health Occupations Students of America (HOSA)

CERTIFIED NURSING ASSISTANT				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech <p>OR</p> <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Medical Terminology • Professional Communication 	<ul style="list-style-type: none"> • Principles of Health Science 	<ul style="list-style-type: none"> • Health Science (CNA) • Anatomy & Physiology 	<ul style="list-style-type: none"> • Practicum in Health Science (CNA mentor) • Anatomy & Physiology
PHARMACY TECH				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech <p>OR</p> <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Medical Terminology • Professional Communication 	<ul style="list-style-type: none"> • Principles of Health Science 	<ul style="list-style-type: none"> • Health Science (CNA) • Anatomy & Physiology 	<ul style="list-style-type: none"> • Practicum in Health Science I (Pharmacy Tech) • Anatomy & Physiology
EMT – DUAL CREDIT WITH COLLIN COLLEGE				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech <p>OR</p> <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Medical Terminology • Professional Communication 	<ul style="list-style-type: none"> • Principles of Health Science 	<ul style="list-style-type: none"> • Health Science (CNA) • Anatomy & Physiology 	<ul style="list-style-type: none"> • Practicum in Health Science I (EMT) Collin College Dual Credit EMSP 1091 <p align="center">AND</p> <ul style="list-style-type: none"> • Collin College Dual Credit EMSP 1501

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PERSONAL TRAINING

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Medical Terminology • Professional Communication 	<ul style="list-style-type: none"> • Principles of Health Science 	<ul style="list-style-type: none"> • Health Science (CNA) • Anatomy and Physiology 	<ul style="list-style-type: none"> • Practicum in Health Science I (Personal Training) • Anatomy and Physiology

PHYSICAL THERAPY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Medical Terminology • Professional Communication 	<ul style="list-style-type: none"> • Principles of Health Science 	<ul style="list-style-type: none"> • Health Science (CNA) • Anatomy and Physiology 	<ul style="list-style-type: none"> • Practicum in Health Science I (Physical Therapy) • Anatomy and Physiology

MEDICAL FORENSICS


Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Medical Terminology • Professional Communication 	<ul style="list-style-type: none"> • Principles of Health Science 	<ul style="list-style-type: none"> • Health Science (CNA) • Anatomy and Physiology 	<ul style="list-style-type: none"> • Forensic Science

<p>PRINCIPLES OF HEALTH SCIENCE Grade Placement: 10-12 Course #: 0943 Prerequisite: none Credit: 1 unit</p>	<p>PRINCIPLES OF HEALTH SCIENCE provides an overview of the therapeutic, diagnostic, health informatics, support services, advance biotechnology research and development systems of the health care industry. This course will satisfy the health credit for the district.</p>
<p>MEDICAL TERMINOLOGY Grade Placement: 9-12 Course #: 0944 Prerequisite: none Credit: .5 unit</p>	<p>MEDICAL TERMINOLOGY develops a working knowledge of the language of medicine; students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in healthcare.</p>
<p>ONLINE MEDICAL TERMINOLOGY Grade Placement: 9-12 On-line Course #: 0744 Prerequisite: none Credit: .5 unit Fee is required</p>	<p>ONLINE MEDICAL TERMINOLOGY develops a working knowledge of the language of medicine; students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in healthcare.</p>

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<p>ANATOMY AND PHYSIOLOGY Grade Placement: 11-12 Course #: 0947 Prerequisite: Biology, Chemistry, and Physics or concurrently enrolled in physics Credit: 1 unit</p>	<p>ANATOMY AND PHYSIOLOGY extends understanding of the structure and function of the human body. Students will explore physiological systems and associated pathologies. Higher-order thinking is stressed through assessment and synthesis of the anatomical knowledge combined with exposure to clinical analysis and dissections. <i>This course will count as a 4th year science.</i></p>
<p>HEALTH SCIENCE (CNA) Grade Placement: 10-12 Course #: 0945 Prerequisite: Principles of Health Science, application process and instructor approval Credit: 2 units</p>	<p>HEALTH SCIENCE(CNA) The first semester focuses on the aging process and development of skills in quality assessment and care of the geriatric client. In addition to classroom activities, students will train at a local long-term facility in preparation for the Texas Certified Nurse’s Aide exam. The second half of the course provides for the development of multi-occupational knowledge and skills related to a wide variety of health careers. Academic coursework is supplemented with participation in clinical rotations at various clinical sites. <i>This course is offered at MNHS only; It is the student’s responsibility to provide their own transportation to and from MNHS and job training site.</i></p>
<p>PRACTICUM IN HEALTH SCIENCE (CNA Mentor) Grade Placement: 12 Course #: 0979 Prerequisite: Health Science, application process and instructor approval; must be a CNA in good standing Credit: 2 units</p>	<p>PRACTICUM IN HEALTH SCIENCE (CNA Mentor) This occupational specific course provides advanced knowledge and clinical skills necessary for employment in the health care industry. The student will act as a mentor to health science students during CNA training; therefore, developing valuable leadership skills in the health care setting. In addition to the CNA portion of the course, the student will participate in clinical rotations specific to his/her career goals during second semester <i>This course is offered at MNHS only; It is the student’s responsibility to provide their own transportation to and from MNHS and job training site.</i></p>
<p>PRACTICUM IN HEALTH SCIENCE (PHARMACY TECH) Grade Placement: 12 Course #: 0978 Prerequisite: Principles of Health Science, application process and instructor approval Credit: 2 units</p>	<p>PRACTICUM IN HEALTH SCIENCE (PHARMACY TECH) provides an overview of prescription and nonprescription medications. Course content will emphasize drug classifications, drug action, drug administration, ethical and legal issues and safety. Students will develop an understanding of pharmaceuticals and their impact on the health care industry. In addition to classroom learning, students will train at local pharmacies in preparation for the PTCB exam to become Certified Pharmacy Technicians. <i>This course is offered at MNHS only; It is the student’s responsibility to provide their own transportation to and from MNHS and job training site.</i></p>
<p>PRACTICUM IN HEALTH SCIENCE (EMT) Grade Placement: 12 Course #: 0946 Prerequisite: Principles of Health Science, Application process, Student interview with instructor, instructor approval, TB test, current immunization records and criminal history check Dual credit with Collin College: Student pays College enrollment and tuition payments and must provide their own transportation. Credit: 2 units Dual Credits for Collin College EMS: 9 hrs</p>	<p>PRACTICUM IN HEALTH SCIENCE (EMT) This course is a dual credit program offered with Collin College. The courses students will register for are EMSP 1371 and EMSP 1501 Upon successful completion of the course, the student will be able to:</p> <ul style="list-style-type: none"> • Apply fundamental knowledge of the EMS system, safety/well-being of the EMT, medical legal and ethical issues to the provision of emergency care. • Use simple knowledge of the principles of illness and injury prevention in emergency care. • Apply fundamental knowledge of the anatomy, physiology and pathophysiology to the practice of EMS and uses foundational anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.

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	<ul style="list-style-type: none"> • Apply fundamental knowledge of general patient assessment and management in order to assure a patent airway, adequate ventilation and respiration for patients of all ages. • Apply fundamental knowledge to provide basic medical care based upon assessment findings for an acutely ill patient. • Apply operational principles in out-of-hospital environments. • Demonstrate life saving care to patients at the Emergency Medical Technician (EMT) level. • Display professional and ethical behaviors expected of emergency personnel. • Demonstrate a working knowledge of clinical information and related topics relevant to the practice of pre-hospital emergency medical care of the EMT level. • Demonstrate the ability to competently perform all applicable skills; and exhibit attitudes and behavior consistent with the ethics and professionalism expected of the EMT. <p><i>The EMT curriculum is based on the National EMS Educational Standards</i></p> <p><i>This course is offered at MNHS only; It is the student's responsibility to provide their own transportation to and from MNHS and job training site. Students are responsible for their own tuition.</i></p>
 <p>PRACTICUM IN HEALTH SCIENCE (Personal Training) Grade Placement: 12 Course #: 0701 Prerequisite: Health Science, application process and instructor approval; must be a CNA in good standing Credit: 2 units</p>	<p>PRACTICUM OF PERSONAL TRAINING is a course that teaches students about exercise physiology, physical conditioning, exercise techniques and exercise planning. Students will also learn how to counsel clients on wellness and public health issues such as obesity, smoking stress and proper nutrition. In addition to classroom learning, students will have the opportunity to train at local fitness facilities in preparation for the International Sports Sciences Association (ISSA) exam to become a Certified Personal Trainer. <i>This course is offered at MNHS only; It is the student's responsibility to provide their own transportation to and from MNHS and job training site.</i></p>
 <p>PRACTICUM IN HEALTH SCIENCE (Physical Therapy) Grade Placement: 12 Course #: 0702 Prerequisite: Health Science, application process and instructor approval; must be a CNA in good standing Credit: 2 units</p>	<p>PRACTICUM IN PHYSICAL THERAPY is a course that teaches students about clinical evaluation of patients with sports, work-related, and post-surgical injuries. Students will also explore more deeply into musculoskeletal anatomy and biomechanics, as well as exercise prescription. In addition to classroom learning, students will have the opportunity to practice hands-on skills and train at local Physical Therapy clinics. Students will also have the opportunity to earn a certification in Functional Movement Screening (FMS). <i>This course is offered at MNHS only; It is the student's responsibility to provide their own transportation to and from MNHS and job training site.</i></p>
<p>FORENSIC SCIENCE Grade Level: 12 Course #: 0730 Prerequisite: Biology, Chemistry, & Physics or concurrent enrollment in Physics Credit: 1 unit</p>	<p>FORENSIC SCIENCE is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. <i>This course will count as a 4th year science.</i></p>

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HUMAN SERVICES

Possible careers in human services include:

- Merchandising Manager
- Housing Sales
- Merchandising-Manager Apparel
- Counselor
- Therapist
- Early Childhood Educator
- Dietitians
- Geriatric Care Manager
- Barber
- Cosmetologist
- Manicurist
- Social and Community Services Manager

Student Organization: Family, Career and Community Leaders of America (FCCLA).

COSMETOLOGY

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Principles of Human Services • Professional Communication • Money Matters 	<ul style="list-style-type: none"> • Entrepreneurship • Principles of Business Marketing & Finance OR <ul style="list-style-type: none"> • Business Information Management I 	<ul style="list-style-type: none"> • Cosmetology I 	<ul style="list-style-type: none"> • Cosmetology II

EARLY CHILDHOOD EDUCATOR – PRESCHOOL TEACHER

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Principles of Human Services • Professional Communication 	<ul style="list-style-type: none"> • Child development • Principles of Business, Marketing and Finance OR <ul style="list-style-type: none"> • Money Matters 	<ul style="list-style-type: none"> • Child Guidance • Psychology OR <ul style="list-style-type: none"> • Digital Interactive Media 	<ul style="list-style-type: none"> • Practicum in Human Services • Business Information Management I

DAYCARE DIRECTOR – EARLY CHILDHOOD LEAD TEACHER

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Principles of Human Services • Professional Communication 	<ul style="list-style-type: none"> • Child development • Principles of Business, Marketing and Finance OR <ul style="list-style-type: none"> • Money Matters 	<ul style="list-style-type: none"> • Child Guidance • Psychology OR <ul style="list-style-type: none"> • Digital Interactive Media 	<ul style="list-style-type: none"> • Practicum in Human Services • Business Information Management I

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<p>PRINCIPLES OF HUMAN SERVICES Grade Placement: 9-12 Course #: 0949 Prerequisite: none Credit: .5 unit</p>	<p>PRINCIPLES OF HUMAN SERVICES is a laboratory course that enables students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage or high-demand human services careers.</p>
<p>CHILD DEVELOPMENT Grade Placement: 10-12 Course #: 0950 Prerequisite: none Credit: .5 unit</p>	<p>CHILD DEVELOPMENT addresses knowledge and skills related to child growth and development from prenatal through school-age children. Students will have child development knowledge that can be used to promote the well-being and healthy development of children and to investigate careers related to the care and education of children.</p>
<p>CHILD GUIDANCE Grade Placement: 11-12 Course #: 0951 Prerequisite: application, instructor approval, and criminal history check Credit: 2 units</p>	<p>CHILD GUIDANCE is a lab-based course that provides an in-depth study of growth and development of children, infant – 12 of age. Through the hands-on laboratory experience with children in the MISD preschool, students are involved in all areas of the preschool and will develop knowledge and skills necessary for employment in the area of childcare and guidance. Because of site limitations of childcare facility only 12 students will be allowed in a class.</p>
<p>PRACTICUM IN HUMAN SERVICES Grade Placement: 11-12 Course #: 0952 Prerequisite: application, instructor approval, and criminal history check; Child Guidance Credit: 2 units</p>	<p>PRACTICUM IN HUMAN SERVICES provides occupationally specific training and focuses on the development of careers in the areas of consumer services, early childhood development and services, counseling nutrition and wellness, hospitality and food services, fashion and interior design, and family and community services. Content is designed to meet the occupational preparation needs and interests of students by placing them in a paid or unpaid employment setting. <i>It is the student's responsibility to provide his or her own transportation to and from the job-training site.</i></p>
<p>COSMETOLOGY I Grade Placement: 11 Course #: 0953 Prerequisite: application, instructor approval Training kit Fee required Credit: 3 units</p>	<p>COSMETOLOGY I provides students with the basic specific classroom training needed to achieve their Texas Cosmetology License. Students will also be able to work on outside clientele for hands-on training. <i>Students will be expected to purchase their beginner's training kit by July 15, 2013. Students will be required to have completed 500 clocked hours before advancing to Cosmetology II. This course is offered at MHS only. Students must provide their own transportation.</i></p>
<p>COSMETOLOGY II Grade Placement: 12 Course #: 0954 Prerequisite: application, instructor approval; Cosmetology I Credit: 3 units Fee required</p>	<p>COSMETOLOGY II students upon completion of their senior year and the required 1500 hours total will have received classroom training needed to prepare them for their Cosmetologist Exam from the Texas Department of Licensing and Regulations. Students will also be able to work on outside clientele for hands-on training. Students must take the state board exam to earn the 1-½ credits for the second term. <i>This course is offered at MHS only. Students must provide their own transportation.</i></p>



INFORMATION TECHNOLOGY

Possible career pathway models in information technology include: Computer Support Specialist, Geographer, Communications Analyst, Multimedia Producer, Data Communications Analysts, Administrator, Computer Operations Analyst, Web Developer, and Software Engineer

CYBER SECURITY				
Grade 8	Grade 9	Grade 10	Grade 11 or 12	Grade 12
<ul style="list-style-type: none"> Principles of Arts, Audio, Visual Tech <p>OR</p> <ul style="list-style-type: none"> Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> Pre-AP Computer Science <p>OR</p> <ul style="list-style-type: none"> Intro to Engineering Design Professional Communication 	<ul style="list-style-type: none"> AP Computer Science <p>OR</p> <ul style="list-style-type: none"> Principles of Engineering <p>OR</p> <ul style="list-style-type: none"> Digital Electronics 	<ul style="list-style-type: none"> CMPT 1405^ IT Essentials (NPR) – Fall Semester <p>AND</p> <ul style="list-style-type: none"> ITNW 1358^ Network+ (NPR) – Spring Semester 	<ul style="list-style-type: none"> ITSY 1400^ Fundamentals of Information Security (Security+) (pre req INTW 1358) – Fall Semester <p>AND</p> <ul style="list-style-type: none"> Higher level security class (4,5 or 6 from Collin College) – Spring Semester
COMPUTER NETWORKING				
Grade 8	Grade 9	Grade 10	Grade 11 or 12 (2013/2014 school year)	Grade 12 (2014/2015 school year)
<ul style="list-style-type: none"> Principles of Arts, Audio, Visual Tech <p>OR</p> <ul style="list-style-type: none"> Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> Pre-AP Computer Science <p>OR</p> <ul style="list-style-type: none"> Intro to Engineering Design Professional Communication 	<ul style="list-style-type: none"> AP Computer Science <p>OR</p> <ul style="list-style-type: none"> Principles of Engineering <p>OR</p> <ul style="list-style-type: none"> Digital Electronics 	<ul style="list-style-type: none"> CMPT 1405^ IT Essentials (NPR) – Fall Semester <p>AND</p> <ul style="list-style-type: none"> ITNW 1358^ Network+ (NPR) – Spring Semester 	<ul style="list-style-type: none"> ITCC 1301 CCNA CISCO 1 (NPR) – Fall Semester <p>AND</p> <ul style="list-style-type: none"> ITCC 1304^ CCNA CISCO 2* (pre req ITCC 1301) – Spring Semester

^ Certification Third Party Exam Available for students

NPR – No pre-requisite needed (recommended Algebra 2 for all technical dual credit classes)

<p>PRE-AP COMPUTER SCIENCE Grade Placement: 9-11 Course #: 0231 Prerequisite: Geometry credit or concurrent enrollment in Pre-AP Algebra I, proficiency in basic computer literacy knowledge and skills Credit: 1 unit</p>	<p>PRE-AP COMPUTER SCIENCE is an advanced level approach to Object Oriented Programming (OOP), problem solving and analysis. This course is designed for those students who wish to prepare for AP Computer Science or prepare for entry to a computer science major at the college level. Students will use various software applications as well as the Java programming language throughout the course. The course will focus on an understanding of objected oriented programming and preparation for AP Computer Science to be taken the following year. Students who wish to skip Pre-AP Computer Science and enroll directly into AP Computer Science must demonstrate proficiency in problem solving and programming in entry-level Java.</p>
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<p>(PROJECT LEAD THE WAY) INTRO TO ENGINEERING DESIGN (IED) Grade Placement: 9-12 Course #: 0985 Prerequisite: Algebra I Credit: 1 unit</p>	<p>(PLTW) INTRO TO ENGINEERING DESIGN (IED), the foundation course in a series of Project Lead the Way pre-engineering courses, is designed to introduce the student to the field to pursue a with emphasis on the concept of developing a 3-D model or solid rendering of an object, beginning with hand sketching and advancing to 3-D modeling software. The course will emphasize the design development process of a product and how a model of that product is produced, analyzed and evaluated using a computer-aided design system. Various design applications will be explored with discussion of possible careers. This science, technology, and math integrated program focuses on engineering design processes while helping students develop skills that better prepare them for a rigorous academic college curriculum.</p>
<p>AP COMPUTER SCIENCE Grade Placement: 10-12 Course #: 0233 Prerequisite: Pre-AP Computer Science or demonstrated proficiency in basic computer literacy knowledge and skills Credit: 1 unit</p>	<p>AP COMPUTER SCIENCE is an advanced level approach to problem solving and analysis using Java. This course is equivalent to at least a first-semester, college-level course in computer science. Additionally, this course will prepare students for the AP Computer Science exam. Students who wish to skip Pre-AP Computer Science and enroll directly in AP Computer Science must demonstrate proficiency in problem solving and programming in entry level Java. Students must pass a proficiency exam or participate in a summer study program to by-pass the Pre-AP Computer Science prerequisite. <i>AP Computer Science will qualify as a fourth year math credit for a student who earned Algebra II credit prior to taking AP Computer Science.</i> <u>Students are required to take the Advanced Placement exam.</u> A score of 3 or above on the College Board Advanced Placement Examination can count for one (1) Advanced Measure on DAP.</p>
<p>(PROJECT LEAD THE WAY - PLTW) PRINCIPLES OF ENGINEERING (POE) Grade Placement: 10-12 Course #: 0986 Prerequisite: Introduction to Engineering Design; recommended minimum grade of 80 from most recent math course taken Credit: 1 unit</p>	<p>(PLTW) PRINCIPLES OF ENGINEERING (POE) is part of the Project Lead the Way pre-engineering sequence and will guide students toward an understanding of the field of engineering and engineering technology while developing skills that better prepare them for a rigorous academic college curriculum. Applying the principles of to various technology systems and manufacturing processes helps students learn how engineers and technicians use science, technology and math in an engineering problem-solving process to benefit people. The course includes concerns about social and political consequences of technological change.</p>
<p>(PROJECT LEAD THE WAY) DIGITAL ELECTRONICS Grade Placement: 10-12 Course #: 0987 Prerequisite: Introduction to Engineering Design and Principles of Engineering, minimum grade of 80 from most recent math course taken Credit: 1 unit</p>	<p>(PLTW) DIGITAL ELECTRONICS is part of the Project Lead the Way pre-engineering sequence. Students will study the application of electronic logic circuits and devices and apply Boolean logic to the solution of problems. Students will test and analyze simple and complex digital circuitry. Students will design circuits, export their designs to a printed circuit auto routing program that generates printed circuit boards and construct the design using chips and other components.</p>
<p>CMPT 1405 IT ESSENTIALS: PC HARDWARE AND SOFTWARE (dual credit) Grade Placement: 11-12 Course #: CMPT 1405 Hours: 4 hours of credit at Collin College Prerequisite: AP Computer Science, Principles of Engineering or Digital Electronics, recommended Algebra 2 and counselor approval Credit: 1 unit</p>	<p>CMPT 1405 IT ESSENTIALS: PC HARDWARE AND SOFTWARE provides comprehensive overview of computer hardware and software and an introduction to advanced concepts. Lab required. 4 credit hours. This is a dual credit course and upon completion the student can receive 4 hours of college credit for CMPT 1405. Students are responsible for tuition and certification costs. This course is only offered at MBHS and students must provide their own transportation.</p>

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<p>ITNW 1358 NETWORK+ (dual credit) Grade Placement: 11-12 Course #: ITNW 1358 Hours: 3 hours of credit at Collin College Prerequisite: AP Computer Science, Principles of Engineering or Digital Electronics, recommended Algebra 2 and counselor approval Credit: 1 unit</p>	<p>ITNW 1358 NETWORK+ assists individuals in preparing for Computing Technology Industry Association (CompTIA) Network+ certification exam and career as a network professional. Prepares individuals for a career as a Network Engineer in the Information Technology support industry. Includes the various responsibilities and tasks required for service engineer to successfully perform in a specific environment. Lab required. 3 credit hours. This is a dual credit course and upon completion the student can receive 3 hours of college credit for ITNW 1358. Students are responsible for tuition and certification costs. This course is only offered at MBHS and students must provide their own transportation.</p>
<p>ITCC 1301 CCNA 1 CISCO EXPLORATION I – NETWORKING FUNDAMENTALS (dual credit) Grade Placement: 11-12 Course #: ITCC 1301 Hours: 3 hours of credit at Collin College Prerequisite: Algebra 2 and Counselor approval Recommended Prerequisite: CMPT 1405 and ITNW 1358 Credit: 1 unit</p>	<p>ITCC 1301 CCNA 1 CISCO EXPLORATION I – NETWORKING FUNDAMENTALS is a course introducing the architecture, structure, functions, components, and models of the internet. Describes the use of OSI and TCP layered models to examine the nature and roles of protocols and services at the applications, network, data link, and physical layers. Covers the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations. Build simple LAN topologies by applying basic principles of cabling; perform basic configurations of network devices, including routers and switches; and implementing IP addressing schemes. Lab required. 3 credit hours. This is a dual credit course and upon completion the student can receive 3 hours of college credit for ITCC 1301. Students are responsible for tuition. This course is only offered at MBHS and students must provide their own transportation.</p>
<p>ITSY 1400 FUNDAMENTALS OF INFORMATION SECURITY (SECURITY +) (dual credit) Grade Placement: 11-12 Course #: ITSY 1400 Hours: 4 hours of credit at Collin College Prerequisite: ITNW 1358, Algebra 2 and Counselor approval Credit: 1 unit</p>	<p>ITSY 1400 FUNDAMENTALS OF INFORMATION SECURITY (SECURITY +) An introduction to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. Lab required. 4 credit hours. Pre requisite: ITNW 1358. This is a dual credit course and upon completion the student can receive 4 hours of college credit for ITSY 1400. Students are responsible for tuition and certification costs. This course is only offered at MBHS and students must provide their own transportation.</p>
<p>ITCC 1304 CCNA 2 CISCO EXPLORATION 2 – ROUTING PROTOCOLS AND CONCEPTS (dual credit) Grade Placement: 11-12 Course #: ITCC 1304 Hours: 3 hours of credit at Collin College Prerequisite: ITCC 1301, Algebra 2 and Counselor approval Credit: 1 unit</p>	<p>ITCC 1304 CCNA 2 CISCO EXPLORATION 2 – ROUTING PROTOCOLS AND CONCEPTS describes the architecture, components, and operation of routers, and explains the principles of routing and routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols RIPv1, RIPv2, EIGRP, and OSPF. Recognize and correct common routing issues and problems. Model and analyze routing processes. Lab required. 3 credit hours. Pre-requisite: ITCC 1301. This is a dual credit course and upon completion the student can receive 3 hours of college credit for ITCC 1304. Students are responsible for tuition and certification costs. This course is only offered at MBHS and students must provide their own transportation.</p>

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

Possible careers in law, public safety, corrections and security include:

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|---|--|---|
| <ul style="list-style-type: none"> • Police Officer • Dispatcher • Sheriff • Jailer • Attorney | <ul style="list-style-type: none"> • Mediator • Judge • Firefighter • Park Ranger • EMT | <ul style="list-style-type: none"> • Police Detective • Paralegal • Security Guard |
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Student Organization: Texas Law Enforcement Explorer Advisors Association (TLEEAA)

LAW ENFORCEMENT				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Principles of Law, Public Safety, Corrections and Security • Professional Communication 	<ul style="list-style-type: none"> • Law Enforcement I 	<ul style="list-style-type: none"> • Law Enforcement II 	<ul style="list-style-type: none"> • Forensic Science
CORRECTIONAL SERVICES				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Principles of Law, Public Safety, Corrections and Security • Professional Communication 	<ul style="list-style-type: none"> • Law Enforcement I 	<ul style="list-style-type: none"> • Correctional Services 	<ul style="list-style-type: none"> • Law Enforcement II • Forensic Science
LAWYER				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech OR <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Principles of Law, Public Safety, Corrections and Security • Professional Communication 	<ul style="list-style-type: none"> • Security Services OR <ul style="list-style-type: none"> • Correctional Services 	<ul style="list-style-type: none"> • Law Enforcement I 	<ul style="list-style-type: none"> • Law Enforcement II • Forensic Science

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<p>PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY Grade Placement: 9-12 Course #: 0965 Prerequisite: none Credit: .5 unit</p>	<p>PRINCIPALS OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security and corrections.</p>
<p>LAW ENFORCEMENT I Grade Placement: 10-12 Course #: 0966 Prerequisite: Principles of Law, Public Safety, Corrections and Security Credit: 1 unit</p>	<p>LAW ENFORCEMENT I is an overview of the history, organization, and functions of local, state and federal law enforcement. This course includes the role of constitution law, the United States legal system, criminal law, law enforcement terminology and the classification and elements of crime.</p>
<p>LAW ENFORCEMENT II Grade Placement: 11-12 Course #: 0967 Prerequisite: Law Enforcement I Credit: 1 units</p>	<p>LAW ENFORCEMENT II is designed to give the student insight into the areas of emergency communications, also referred to as dispatching. Completion of Law Enforcement II will prepare students for certification tests required for employment as an emergency dispatcher. Students will be instructed in the use of the phonetic alphabet used by the majority of law enforcement agencies and military. Students will also be introduced to 10 codes used by law enforcement agencies in Texas. Students will also gain experience in Computer Aided Dispatching (CAD) through the use of simulation software and equipment as well as through direct observation of people employed in this field. Students will use simulated radio communications systems and participate in simulated 911 calls. Students will progress in levels of difficulty based on attained competencies.</p>
<p>SECURITY SERVICES Grade Placement: 10-12 Course #: 0969 Prerequisite: Principles of Law, Public Safety, Corrections and Security Credit: 1 unit</p>	<p>SECURITY SERVICES students will study the history and philosophy of security; ethical considerations; the nature and impact of security; an overview of the security system. Students will learn the concepts and skills for security officers plus Texas' rules and regulations; security specialist training and certification; organization of personnel; risk analysis and surveys; security applications; security problems; and the future of security services. Instruction is based on the content required by the Texas Board of Private Investigators and Private Security Agency, as a recommended prerequisite to licensing by the state.</p>
<p>CORRECTIONAL SERVICES Grade Placement: 10-12 Course #: 0968 Prerequisite: Principles of Law, Public Safety, Corrections and Security Credit: 1 unit</p>	<p>CORRECTIONAL SERVICES students prepare for certification required for employment as a correctional officer. The student will learn the role and responsibilities of a correctional officer; discuss relevant rules, regulations, and laws; and discuss defensive tactics, restraint techniques, and first-aid procedures as used in the correctional setting. The student will analyze rehabilitation and alternatives to Institutionalization.</p>
<p>FORENSIC SCIENCE Grade Level: 12 Course #: 0730 Prerequisite: Biology, Chemistry, & Physics or concurrent enrollment in Physics Credit: 1 unit</p>	<p>FORENSIC SCIENCE is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. <i>This course will count as a 4th year science.</i></p>

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

Possible careers in science, technology, engineering and mathematics include:

- Mechanical Engineering
- Environmental Engineer
- Electrical Engineer
- Biomedical Engineer
- Aerospace Engineer
- Chemist
- Nuclear Engineer
- Civil Engineer
- Technical Writer
- Biologists
- Materials Scientist

ENGINEERING				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech <p>OR</p> <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Introduction to Engineering Design • Professional Communication 	<ul style="list-style-type: none"> • Principles of Engineering 	<ul style="list-style-type: none"> • Digital Electronics • Principles of Technology 	<ul style="list-style-type: none"> • Engineering Design and Development • Engineering Mathematics
CIVIL ENGINEERING				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech <p>OR</p> <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Introduction to Engineering Design • Professional Communication 	<ul style="list-style-type: none"> • Principles of Engineering 	<ul style="list-style-type: none"> • Civil Engineering and Architecture • Principles of Technology 	<ul style="list-style-type: none"> • Engineering Design and Development • Engineering Mathematics
MECHANICAL ENGINEERING ROBOTICS				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Principles of Arts, Audio, Visual Tech <p>OR</p> <ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) 	<ul style="list-style-type: none"> • Robotics and Automation • Professional Communication 	<ul style="list-style-type: none"> • Introduction to Engineering Design 	<ul style="list-style-type: none"> • Principles of Engineering • Principles of Technology 	<ul style="list-style-type: none"> • Problems and Solutions in Robotics and Automation • Engineering Mathematics

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<p>(PROJECT LEAD THE WAY) INTRO TO ENGINEERING DESIGN (IED) Grade Placement: 9-12 Course #: 0985 Prerequisite: Algebra I Credit: 1 unit</p>	<p>(PLTW) INTRO TO ENGINEERING DESIGN (IED), the foundation course in a series of Project Lead the Way pre-engineering courses, is designed to introduce the student to the field to pursue a with emphasis on the concept of developing a 3-D model or solid rendering of an object, beginning with hand sketching and advancing to 3-D modeling software. The course will emphasize the design development process of a product and how a model of that product is produced, analyzed and evaluated using a computer-aided design system. Various design applications will be explored with discussion of possible careers. This science, technology, and math integrated program focuses on engineering design processes while helping students develop skills that better prepare them for a rigorous academic college curriculum.</p>
<p>ROBOTICS AND AUTOMATION Grade Placement: 11-12 Course #: 0729 Prerequisite: None Credit: 1 unit</p>	<p>ROBOTICS AND AUTOMATION students will demonstrate knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills to component designs in a project-based environment. Students will build prototypes or use simulation software to test their designs. Additionally, students explore career opportunities, employer expectations, and educational needs in the robotic and automation industry. <i>This class is offered at MHS only.</i></p>
<p>PROBLEM AND SOLUTIONS IN ROBOTICS Grade Placement: 9-12 Course#: 0725 Prerequisite: Robotics and Automation 1 credit</p>	<p>PROBLEM AND SOLUTIONS IN ROBOTICS is a project-based research course for students who have the ability to research a real-world problem relating to robotics and automation. Students develop a project on a topic related robotics and automation, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies in a variety of settings. <i>This class is offered at MHS only.</i></p>
<p>(PROJECT LEAD THE WAY) PRINCIPLES OF ENGINEERING (POE) Grade Placement: 10-12 Course #: 0986 Prerequisite: Introduction to Engineering Design; minimum grade of 80 from most recent math course taken Credit: 1 unit</p>	<p>(PLTW) PRINCIPLES OF ENGINEERING (POE) is part of the Project Lead the Way pre-engineering sequence and will guide students toward an understanding of the field of engineering and engineering technology while developing skills that better prepare them for a rigorous academic college curriculum. Applying the principles of to various technology systems and manufacturing processes helps students learn how engineers and technicians use science, technology and math in an engineering problem-solving process to benefit people. The course includes concerns about social and political consequences of technological change.</p>
<p>(PROJECT LEAD THE WAY) DIGITAL ELECTRONICS Grade Placement: 10-12 Course #: 0987 Prerequisite: Introduction to Engineering Design and Principles of Engineering, minimum grade of 80 from most recent math course taken Credit: 1 unit</p>	<p>(PLTW) DIGITAL ELECTRONICS is part of the Project Lead the Way pre-engineering sequence. Students will study the application of electronic logic circuits and devices and apply Boolean logic to the solution of problems. Students will test and analyze simple and complex digital circuitry. Students will design circuits, export their designs to a printed circuit auto routing program that generates printed circuit boards and construct the design using chips and other components.</p>

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<p>(PROJECT LEAD THE WAY) CIVIL ENGINEERING AND ARCHITECTURE Grade Placement: 11-12 Course #: 0988</p> <p>Prerequisite: Introduction to Engineering Design and Principles of Engineering, Geometry Credit: 1 unit</p>	<p>(PLTW) CIVIL ENGINEERING AND ARCHITECTURE will introduce students to the interdependent fields of civil engineering and architecture. Students learn project planning, site planning and building design.</p>
<p>(PROJECT LEAD THE WAY) ENGINEERING DESIGN AND DEVELOPMENT Grade Level: 12 Course#: 0728 Prerequisite: Introduction to Engineering Design, Principles of Engineering, and Current PLTW teacher recommendation Credit: 1 unit</p>	<p>(PLTW) ENGINEERING DESIGN AND DEVELOPMENT – in the Capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate & justify a technical problem. After carefully defining the problem, teams design, build & test their solutions while working closely with industry Professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel. This course is appropriate for 12th grade students. This class is offered at MBHS only.</p>
<p>ENGINEERING MATHEMATICS Grade Level: 10-12 Course #: 0727 Prerequisite: Algebra II Credit: 1 unit</p>	<p>ENGINEERING MATHEMATICS is a course where students solve and model robotic design problems. Students use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming. <i>This course will count as a 4th year math.</i></p>
<p>PRINCIPLES OF TECHNOLOGY Grade Placement: 11 Course #: 0781 Prerequisite: 2 units of Science including Biology and Chemistry, recommended Algebra II or concurrently enrolled in Algebra II Credit: 1 unit</p>	<p>PRINCIPLES OF TECHNOLOGY in which students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, energy, and matter. Students will study a variety of topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices. <i>This course can count as a physics credit for graduation. This class is offered at MBHS only.</i></p>

TRANSPORTATION, DISTRIBUTION AND LOGISTICS

MCKINNEY AVIATION ACADEMY

Possible careers for transportation, distribution and logistics include:

- Commercial Pilot
 - Avionics Technician
 - Transportation Manager
 - Warehouse Manager
- Facility Maintenance Manager
 - Urban and Regional Planners
 - Automotive Engineers
- Automotive Technicians
 - Sales Route Driver
 - Collision Repair Estimator
 - Fixed Operations Director

AVIATION - PILOT				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) OR <ul style="list-style-type: none"> • Principles of Information Technology 	<ul style="list-style-type: none"> • Introduction to Aviation Industry • Professional Communication 	<ul style="list-style-type: none"> • Aviation Transportation Systems 	<ul style="list-style-type: none"> • Aviation Management • Principles of Technology 	<ul style="list-style-type: none"> • Practicum in Transportation, Distribution, and Logistics – Pilot Training • Engineering Mathematics •
AVIONICS TECHNICIAN				
Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> • Concepts of Engineering (Career Portals) OR <ul style="list-style-type: none"> • Principles of Information Technology 	<ul style="list-style-type: none"> • Introduction to Aviation Industry • Professional Communication 	<ul style="list-style-type: none"> • Aviation Transportation Systems 	<ul style="list-style-type: none"> • Aviation Management • Principles of Technology 	<ul style="list-style-type: none"> • Practicum in Transportation, Distribution, and Logistics – Aviation Mechanic • Engineering Mathematics

<p>INTRODUCTION TO AVIATION INDUSTRY Grade Placement: 9-12 Course #: 0714 Prerequisite: None Credit: .5 unit</p>	<p>INTRODUCTION TO AVIATION INDUSTRY is the first course in the Aviation Academy Program. Students will discover the components of the transportation infrastructure. Performance requirements will include academic and technical skills. In this introductory aviation course, students gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems surrounding the aviation industry. This knowledge includes the history, laws and regulations, and common practices used in the logistics of transportation systems focusing on aircraft transportation.</p>
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2014-15 ACADEMIC PLANNING GUIDE

<p>AVIATION TRANSPORTATION SYSTEMS Grade Level: 10-12 Course #: 0726 Prerequisite: Introduction to Aviation Industry Credit: 1 unit Fee required</p>	<p>AVIATION TRANSPORTATION SYSTEMS is the second course in the Aviation Academy Program preparing students to become a certified Pilot or Aircraft Repairman / Mechanic. Students will learn the interaction between various aircraft systems, the logistics used to move goods and services to consumers, the components of transportation infrastructure surrounding the aviation industry, and pilot ground school topics. This course is also designed to teach the theory of operation of aircraft airframes, power plants, and avionics systems and associated maintenance and repair practices. This course will provide a very introduction to flight school. Students may have an opportunity for 1 hour of flight time with a certified flight instructor. Students that are at least 16 years old may receive their student pilot certificate. <i>Students will apply to the Aviation Academy to take the next two years of the program.</i></p>
<p>LOGISTICS, PLANNING, & MANAGEMENT IN AVIATION Grade Level: 11-12 Course #: 0715 Prerequisite: Aviation Transportation Systems, application and instructor approval to Aviation Academy Credit: 2 unit Fee required</p>	<p>LOGISTICS, PLANNING, & MANAGEMENT IN AVIATION is the third course in the Aviation Academy Program that will result in preparation to become a certified Pilot or Aircraft Repairman / Mechanic. This course is designed to provide training for entry-level employment in the Logistics, Planning, and Management Systems surrounding aviation. This course will apply the theory of operation, repair, and maintenance of aircraft airframe, power plant, and avionics systems. Aircraft services include knowledge of the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircraft as governed by federal aviation regulations. Students may also have the opportunity for 1 hour of flight time with a certified instructor. <i>This course will have limited enrollment numbers and course is offered at MNHS only. It is the student's responsibility to provide their own transportation to and from MNHS and job training site.</i></p>
<p>PRACTICUM IN PILOT TRAINING Grade Level: 12 Course# 0722 Prerequisite: Aviation Management, drug screening, application and instructor approval Credit: 2 Fee required</p>	<p>PRACTICUM IN PILOT TRAINING is the final course in a four-course sequence that will result in the ability to begin the pathway towards a certified pilot. This course will explore the flight training ground school. The class will allow the students to obtain approximately 5-10 flight hours. Students will be required to have a random drug test and application approval from the instructor. The expense of this program is the responsibility of the student. Students will spend majority of this class at the airport. <i>This course will have limited enrollment numbers and course is offered at MNHS only. It is the student's responsibility to provide their own transportation to and from MNHS and job training site.</i></p>
<p>PRACTICUM IN AVIATION MECHANIC Grade Level: 12 Course# 0721 Prerequisite: Aviation Management, drug screening, application and instructor approval Credit: 2 Fee required</p>	<p>PRACTICUM IN AVIATION MECHANIC is the final course in a four-course sequence that will result in the ability to begin the pathway towards a certified Rotax mechanic or Light Sport Airplane Repairman. This course will create the opportunity for students to work towards the Airframe Power & Plant FAA Certification. Students have the option to obtain approximately 5-10 flight hours. Students will be required to have a random drug test and application approval from the instructor. The expense of this program is the responsibility of the student. Students will spend majority of this class at the airport. <i>This course will have limited enrollment numbers and course is offered at MNHS only. It is the student's responsibility to provide their own transportation to and from MNHS and job training site.</i></p>

FINE ARTS

MUSICAL ARTS

Possible career objectives for students with talent in the fine arts- MUSIC: Broadcasting, Conductor, Critic, Music Teacher, Publisher, Vocalist, Music Editor, Concert Promoter, Composer, Instrument Repair, Historian, Music Director, Instrumentalist, Music Arrangement, Musical Theater, Music Sales, Music Therapist, Band Member, and Band Director

<p>AP MUSIC THEORY Grade Placement: 11-12 Course #: 0539 Prerequisite: fine arts instructor approval; students should be able to read music; pass entrance exam Credit: 1 unit</p>	<p>AP MUSIC THEORY will provide students with a learning experience equivalent to that of an introductory college course in music theory. The course will develop a student’s ability to recognize, understand, describe and analyze the basic materials and processes of music that are heard or presented in a score. It is recommended that students have prior training in music either through lessons (voice or instrumental), participation in an ensemble, or an introductory rudiments/theory course. Students are required to take the Advanced Placement exam. A score of 3 or above on the College Board Advanced Placement Examination can count for one (1) Advanced Measure on DAP.</p>
<p>CONCERT BAND Grade Placement: 9-12 Course #: 9th – 0991; 10th -0992; 11th-0993; 12th-0994 Prerequisite: audition and director approval Credit: 1 unit fine arts; .5 unit PE during the fall semester for 1st and 2nd year</p>	<p>CONCERT BAND is a non-varsity, intermediate level, performing ensemble. This ensemble will meet the needs of instrumental music students who are not ready to participate in the upper level bands. Participation in the marching band is required. <i>Students will receive PE credit for marching band during fall semester of the first and second year and a fine arts credit for the entire year for all four years.</i></p>
<p>SYMPHONIC BAND I Grade Placement: 9-12 Course #: 9th-0561; 10th-0562; 11th-0563; 12th-0564 Prerequisite: audition and director approval Credit: 1 unit fine arts; .5 unit PE during the fall semester for 1st and 2nd year</p>	<p>SYMPHONIC BAND I is a non-varsity, intermediate- level, performing band. All students placed in the Symphonic Band must enroll in this course. Participation in the marching band is required. <i>Students will receive PE credit for marching band during the fall semester of the first and second year and a fine arts credit for the entire year for all four years.</i></p>
<p>SYMPHONIC BAND II Grade Placement: 9-12 Course #: 9th-0995; 10th-0996; 11th-0997; 12th- 0998 Prerequisite: audition and director approval Credit: 1 unit fine arts; .5 unit PE during the fall semester for 1st and 2nd year</p>	<p>SYMPHONIC BAND II is a non-varsity, intermediate level, performing ensemble. This ensemble will meet the needs of instrumental music students who are not ready to participate in the upper level bands. Participation in the marching band is required. <i>Students will receive PE credit for marching band during the fall semester of the first and second year and a fine arts credit for the entire year for all four years.</i></p>
<p>HONORS BAND Grade Placement: 9-12 Course #: 9th-0578; 10th-0520; 11th-0528; 12th-0513 Prerequisite: audition and director approval; advanced level band experience Credit: 1 unit fine arts; .5 unit PE during the fall semester for 1st and 2nd year</p>	<p>HONORS BAND required for students placed in Honors Band. Participation in the marching band is required. <i>Students will receive PE credit for marching band during the fall semester of the first and second year and a fine arts credit for the entire year for all four years.</i></p>

2014-15 ACADEMIC PLANNING GUIDE

<p>PERCUSSION ENSEMBLE Grade Placement: 9-12 Course #: 9th-0999; 10th-1001; 11th-1002; 12th-1004 Prerequisite: audition and director approval; required performing ensemble for all percussionists in the band program</p> <p>Credit: .5 unit fine arts; .5 unit PE during the fall semester for 1st and 2nd year</p>	<p>PERCUSSION ENSEMBLE focuses on marching drum line techniques. This course will meet during the fall semester only. All percussionists will be placed in the appropriate level band during the spring semester. <i>Students will receive PE credit for marching band during the fall semester of the first and second year and a .5 fine arts credit for the fall semester for all four years.</i></p>
<p>COLOR GUARD Grade Placement: 9-12 Course #: 9th-0565; 10th-0566; 11th-0567; 12th-0568 Prerequisite: audition and director approval Credit: .5 unit fine arts; .5 unit PE during the fall semester for 1st and 2nd year</p>	<p>COLOR GUARD is a part of the high-school band program and is a semester-long course that participates in marching band in the fall Semester. All students are welcome to audition for the color guard including non-band members. All students acquire skills in several varieties of equipment including flag, rifle and saber. <i>Students will receive PE credit for marching band during the fall semester of the and second year and a .5 fine arts credit for the fall semester for all four years.</i></p>
<p>WINTER GUARD Grade Placement: 9-12 Course #: 9th-0585; 10th-0586; 11th-0587; 12th-0588 Prerequisite: must have participated in Color Guard in the fall semester or director approval Credit: .5 unit fine arts</p>	<p>WINTER GUARD is a part of the high-school band program and is a semester-long course that takes place in the spring semester. All students are welcome to participate in winter guard including non-band members. All students acquire skills in several varieties of equipment including flag, rifle and saber. Students will participate in various Winter Guard competitions throughout the spring semester. <i>Students will receive .5 fine arts credit for spring semester.</i></p>
<p>JAZZ ENSEMBLE Grade Placement: 9-12 Course #: 9th-0514; 10th-0515; 11th-0516; 12th- 0517 Prerequisite: audition and director approval Credit: 1 unit</p>	<p>JAZZ ENSEMBLE focuses on the study of jazz, rock, funk, fusion, Latin and big band-literature. Improvisation, jazz theory and jazz history will also be studied. All members must be enrolled in the honors band or symphonic band. Members must enroll for the entire school year.</p>
<p>CONCERT ORCHESTRA I-IV Grade Placement: 9-12 Course #: 9th-0547; 10th-0548; 11th-0549; 12th-0550 Prerequisite: director approval and previous middle school experience Credit: 1 unit</p>	<p>CONCERT ORCHESTRA I-IV is an ability-based course designed for students who have demonstrated an understanding of string fundamentals. Placement in orchestra is not based on grade level of students but on proficiency. The ensemble will meet the needs of the string instrumental students who are not ready to participate in the upper-level orchestras and will focus on refinement of string techniques and music-reading skills. Students are required to participate in public performances throughout the year. Participation in solo/ensemble events is highly encouraged.</p>
<p>SYMPHONY ORCHESTRA I-IV Grade Placement: 9-12 Course #: 9th-1011; 10th-1012; 11th-1013; 12th-1014 Prerequisite: audition, director approval and Advanced Level 1, 2 and 3 high school music skills/competencies Credit: 1 unit</p>	<p>SYMPHONY ORCHESTRA I-IV is designed for upper-level students who have a strong orchestral background and demonstrate advanced string techniques and musical skills and is ability-based. Placement in orchestra is not based on grade level of students but on proficiency. Students are required to participate in a number of public performances throughout the year, as well as solo/ensemble events and are expected to be active in regional and state-level contests.</p>

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<p>CHAMBER ORCHESTRA I-IV Grade Placement: 9-12 Course #: 9th-0674; 10th-0675; 11th-0676; 12th-0677 Prerequisite: audition, director approval and Advanced Level 1, 2 and 3 high school music skills/competencies Credit: 1 unit</p>	<p>CHAMBER ORCHESTRA I-IV is designed for advanced-level students who have a strong orchestral background and demonstrate mastery of advanced string techniques and musical skills. Students must participate in a number of public performances throughout the year, including concerts, special civic and school performances, as well as solo/ensemble events and are expected to be active in regional and state-level contests. This orchestra may be limited to minimum instrumentation, as determined by the director and needs of the program. In order to maintain membership in this Chamber Orchestra, the student is expected to continue their development of expertise on his/her instrument through individual preparation and development throughout the school year.</p>
<p>HONORS CHAMBER ORCHESTRA I-IV Grade Level: 9-12 Course #: 9th-0678; 10th-0679; 11th-0680; 12th-0681 Prerequisite: Audition and teacher approval Credit: 1 unit</p>	<p>HONORS CHAMBER ORCHESTRA I-IV is designed for <i>very</i> advanced-level students who have a strong orchestra background and demonstrates mastery of advanced string techniques and skills <i>comparable to college level playing</i>. Students must participate in a number of public performances throughout the year, including concerts, special civic and school performances, as well as solo/ensemble events and are expected to be active in All City, All Region and State Level Contests. The orchestra may be limited to minimum instrumentation, as determined by the director and needs of the program. In order to maintain membership in this orchestra, the student is expected to continue their development of expertise on his/her instrument through individual preparation and development throughout the school year.</p>
<p>MEN'S CHORUS Grade Placement: 9-12 Course #: 9th-0535; 10th-0537; 11th-0557; 12th-0545 Prerequisite: audition, director approval; previous middle school choir experience preferred Credit: 1 unit</p>	<p>MEN'S CHORUS is designed to develop vocal and music-reading skills. Students are required to participate in at least two public performances throughout the year and are encouraged to participate 12th-in regional-and state-level vocal auditions and contests.</p>
<p>WOMEN'S CHORUS Grade Placement: 9-12 Course #: 9th-0536; 10th-0538; 11th-0558; 12th-0546 Prerequisite: audition and director approval; previous middle school choir experience preferred Credit: 1 unit</p>	<p>WOMEN'S CHORUS is designed to develop vocal and music-reading skills. Students are required to participate in at least two public performances during the year and are encouraged to participate in regional-and state-level vocal auditions and contests.</p>
<p>CHAMBER SINGERS Grade Placement: 9-12 Course #: 9th-0580; 10th-0581; 11th-0582; 12th- 0583 Prerequisite: audition and director approval; Level 1 high school vocal music skills/ competencies Credit: 1 unit</p>	<p>CHAMBER SINGERS is designed for women who have demonstrated an understanding of choral music fundamentals. Students are required to participate in a number of public performances throughout the year. Participation in regional-and state-level vocal contests is highly recommended.</p>
<p>CHORALE Grade Placement: 9-12 Course #: 9th-0524; 10th-0525; 11th-0526; 12th-0527 Prerequisite: audition and director approval; Level 1 and Level 2 high school vocal music skills/competencies Credit: 1 unit</p>	<p>CHORALE is designed for students who have demonstrated an understanding of choral music fundamentals. Students are required to participate in a number of public performances throughout the year. Participation in regional-and state-level vocal contests is highly recommended.</p>

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<p>CONCERT CHOIR Grade Placement: 10-12 Course #: 10th-0521; 11th-0522; 12th-0523 Prerequisite: audition and director approval; Level 1, Level 2 and Level 3 high school vocal music skills/competencies Credit: 1 unit</p>	<p>CONCERT CHOIR, Advanced Level 4 Varsity Mixed Choir, is designed for upper-level students who have strong choir background and demonstrated advanced vocal and musical skills. Students are required to participate in a number of public performances throughout the year and are expected to be active in regional-and state-level vocal contest.</p>
<p>VOCAL JAZZ ENSEMBLE Grade Placement: 10-12 Course #: 10th-0529; 11th-0530; 12th-0531 Prerequisite: audition and director approval; Level 1, Level 2 and Level 3 high school choir skills/competencies Credit: 1 unit</p>	<p>VOCAL JAZZ ENSEMBLE is an Advanced Level 4 mixed vocal jazz ensemble. Concurrent membership in one of the larger choirs is required of all vocal jazz students. Students are required to participate in a vigorous concert schedule throughout the year. (Limited class size)</p>

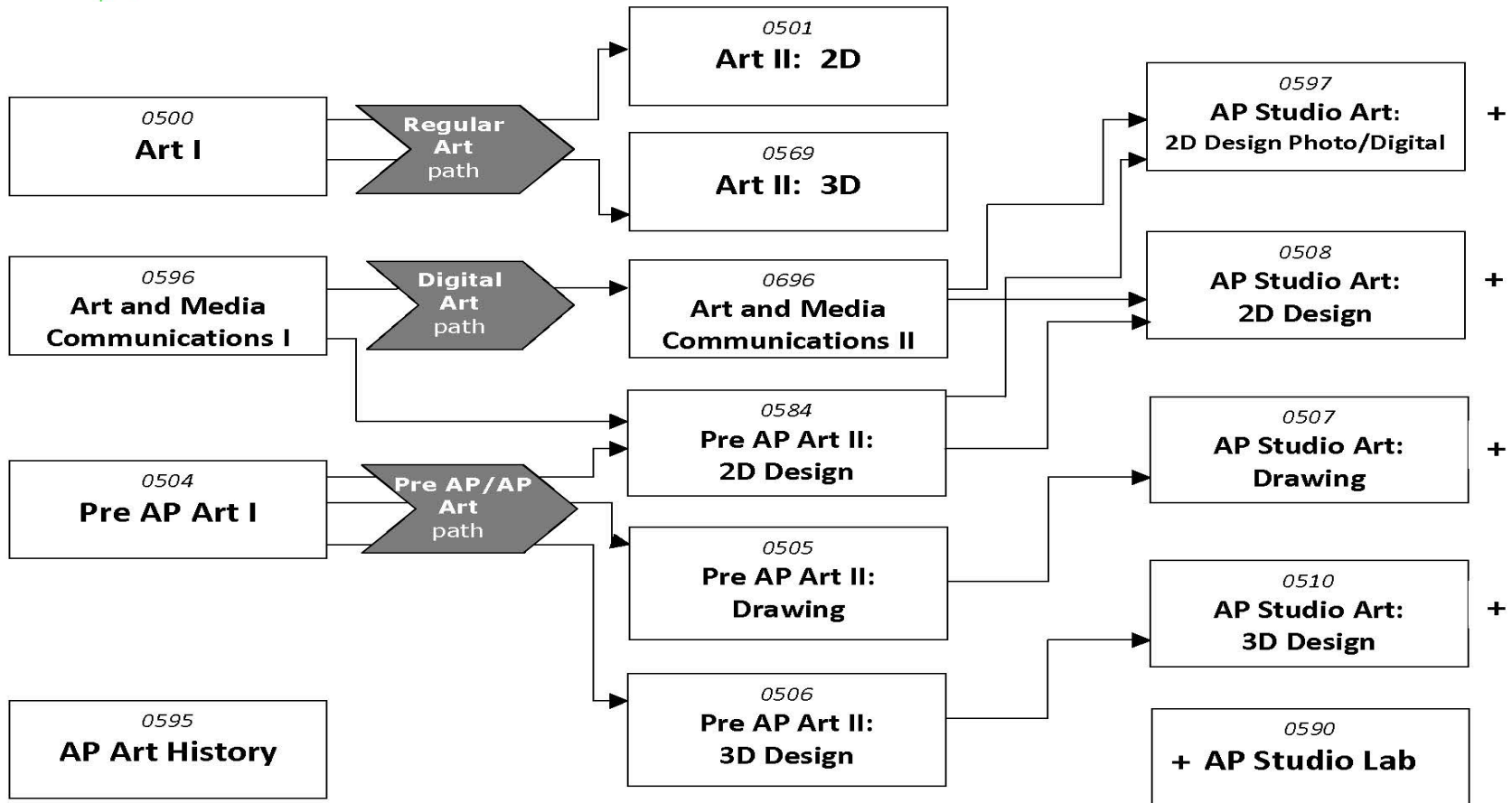
VISUAL ARTS


Possible career objectives for students with talent in the fine arts- VISUAL: Advertising, Animator, Interior Design, Illustrator, Ceramics, Fashion, Display Design, Environmental Designer, Set Designer, Architecture, Graphic Artist, Art Collector/Director, Art Historian/Art Teacher, Jewelry Design, Production Artist, Sculptor, Printer, Caricature Artist, Fiber Artist, and Photography

MISD Visual Art Courses Progression chart 2014-15

* With teacher approval, a student can jump from regular to Pre AP.

* + 0590 AP Studio Lab should be taken with any AP Studio course.



<p>ART I Grade Placement: 9-12 Course #: 0500 Prerequisite: none Fee required Credit: 1 unit</p>	<p>ART I is designed for all students who wish to develop their artistic skills. Students learn the foundation skills needed to create in any art medium. Lab Fee required</p>
<p>PRE-AP ART I Grade Placement: 9-12 Course #: 0504 Prerequisite: instructor approval from middle school and/or portfolio review Fee required Credit: 1 unit</p>	<p>PRE-AP ART I is a rigorous, sequential program for students with a serious interest in pursuing a college-level portfolio. The focus of this course will be an advanced curriculum designed to strengthen 2-D and 3-D studio interests. Lab Fee required</p>
<p>ART AND MEDIA COMMUNICATION I Grade Level: 9-12 Course #: 0596 Prerequisite: NONE Fee required Credit: 1 unit (elective only)</p>	<p>ART AND MEDIA COMMUNICATION I is an innovative course that combines rigorous, relevant, and experiential study of modern, post-modern, and contemporary visual art and design with student learning in media literacy and technology applications. THIS COURSE WILL NOT FULFILL YOUR FINE ARTS REQUIREMENT. It is a state approved elective only. Lab Fee required</p>
<p> ART AND MEDIA COMMUNICATION II Grade Level: 10-12 Course #: 0700 Prerequisite: Art and media communication Fee required Credit: 1 unit (elective only)</p>	<p>ART AND MEDIA COMMUNICATION II is an innovative course that builds upon the foundational skills taught in the Art and Media Communications I survey course and provides opportunities for students to apply knowledge of contemporary visual art and design practices with greater depth and complexity. Students learn how new media such as digital imagery, multimedia presentations, web videos, online and social media, virtual worlds, game designs, and animations intersect with contemporary art, specifically sculpture and installation art. Lab Fee required</p>
<p>ART II (2-D) Grade Placement: 10-12 Course #: 0501 Prerequisite: Art I portfolio and instructor approval Fee required Credit: 1 unit</p>	<p>ART II (2-D) Drawing is the one common denominator that unites all the visual arts. Students in this class will continue to refine their drawing and painting skills. A variety of 2-D subject matter and media will be used to visually express ideas. Lab Fee required</p>
<p>PRE-AP ART II DRAWING Grade Placement: 10-12 Course #: 0505 Prerequisite: Pre-AP Art I portfolio and instructor approval Fee required Credit: 1 unit</p>	<p>PRE-AP ART II DRAWING is a rigorous, sequential program for students with a serious interest in pursuing a college-level portfolio. The focus of this course will be the production of multiple images through advanced drawing, painting and composition skills. Lab Fee required</p>
<p>ART II (3-D) Grade Placement: 10-12 Course #: II-0569 Prerequisite: Art I portfolio and instructor approval Fee required Credit: 1 unit</p>	<p>ART II (3-D) examines the fundamentals of working with sculpture materials and methods in designing and creating 3-D forms. This environment is self-paced with guided instruction that requires discipline on behalf of the student. Lab Fee required</p>

<p>PRE-AP ART II (3-D) DESIGN Grade Placement: 10-12 Course #: 0506 Prerequisite: Pre-AP Art I portfolio and/ instructor approval Fee required Credit: 1 unit</p>	<p>PRE-AP ART II (3-D) DESIGN is a rigorous, sequential program for students with a serious interest in pursuing a college-level portfolio. Students will gain an understanding of the fundamentals of working with sculpture materials and methods in designing and creating 3-D forms. Lab Fee required</p>
<p>PRE-AP ART II: (2-D) DESIGN Grade Placement: 10-12 Course #: 0584 Prerequisite: Pre-AP Art I portfolio and/or instructor approval Fee required Credit: 1 unit</p>	<p>PRE-AP ART II (2-D) DESIGN is designed for the art students who wish to pursue college-level studies in art. It explores formal, expressive, and representational issues involved in artwork. Specific focus will be placed upon the integration of digital and traditional media. Artwork created in this class will be used to begin developing the AP 2-D Studio Art Portfolio. Lab Fee required</p>
<p>INDEPENDENT STUDIO Grade Placement: 10-12 Course #: 0590 Prerequisite: concurrent enrollment in AP Studio Art: 2-D, 3-D, or Drawing Credit: 1 local unit</p>	<p>INDEPENDENT STUDIO will offer essential time for students to complete assignments for their AP studio Art portfolios. This class will offer teaching guidance including critiquing artwork, so the students can meet the high standards of the AP portfolios. Students must be concurrently enrolled in an AP STUDIO ART Course. Lab Fee required</p>
<p>AP STUDIO ART: DRAWING Grade Placement: 10-12 Course #: 0507 Prerequisite: Pre-AP Art II (2-D) Drawing, and/or instructor approval Fee required Credit: 1 unit</p>	<p>AP STUDIO ART: DRAWING is designed for the art students who wish to pursue college-level studies in art. It explores formal, expressive and representational issues involved in artwork with specific focus on integration of digital and traditional media. The course requires up to 24 high-quality portfolio items by the beginning of May. <u>Students are required to take the Advanced Placement exam.</u> Lab Fee required</p>
<p>AP STUDIO ART: 2-D DESIGN Grade Placement: 10-12 Course #: 0508 Prerequisite: Pre-AP Art II (2-D), and/or instructor approval Fee required Credit: 1 unit</p>	<p>AP STUDIO ART: 2-D DESIGN is designed for the art students who wish to pursue college-level studies in art. It explores formal, expressive and representational issues involved in artwork with specific focus on integration of digital and traditional media. The course requires up to 24 high-quality portfolio items by the beginning of May. <u>Students are required to take the Advanced Placement exam.</u> Lab Fee required</p>
<p>AP STUDIO ART: 2-D DESIGN PHOTO/DIGITAL Grade Placement: 10-12 Course #: 0597 Prerequisite: Pre-AP Art II (2-D), and/or instructor approval Fee required Credit: 1 unit</p>	<p>AP STUDIO ART: 2-D DESIGN PHOTO is designed for the art students who wish to pursue college-level studies in photographic art or digital mass media communications. It explores contemporary and 21st century visual communication methods and avenues with a specific focus on digital visual representations. The course requires up to 24 High-quality portfolio items by the beginning of May. Students are required to take the Advanced Placement exam. Lab Fee required</p>
<p>AP STUDIO ART: 3-D DESIGN Grade Placement: 10-12 Course #: 0510 Prerequisite: portfolio; and/or instructor approval Fee required Credit: 1 unit</p>	<p>AP STUDIO ART: 3-D DESIGN is designed for the art students who wish to pursue college-level studies in art. It explores specific, formal, expressive and representational issues involved in artwork. The course requires up to 20 high-quality portfolio items by the beginning of May. <u>Students are required to take the Advanced Placement exam.</u> Lab Fee required</p>

AP ART HISTORY

Grade Placement: 11-12

Course #: 0595

Prerequisite: none

Credit: 1 unit

AP ART HISTORY is a chronological survey of architecture, painting, sculpture and photography of the Western tradition and selected works from some cultures beyond the European tradition. The sequential presentation of the artwork studies in the course begins in the Prehistoric period and ends with Post-Modernism. Students will study the artworks in a historical context addressing any issues such as politics, religion, patronage, gender, function and ethnicity; and in a visual context. Students will develop and practice clear writing skills and the language of art analysis. Students are required to take the Advanced Placement exam.

THEATRE ARTS

Possible career objectives for students with talent in the fine arts - THEATRE/DANCE: Actor, Costume Design, Lighting/Sound Technician, Producer, Set Designer, Theatre Manager, Choreographer, Lawyer, Critic, Broadcaster, Dancer, Playwright, Public Relations, Film/Stage Director, Teacher, Commercials, Politician, and Vocal Coach

<p>THEATRE ARTS I Grade Placement: 9-12 Course #: 0574 Credit: 1 unit</p>	<p>THEATRE ARTS I is an introductory course in stage production that focuses on giving students experience in acting, beginning theatrical studies and history of theater.</p>
<p>THEATRE ARTS II-IV Grade Placement: 10-12 Course #: 10th-0575; 11th-0576; 12th-0577 Prerequisite: previous level of theatre Credit: 1 unit</p>	<p>THEATRE ARTS II-IV is a continuing course in theatrical studies that concentrates on theory, technique and theatre history from an acting perspective. Students are required to participate in at least one public performance during the year.</p>
<p>TECHNICAL THEATRE I Grade Placement: 9-12 Course #: 0540 Prerequisite: none Credit: 1 unit</p>	<p>TECHNICAL THEATRE I is an introductory course in stage production that gives students experience in management, design, scenic and costume construction, and stage sound and lighting. <i>Students are expected to participate in several after school productions throughout the year.</i></p>
<p>TECHNICAL THEATRE II Grade Placement: 10-12 Course #: 0541 Prerequisite: Technical Theatre I and instructor approval Fee required Credit: 1 unit</p>	<p>TECHNICAL THEATRE II is a continuing course in stage production that gives students experience in management, design, scenic and costume construction and stage sound and lighting. Students are required to participate in public presentations throughout the year. <i>Students are expected to participate in several after school productions throughout the year.</i></p>
<p>TECHNICAL THEATRE III Grade Placement: 10-12 Course #: 0542 Prerequisite: Technical Theatre I, II and/or teacher approval Credit: 1 unit</p>	<p>TECHNICAL THEATRE III is an advanced production-based class that offers students the opportunity to further their knowledge in design and stage practicum. This class allows students to focus on certain areas of technical theatre study that include all facets of theatrical design, advanced set construction, advanced lighting and sound and advanced costume construction. <i>Students are required to participate in several school productions throughout the year.</i></p>
<p>TECHNICAL THEATRE IV Grade Placement: 10-12 Course #: 0543 Prerequisite: Technical Theatre I, II and/or teacher approval Credit: 1 unit</p>	<p>TECHNICAL THEATRE IV is an advanced production-based class that offers students the opportunity to further their knowledge in design and stage practicum. This class allows students to focus on certain areas of technical theatre study that include all facets of theatrical design, advanced set construction, advanced lighting and sound and advanced costume construction. The class also assists students in preparing for a career in technical theatre or design, and in preparation for UIL design contests. <i>Students are required to participate in several school productions throughout the year.</i></p>

<p>THEATRE PRODUCTION I-IV Grade Placement: 9-12 Course #: I-0551; II-0552; III-0553; IV-0555 Prerequisite: teacher approval Credit: 1 unit</p>	<p>THEATRE PRODUCTION I-IV is an advanced course in stage production that offers students further experience in acting and performance while incorporating both the historical perspective and future opportunities for students. Students will also explore alternative acting and professional theatrical careers as well as college auditions. <i>Significant outside class work is required</i></p>
<p>MUSICAL THEATRE Grade Placement: 10-12 Course#: 0544 Prerequisite: teacher approval and previous enrollment in any theatre, choir, or dance course Fee required Credit: 1 unit</p>	<p>MUSICAL THEATRE is an introduction to the disciplines of musical theatre. Creative acting exercises, basic vocal technique and dance will be explored and culminate with a class performance. This course will help prepare students for a career in musical theatre. Students will review the history of musicals, assess different career options and receive training in audition techniques and resume preparation. The course will also provide instruction on the three main elements of musical theatre song, drama and dance – and create a framework in which these are blended into an individualized performance style.</p>
<p>THEATRE DIRECTING Grade Placement: 12 Course #: 0560 Prerequisite: instructor approval and concurrent enrollment of Theatre Production II or Technical Theatre IV Credit: 1 unit</p>	<p>THEATRE DIRECTING is a varsity-level course in stage production that concentrates on the process of directing a production from beginning preproduction, casting, production and postmortem. Each student will direct a show presented to the public.</p>

DANCE

<p>JUNIOR VARSITY DRILL TEAM Grade Placement: 9-12 Course #: 9th 0634; 10th 0635; 11th 0636; 12th 0637 Prerequisite: none Credit: 1 unit fine arts; 1 unit PE <i>Student will receive credits for the first year only</i></p>	<p>JUNIOR VARSITY DRILL TEAM prepares students in specific skills associated with varsity dance team. Students will have the opportunity to perform at a variety of venues. Junior Varsity Drill team membership requires weekly after hours practice and students must maintain passing grades to remain eligible. <i>Students do not have to audition for this course. Students will receive a full fine arts credit and full PE credit.</i></p>
<p>VARSITY DRILL TEAM Grade Placement: 9-12 Course #: 9th-0630; 10th-0631; 11th-0632; 12th- 0633 Prerequisite: audition and instructor approval Credit: 1 unit fine arts; 1 unit PE for the first year</p>	<p>VARSITY DRILL TEAM is a precision performing group. Performance may include athletic events, competitions, community events, and stage shows. <i>Students will receive a full fine arts credit and full PE credit the first year in this program. Each subsequent year, in this program, students will receive a fine arts credit for up to a maximum of 4 credits in dance.</i></p>
<p>AEROBIC DANCE Grade Placement 9-12 Course # 0653 Prerequisite: None Credit: 1unit PE</p>	<p>AEROBIC DANCE is designed for students with a desire to learn about dance as a means of fitness and as an art. Students are introduced to all basic dance principles and fitness education by way of the conditioning and movement of dance. This class requires specific attire and may require one out of school performance. Students will not get a Fine Arts credit for this course</p>
<p>STUDIO DANCE I Grade Placement: 9-12 Course #: 0654 Prerequisite: None approval Credit: 1 unit</p>	<p>STUDIO DANCE I Students will acquire vocabulary and skills in ballet, jazz, modern, tap, hip hop and other genres. Dance history, choreography and performance skills will be introduced. This course will be counted as fine arts credit</p>
<p>STUDIO DANCE II-IV Grade Placement: 10-12 Course #: 10th-0655; 11th-0656; 12th-0657 Prerequisite: instructor approval or Studio Dance I Credit: 1 unit</p>	<p>STUDIO DANCE II-IV is a continuation of Dance I using advanced skills and concepts. Class size will be limited. This course will be counted as an elective.</p>
<p>TECHNICAL DANCE I-IV Grade Placement: 9-12 Course #: 9th-0670; 10th-0671; 11th-0672; 12th-0673 Prerequisite: audition Credit: 1 unit</p>	<p>TECHNICAL DANCE I-IV is focused on the advanced dancer. An emphasis will be placed on style, technique and choreography. This class will also allow students to explore and prepare for different avenues of dance performance beyond high school. Class size will be limited. This course can be counted as fine arts credit.</p>
<p>DANCE PERFORMANCE ENSEMBLE Grade Level: 10-12 Course #: 10th-0658;11th-0659;12th-0660 Prerequisite: Dance Team and teacher approval Credit: 1 unit (elective only)</p>	<p>Dance Performance Ensemble is an intense interdisciplinary program that combines performance elements such as dance, music, costume, and theatrical design with performance opportunities for small dance ensembles. In order to enroll in this class a student must be also be concurrently enrolled in Varsity Drill Team. This course will not fulfill your Fine Arts requirement for graduation. This course will count as a state approved elective.</p>

GENERAL ELECTIVES

<p>AVID I-IV (Advancement Via Individual Determination) Grade Placement: 9-12 Course #: 9th-0797; 10th-0798; 11th-0799; 12th-0792 Prerequisite: must be identified as an AVID student through an application and interview process Credit: 1 unit</p>	<p>AVID I-IV (Advancement Via Individual Determination) prepares students in the academic middle for college eligibility and success. Students receive instruction in writing, inquiry, collaboration and reading strategies in addition to note-taking and organizational skills that are necessary for academic success. AVID students must enroll in at least one Pre-AP or AP course in addition to the AVID elective class. Tutors are provided during the AVID class to support student success in all courses.</p>
<p>SAT PREP Grade Placement: 11 Course #: 0746 Prerequisite: none Fee required Credit: .5 local unit</p>	<p>SAT PREP assists students with preparation for testing. Instruction will include mathematics, language arts and test-taking skills.</p>
<p>STUDENT GOVERNMENT LEADERSHIP Grade Placement: 9-12 Course #: 0791 Course #: 0796 local credit Prerequisite: instructor approval Credit: 1 unit</p>	<p>STUDENT GOVERNMENT LEADERSHIP focuses on leadership training through practical experiences. Students utilize the class time to plan, organize and coordinate student council and school activities such as newcomer orientation, homecoming, food and blood drives and prom. Topics such as group interaction, organization skills, communication and goal setting are covered. This course is required for all student council executive and class officers. <i>A maximum of 1 credit can count toward state graduation requirements and GPA. Students may take this course after year one for local credit only with no GPA.</i></p>
<p>TEEN LEADERSHIP Grade Placement: 9-12 Course #: 0790 Prerequisite: none Credit: .5 unit</p>	<p>TEEN LEADERSHIP is a character education and leadership development course that includes leadership skills, personal responsibility, principle-based decision-making, social skills, communication skills and goal setting.</p>
<p>PALS I (Peer Assistance and Leadership) Grade Placement: 11-12 Course #: 0794 Prerequisite: application, advisory committee approval Credit: 1 unit</p>	<p>PALS I (Peer Assistance and Leadership) is implemented as a peer-helping program in which selected high school students are trained to work as peer facilitators with younger students on their own campuses and/or from feeder middle and elementary schools. Participants are trained in a variety of helping skills that enables them to assist other students in having a more positive and productive school experience. The course serves the dual purposes of providing practical knowledge and skills, as well as actual field experience for students potentially interested in careers in education or other service professions. PALS use positive peer influence as a central strategy for addressing dropouts, substance abuse prevention, teen pregnancy and suicide, absenteeism and other areas of concern.</p>
<p>PALS II (Peer Assistance and Leadership) Grade Placement: 11-12 Course #: 0795 Prerequisite: PALS I, application and instructor approval Credit: 1 unit</p>	<p>PALS II (Peer Assistance and Leadership) incorporates all the essential elements of the first-year class with emphasis on higher-level projects and skills, such as assistance with training of first-year peer helpers, peer mediation and conflict resolution, community service, group facilitation and accelerated service delivery. These peer helpers will assist feeder schools in the implementation and management of conflict management teams.</p>

<p>SPORTS MEDICINE I Grade Placement: 9-12 Course #: 3215 Prerequisite: none Credit: 1 unit</p>	<p>SPORTS MEDICINE I is a study and application course that gives students an overview of human anatomy and sports medicine to aid in future medical and allied health careers. <i>This class does NOT satisfy a PE credit for state graduation.</i></p>
<p>SPORTS MEDICINE II (ATHLETIC TRAINING) Grade Placement: 10-12 Course #: 3217 Prerequisite: Sports Medicine I Credit: 1 unit</p>	<p>SPORTS MEDICINE II (ATHLETIC TRAINING) incorporates all the essential elements of the first-year class with emphasis on higher-level skills. <i>This class does NOT satisfy a PE credit for state graduation.</i></p>
<p>SOCIOLOGY Grade Placement: 9-12 Course #: 0769 Prerequisite: none Credit: .5 unit</p>	<p>SOCIOLOGY provides a systematic approach to the study of group dynamics and models of individual and group relationships. The functionalist, conflict and symbolic inter-actionist perspectives are evaluated in this introductory course. Topics include the history of sociology, research methods, social structure, deviance, prejudice, beliefs, the family and religion. <i>This class will NOT satisfy the social studies requirement for graduation.</i></p>
<p>PSYCHOLOGY Grade Placement: 9-12 Course #: 0767 Prerequisite: none Credit: .5 unit</p>	<p>PSYCHOLOGY introduces the student to the science of psychology with emphasis on human behavior. This course includes the study of facts involved in human development, learning and thinking, intelligence, personality, abnormal behavior and treatment and careers in psychology. <i>This class will NOT satisfy the social studies requirement for graduation.</i></p>
<p>AP PSYCHOLOGY Grade Placement: 10*-12 Course #: 0774 Prerequisite: 2 credits of Social Studies; *Grade 10 successful completion of Psychology 0767 in prior Fall Semester</p>	<p>AP PSYCHOLOGY introduces students to the systematic and scientific study of the behavior and mental processes of human beings and animals. The course consists of the psychological facts, principles and phenomena associated with each of the major sub-fields within psychology. <i>This class will NOT satisfy the social studies requirement for graduation. Students are required to take the Advanced Placement exam.</i></p>
<p>INTERIOR DESIGN Grade Placement: 10-12 Course #: 0917 Prerequisite: none Credit: .5 unit</p>	<p>INTERIOR DESIGN is a technical course that addresses the needs of individuals by enhancing the environments in which they live and work. Students will use knowledge and skills related to interior and exterior environments, construction and furnishings to make wise consumer decisions, increase productivity and prepare for careers in the interior design field.</p>
<p>CREATIVE WRITING Grade Placement: 11-12 Course #: 0779 Prerequisite: none Credit: .5 unit</p>	<p>CREATIVE WRITING provides an array of opportunities for creative written expression: poetry, short fiction, vignette, autobiography, dramatic and screen writing are included. Students will perfect their critical-reading skills through reading, discussion and writing assignments. Also they will learn the conventions of critique and collaboration in a workshop setting.</p>
<p>READING I, II Grade Placement: 9-12 Course #: I-0101, II-0102 Prerequisite: instructor/counselor approval Credit: .5 or 1 unit</p>	<p>READING I, II offers students sequential, multisensory instruction in word recognition, comprehension strategies and vocabulary development to ensure high school students have an understanding. Students will locate information in varied resources, read critically and to draw supportable conclusions.</p>



LEADERSHIP EDUCATION (JROTC)

Possible career objectives for students with Leadership Education training: Executive Leadership, Management, Ambassador, Civilian Service, Government, Public Relations, Logistics, Operations, Consultant, Politician/Political Analyst/Political Strategist, Analyst, Historian, Project Coordinator, or thousands of other civilian-parallel Military Occupational Specialties within the Armed Services

ENROLLING IN LEADERSHIP EDUCATION

Students wishing to participate in the Leadership Education courses are required to join the Junior Reserve Officers Training Corps (JROTC) program, currently offered only at McKinney High School (MHS). Students who wish to participate in JROTC must be enrolled as students of MHS.. Thus, all students participating in JROTC must be students of McKinney High School. Students not currently enrolled at MHS or not zoned to attend MHS, must complete an application for a programmatic transfer to MHS and include the JROTC Letter of Eligibility signed by the student's current Principal/Principal's designee as part of the application for programmatic transfer. To be eligible to participate in JROTC, students must complete the JROTC Letter of Eligibility and provide a physical from a medical doctor certifying the student is healthy enough to participate in JROTC. Students must have health insurance or purchase health insurance in order to participate in JROTC. Students will present proof of health insurance as part of the JROTC Letter of Eligibility.

CONTINUING IN LEADERSHIP EDUCATION

Participation in Leadership Education courses and JROTC is a privilege. Students admitted into Leadership Education courses/the JROTC program must maintain satisfactory academic, disciplinary and attendance standards. Students failing to maintain satisfactory academic, disciplinary and attendance standards may be removed from JROTC and Leadership Education courses upon the request of the JROTC Instructor. If the student is attending McKinney High School based on a programmatic transfer for JROTC, the student's transfer to MHS may be revoked upon request from a McKinney High School Administrator.

Students may not be placed in Leadership Education courses without the approval of a JROTC Instructor. *(Exception: Students who complete an LE course at MHS in good standing or who enroll at MHS in good standing with current placement in a JROTC program or Leadership Education course are automatically approved for enrollment in the Leadership Education course at MHS.)* Students in JROTC are required to wear their uniform at least once per week. Wearing of the uniform must comply with the standards set forth by the JROTC instructors. Care and maintenance of all JROTC uniforms and equipment are the responsibility of the student and the parent who has agreed to allow their student to participate in the program.

<p>LEADERSHIP EDUCATION I (JROTC I) Grade Placement 9-12 Course #: 0695 (with PE) 0697 (without PE) Prerequisite: 8th grade Credit: 1 unit</p>	<p>LEADERSHIP EDUCATION I is the study of origins of leadership, ethics, morals and values. Students examine their own leadership beliefs through activities in introspection and situational analysis along with military leadership traits. Patriotism, citizenship, basic rights, physical fitness, personal health, hygiene and nutrition are key components of LE1. Other topics studied include public service, general military subjects including rank and structure, chain of command, first aid, marksmanship and the history of the Marine Corps. Personal professional appearance and the wearing and care of uniforms and equipment are also an ongoing focus of the introductory LE course.</p>
<p>LEADERSHIP EDUCATION II (JROTC II) Grade Placement 9-12 Course #: 0697 Prerequisite: Completion of JROTC I Credit: 1 unit</p>	<p>LEADERSHIP EDUCATION II is the study of the objectives of leadership, responsibilities and accountability of leaders, and the motivational principles and techniques of leaders. The role of the Officer and NCO as leaders is studied. An in-depth analysis of the Freedom Documents, US flag, the American Seal and other symbols of freedom and citizenship are a focus in this course along with principles of National Defense, Branches of Gov't, political systems and current events. Students enrolled in LE2 will learn advanced knowledge in ongoing topics of focus including communication (written and oral), health and personal hygiene, wear and care of the uniform, land navigation, the UCMJ, marksmanship, organizational leadership, career exploration and topics of American war history.</p>
<p>LEADERSHIP EDUCATION III (JROTC III) Grade Placement 9-12 Course #: 0698 Prerequisite: Completion of JROTC II Credit: 1 unit</p>	<p>LEADERSHIP EDUCATION III is an advanced course in leadership education studies. The focus in this course is on leading organizations and teams. Leaders will learn to conduct individual and team training, inspections, and performance evaluations. Students will analyze and study various leadership styles. Other topics include advanced study of the roles of the President and Congress in national defense during and in between wars, Personal Finance, College and Career preparation, public service, Reward Systems (medals and ribbons), advanced marksmanship safety and range operations, advanced land navigation techniques and equipment, Military career pathways, and the history and rank structure of other Armed Services.</p>
<p>LEADERSHIP EDUCATION IV (JROTC IV) Grade Placement 9-12 Course #: 0699 Prerequisite: Completion of JROTC III Credit: 1 unit</p>	<p>LEADERSHIP EDUCATION IV (LE4) is the culminating course in the Leadership Education pathway. Students in this course will study organizational conflict and resolution topics including sexual harassment, fraternization and equal opportunity. The role of the leader in leading effective and efficient organizations is a primary focus in this course. Leaders focus on management, research, instruction, wellness, morale, and the roles and responsibilities of others. Transition to post high school is an area of intense focus and preparation. Students will take the ASVAB test, prepare their resume, conduct mock interviews, research college entrance requirements and other career interest studies. To better understand the differences between civilian law and the military system of law, students will conduct a mock trial based on the Uniformed Code of Military Justice (USMJ).</p>

DUAL CREDIT COURSES

Qualified students may be enrolled simultaneously in McKinney Independent School District and Collin College to receive high school as well as college credit for designated Collin College courses. Students must receive a grade of 70 or above to obtain high-school credit for the course. Students must obtain signature approval from their assigned counselors prior to Collin College admission. **Students are responsible for all books, fees and tuition at the college and must pass the TSI (Texas Success Initiative) college entrance exam to enroll. Students MUST provide their own transportation to and from designated facility where course is taught.**

Applicants for dual credit must meet Collin College placement criteria.

- Be on track to graduate within four years of beginning high school
- Maintain overall GPA of 3.0

For a description of dual credit courses please go the content areas.

The following courses are available for dual credit:

- English Composition/Rhetoric (ENGL 1301 and ENGL 1302)
- College Algebra (MATH 1314)
- Calculus for Business and Economics I (MATH 1325)
- Earth and Space Science (GEOL 1401 and PHYS 1403)
- U.S. History (HIST 1301 and HIST 1302)
- Principles of Macroeconomics (ECON 2301)
- American Government (GOVT 2305)
- Advertising and Sales Promotion (MKTG 2349)
- Practicum in Health Science EMT program (EMSP 1371 and EMSP 1501)
- Information Technology (CMPT 1405, ITNW 1358, ITSY 1400, ITCC 1301, and ITCC 1304)

PHYSICAL EDUCATION

In physical education courses students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity and access to an active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical activity and health throughout the lifespan.

Physical Fitness Assessment – Fitnessgram

In the 82nd Legislative 2011, HB 400 was passed as a part of SB 8, limiting a school district's required annual physical fitness assessment to students in grade three or higher who are enrolled in a course that satisfies the curriculum requirements for physical education, including substitutions, equivalents and waivers. The Fitnessgram assessment instrument will contain criterion-referenced standards specific to a student's age and gender based on the physical fitness level required for good health. Good health components will include an aerobic capacity, body composition, muscular strength, muscular endurance and a flexibility assessment.

<p>FOUNDATIONS OF PERSONAL FITNESS Grade Placement: 9-12 Course #: 14321 Prerequisite: none Credit: .5 unit</p>	<p>FOUNDATIONS OF PERSONAL FITNESS is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught include the process of becoming fit, as well as achieving some degree of fitness. The concept of wellness or striving to reach optimal levels of health is the cornerstone of this course and is exemplified by one of the course objectives: students designing their own personal fitness program. Target areas of study are: understanding the principles of physical fitness, flexibility, muscle fitness, cardiovascular fitness, aerobic activity and nutrition. <i>This course may only be taken one time.</i></p>
<p>ADVENTURE/OUTDOOR EDUCATION Grade Placement: 9-12 Course #: 14311 Prerequisite: none Credit: .5 unit</p>	<p>ADVENTURE/OUTDOOR EDUCATION develops competencies in outdoor educational activities that provide opportunities that are enjoyable as well as challenging. Outdoor education learning takes place both indoors and outdoors to enable students and teachers to interact in an environment free from the limitations of the classroom. Activities include adventure education, camping, fishing, orienteering and swimming. First aid (CPR certification), boater safety and some aspects of outdoor recreation. <i>This course may only be taken one time.</i></p>
<p>AEROBIC ACTIVITIES Grade Placement: 9-12 Course #: 14271 Prerequisite: none Credit: .5 unit</p>	<p>AEROBIC ACTIVITIES introduces students to a variety of fitness activities designed for a lifetime of physical fitness by emphasizing muscular endurance training for the upper body, lower body and abdominals. Students will learn flexibility exercises, understand and demonstrate the proper techniques of taking a pulse and calculations of maximum heart rate, use of dumbbells, soft weights, tubing, steps, small medicine balls, stability balls and body resistance to challenge every major muscle group in the body. Varieties of cardiovascular exercise will be learned to round out the aerobic training. <i>This course may only be taken one time.</i></p>
<p>INDIVIDUAL SPORTS Grade Placement: 9-12 Course #: 14291 Prerequisite: none Credit: .5 unit</p>	<p>INDIVIDUAL SPORTS motivates students to strive for lifetime personal fitness with an emphasis on individual sports, skills and positive social interaction during activities. Students will learn fundamental skills, basic strategies and knowledge of rules and playing courtesies developed for selected individual sports. This class will focus on individual sports activities such as, but not limited to, badminton, tennis, ping-pong, horseshoes, bocce ball and other traditional individual sports skills. <i>This course may only be taken one time.</i></p>

<p>TEAM SPORTS Grade Placement: 9-12 Course #: 14281 Prerequisite: none Credit: .5 unit</p>	<p>TEAM SPORTS students will participate in a variety of team sports that will help develop and maintain a high level of fitness. Students will learn fundamental skills, basic strategies, knowledge of rules and playing courtesies developed for selected team sports. Social development will also be an important part of the class. Activities will include ultimate Frisbee, pickle ball, team handball, kickball, Whiffle ball, soccer, softball, basketball, football and more. <i>This course may only be taken one time.</i></p>
<p>PARTNERS PHYSICAL EDUCATION Grade Placement: 9-12 Course #: 14261 Prerequisite: application, interview and instructor approval Credit: .5 unit</p>	<p>PARTNERS PHYSICAL EDUCATION is a success-oriented physical-education program featuring supervised peer tutors and individualized learning and instruction. Through a variety of physical fitness activities, all students will learn to appreciate physical fitness. This course addresses the unique physical education needs of students in a setting that allows for positive interaction with peers. Students must work with their special buddy, be encouraging at all times and dress appropriately for activities. All students will be involved in Special Olympics activities throughout the year. <i>Students must apply for this course.</i></p>
<p>AEROBIC DANCE Grade Placement 9-12 Course # 0653 Prerequisite: None Credit: 1 unit PE</p>	<p>AEROBIC DANCE is designed for students with a desire to learn about dance as a means of fitness and as an art. Students are introduced to all basic dance principles and fitness education by way of the conditioning and movement of dance. This class requires specific attire and may require one out of school performance. Students will not get a Fine Arts credit for this course</p>

PHYSICAL EDUCATION SUBSTITUTIONS:

MISD students are allowed, under Board Policy, to substitute certain physical activities for the 1.0 required units of physical education. Such a substitute shall be based on the physical activity involved in:

1. Drill Team – 1 full credit for year 1
2. Cheerleading - .5 credit fall semester year 1 and year 2
3. Marching Band - .5 credit fall semester year 1 and year 2
4. Color Guard - .5 credit fall semester year 1 and year 2
5. Athletics
6. Off-Campus PE (see description below)

<p>Off-Campus PE: Course#: 14331 Prerequisite: preapproval Credit: 1 PE unit 1st year; 2nd year and after receive elective credit Fee required</p>	<p>Off-Campus PE The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to capabilities and to allow those students to be involved in a program that provides training exceeding that offered in the school district. The student taking this course for physical education credit may NOT be enrolled in another physical education class or athletics while participating in the Off-Campus Physical Education Program. A maximum of 4 credits can be earned towards state high school graduation requirements. A student interested in this program should contact his/her campus counselor for application and guidelines concerning off-campus physical education.</p>
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One State credit shall be awarded for physical education for appropriate private or commercially sponsored physical activity programs conducted either on or off-campus upon approval of district administration.

Such approval may be granted under the following conditions:

- A. Olympic-level participation and/or competition that includes a minimum of 15 hours per week of highly intensive professional, supervised training. The training facility, instructors, and the activities involved in the program must be certified

by the superintendent to be of exceptional quality. Students qualifying and participating at this level may be dismissed from school one hour per day.

- B. Private or commercially sponsored physical activities that include those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least 10 hours per week is required. Students certified to participate at this level, MAY NOT be dismissed from any part of the regular day.

The student must participate a minimum of four days during the week (Monday through Friday) plus an additional day that may fall on either the weekend or during the week. Participation must always be under the direct supervision of the instructor. ***No off-campus program will be allowed if located more than 25 miles from the McKinney ISD Administration Building***

ATHLETICS

Athletics is intended for students interested in playing competitive sports. Athletic participation is a privilege, not a right, and student athletes are held to a higher standard of conduct.

The following sports are available at the high school level:

Baseball
Basketball
Cross Country
Diving
Football
Golf
Powerlifting

Soccer
Softball
Swimming
Tennis
Track and Field
Volleyball
Wrestling

<p>Grade Placement: 9-12 Prerequisite: coach's approval Credit: .5 unit state physical education credit per semester (vs. credit up to a maximum of 4 credits)</p>	<p>Students participating in McKinney ISD athletics are REQUIRED to have a yearly physical and complete all appropriate paperwork prior to participation in tryouts, practices, and games. Physicals must be on or after April 1, 2014 for participation in athletics for the 2014-2015 school year. Physicals must be completed on the official UIL physical form. MISD athletics will provide three opportunities for students to receive a physical at a cost of \$20 in April and May. Student athletes meeting all of the free or reduced lunch requirements will be given the opportunity to receive a physical for free or at a reduced rate.</p> <p>Athletes must be able to attend practices and games before school, after school, and Saturdays. Some sports may require tryouts and/or practice sessions prior to the beginning of school in August. Many athletic programs require prior approval by the coach and/or participate in a tryout. All students involved in extracurricular activities are required to be involved in the MISD Random Student Drug Testing Program. Any questions concerning participation should be addressed to the specific coach or campus athletic coordinator. According to UIL rules student athletes must maintain a 70 average in all of their classes to remain eligible for competition.</p>
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HEALTH

<p>HEALTH Grade Placement: 9-12 Course #: 0760 Prerequisite: none Credit: .5 elective unit</p>	<p>HEALTH is a district-required course for graduation. Students learn health concepts recommended for comprehensive health instruction. This semester course includes instruction in mental health, family and social health, the life cycle, body systems, personal health and physical fitness, nutrition, medicines and drugs, diseases and disorders, community and environmental health, consumer health and safety and emergency care.</p>
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IMPORTANT CONTACT NUMBERS

Administrative Services Group	469-302-4208
ARAMARK (Food Services)	469-302-4263
Business Office	469-302-4026
Club 360	972-569-6235
Communications	469-302-4095
Counseling and Student Support	469-302-7708
Durham School Bus Transportation	972-542-8316
Facilities/Transportation	469-302-4110
Federal Programs	469-302-4134
Human Resources	469-302-4117
Learner Support-Elementary	469-302-4036
Learner Support-Secondary	469-302-4187
McKinney Education Foundation	469-302-6313
Purchasing	469-302-4009
Special Populations	469-302-6302
Strategic Planning and Counseling	469-302-4109
Substitute Services	469-302-4120
Technology	469-302-4056

McKinney Boyd High School

600 N. Lake Forest Drive
McKinney, TX 75071
469-302-3400

McKinney High School

1400 Wilson Creek Parkway
McKinney, TX 75069
469-302-5700

McKinney North High School

2550 Wilmeth Road
McKinney, TX 75071
469-302-4300



MCKINNEY
INDEPENDENT SCHOOL DISTRICT