



CARDINAL
GIBBONS
HIGH SCHOOL

COURSE OF STUDIES
2011 - 2012

PURPOSE

This guide is to assist students, parents and school personnel in the important task of planning an educational program that meets both individual needs and future plans. Course selection should be made with a four year program in view. Requirements both for high school graduation as well as for college entrance should be kept in mind. School personnel are available to assist students individually in course selection.

GENERAL INFORMATION

Registration for courses takes place in February. It begins with an assembly and the distribution of Course Selection Sheets.

Registration Fees

- A registration fee of \$100 is due with the completed course selection form by the registration deadline. This nonrefundable down payment reserves a student's place in class for the coming year.
- Course selections made at registration may not be changed except with approval from the administration and requires a \$75 fee. See Course Changes and Withdrawals.

Registration Requirements and Conditions

When registering for classes, students and parents should take a four-year view, keeping in mind graduation requirements and college entrance requirements. School personnel are available to assist students individually in selecting courses.

Keep the following points in mind when planning an academic program:

- The required minimum course load is six courses.
- The school reserves the right to place students in the grade level and subjects most appropriate for their school experience.
- The school reserves the right to drop elective courses for which there is insufficient enrollment or no teacher available.
- Students must obtain all necessary approval signatures before enrolling in a particular course. Review the individual course descriptions (see the **Department pages**) to determine which courses require prior approval of the department or instructor.

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- Seniors who have demonstrated superior overall performance during their high school career and who have secured parental and administration permission may take a course at **North Carolina State University** or another approved educational institution. This course must be one not available in the high school curriculum. College courses do not give high school credit.

Course Changes and Withdrawals

All course changes require written approval from a student's parent and the school administration. Faculty assignments are based on student registration requests made during the previous spring, and it is difficult to reassign faculty members when class enrollments change unexpectedly. Therefore, course changes are approved only for sound academic reasons. Course changes are subject to a \$75.00 fee, which must be paid before the change takes place.

GENERAL INFORMATION

Deficiencies in credit must be made up in summer school. Ordinarily these credits may not be made up by carrying additional courses during the school term or by retaking the courses at Cardinal Gibbons.

A student who fails a required course must make up that course in summer school before returning to Cardinal Gibbons in the winter.

A student who fails an elective course may not repeat that course at Cardinal Gibbons. Any student who fails three or more courses (required or elective) in a given semester or academic year may be asked to withdraw from Cardinal Gibbons.

Summer School

Required courses must be taken at Cardinal Gibbons and not in summer school for original credit.

No mathematics courses may be taken in summer school for original credit.

TYPES OF COURSES

Cardinal Gibbons offers three types of courses:

College Preparatory

The courses at Cardinal Gibbons High School are designed for students enrolled in a college preparatory program.

Honors

These courses represent an academic challenge for students and are weighted. Students are placed in these courses by recommendations of the respective departments.

Advanced Placement (AP)

These courses are weighted and present college-level material according to the course requirements of the College Board Advanced Placement Program. They conclude with the Advanced Placement examinations. Students who perform successfully on the AP examination may receive college credit. All students in AP Courses must take the AP Exam in May. Students are placed in these courses by recommendation of the respective departments.

AP Courses require a fee set by the College Board. This fee is separate from tuition fees. Parent(s) will be billed for this fee in the Winter by the Business office.

REQUIRED COURSES

Freshman Year

Theology 9
English 9 or Honors
Math
Biology or Honors
Health (semester)
Physical Education (semester)
World Geography (semester)
Typing/Keyboarding (semester)

Junior Year *

Theology
English 11 or Honors, or AP
American History or Honors or AP
Math
Science

Sophomore Year *

Theology 10
English 10 or Honors
Math
Science
World History or Honors, or AP
Fine Arts

Senior Year

Theology
English 12 or Honors or AP
US Government or Honors or AP
Economics or Honors
Math

Note: 1 credit in Fine Arts is required for graduation.

*Foreign Language must be started in junior year if not before

GRADUATION REQUIREMENTS

Minimum requirements for Graduation:

24 credits (for students at CGHS for 4 years):

- 4 credits in Theology (one credit for each year in attendance)
- 4 credits in English
- 4 credits in Mathematics (one credit must be above Algebra II)
- 3 credits in Science (one must be in Biology; one must be a Physical Science:
 - Chemistry is recommended)
- 3 1/2 credits in Social Studies
- 2 credits in the same Foreign Language
- 1 credit in Fine Arts
- 1 credit in Health and Physical Education (must be taken in grade 9)
- 1/2 credit in Keyboarding or Computer Skills

MINIMUM UNDERGRADUATE ADMISSIONS REQUIREMENTS

The minimum undergraduate admissions requirements at all 16 constituent institutions of the University of North Carolina will consist of the following:

- A high school diploma or its equivalent
- Four (4) course units in college preparatory English
- Four (4) course units in mathematics, including: Geometry, Algebra I, Algebra II and a course beyond Algebra II
- Two (2) course units in social studies, including one (1) unit in U.S. History and one (1) unit in Government and Economics
- Three (3) course units in science, including at least one (1) unit in Life/Biological Science, one (1) unit in a Physical Science, and at least one (1) Laboratory course
- Two (2) course units in the same Foreign Language

Individual constituent institutions may require other courses in addition to the minimum requirements and, therefore, prospective students should refer to the catalogs and contact the admissions offices of any institutions to which they plan to apply. In determining the admissibility of each applicant, constituent institutions also consider factors other than courses completed, such as high school grades, rank in class, scores on college entrance examinations, recommendations and student activities.

NORTH CAROLINA STATE BOARD OF EDUCATION NORTH CAROLINA SCHOLARS' PROGRAM

Students must have an overall four year grade point average of 3.0 on a 4.0 scale (unweighted), and must meet the following course requirements:

Academic Scholars Program Course of Study

The Academic Scholars Program will consist of a single plan as outlined below:

Units	Program Area
4	English
3	Mathematics (Algebra I, Geometry, Algebra II or one unit of advanced mathematics for which Algebra II is a PRE-REQUISITE - three (3) units must be taken in grades 9-12)
3	Science (Biology, Chemistry, Physics or one other advanced science in lieu of Physics, i.e. Honors/AP Science)
3	Social Studies (Government/Economics, U.S. History, one world studies course)
2	Foreign Languages (two levels of the same language)
1	Health/Physical Education
2	Additional units selected from among English, Mathematics, Science, Social Studies or Foreign Language courses
4	Electives
22	

DEPARTMENT COURSE OFFERINGS 2011 - 2012

BUSINESS DEPARTMENT

*Scholastic Tech. Skills	9,10,11,12
*Computer Skills	9,10,11,12
*Automated Accounting/ Business Ethics Honors	11,12
*Marketing & Finance Honors	11,12

COMPUTER SCIENCE DEPARTMENT

^Intro to Game Programming in Java	9, 10, 11, 12
CCNA Discovery I	9, 10, 11, 12
CCNA Discovery II Honors	10, 11, 12
Advanced CCNA Honors	11, 12
Advanced Game Programming Honors	10, 11, 12

ENGLISH DEPARTMENT

English 9	
English 9 Honors	
English 10-American Literature	
English 10 Honors-American Lit.	
English 11-British Lit.	
English 11 Honors-British Lit.	
English 12-World Literature	
English 12 Honors-World Lit.	
+AP English - Lit. & Comp.	12
+AP English Language/Composition	11
*^Introduction to Film	
*^Holocaust Literature	11, 12
*^Creative Writing	10, 11, 12
Lift Every Voice	10, 11, 12

FINE ARTS DEPARTMENT

^Drama I	9,10, 11, 12
^Drama II	10, 11, 12
^Drama III	11, 12
^Drama IV	12
^Studio Conservatory	11,12
^Technical Theatre I	10, 11, 12
^Technical Theatre II	10, 11, 12
^Technical Theatre III & IV	11, 12
^Art I	9, 10, 11, 12
^Art II	10, 11, 12
+AP Drawing	12
+AP 2-D Design	11, 12
+AP 3-D Design	11, 12
^Introduction to Clay	11, 12

^Intro to Sequential Art	11, 12
^Sequential Art II	12
^Intro to Computer Modeling	11, 12
^Introduction to Photography	11, 12
^Photo II	12
^Beginning Band	9, 10, 11, 12
^Intermediate Band	9, 10, 11, 12
^Wind Ensemble	9, 10, 11, 12
^Percussion I	9, 10, 11, 12
^Percussion II	9, 10, 11, 12
^Percussion III	10, 11, 12
^Percussion IV	11, 12
^Guitar I	10, 11, 12
^Guitar II	9, 10, 11, 12
^Advanced Guitar II	9, 10, 11, 12
^Guitar III/IV	10, 11, 12
^Guitar III, IV, V Performance	10, 11, 12
^Beginning Strings	9, 10, 11, 12
^Intermediate Strings	9, 10, 11, 12
^Advanced Strings	9, 10, 11, 12
^Mixed Choral Ensemble	F - 11, 12 M - 9, 10, 11, 12
^Women's Choral Ensemble	9, 10, 11, 12
+AP Music Theory	11, 12
^Dance I	9, 10, 11, 12
^Dance II	9, 10, 11, 12
^Dance III	10, 11, 12
^Dance IV	11, 12
^Dance V	12

(All courses: 1 year, 1 credit)

FOREIGN LANGUAGE DEPT.

Latin I	
Latin II	
Latin III Honors	
+Latin IV AP	
+Latin V Latin Literature AP	
French I	
French II	
French III Honors	
French IV Honors	
+AP French Language	
Spanish I	
Spanish I Culture	

+Requires AP Fee

*Semester Course

^Honors Credit option

Spanish II
 Spanish II Culture
 Spanish III
 Spanish III Honors
 Spanish IV
 Spanish IV Honors
 +AP Spanish Language 10, 11, 12
 +AP Spanish Literature 10, 11, 12

**HEALTH/PHYSICAL
 EDUCATION DEPARTMENT**

*Exercise and Sports Science
 *Health
 *Physical Education
 Weightlifting
 Advanced Weightlifting
 Athletic Training and Sports
 Safety Training

MATHEMATICS DEPARTMENT

Essential Algebra I
 Algebra I
 Essential Geometry
 Geometry
 Geometry Honors
 Essential Algebra II
 Algebra II
 Algebra II/Trig-Honors
 Pre-Calculus
 Pre-Calculus Honors
 Calculus Honors
 +AP Calculus AB
 +AP Calculus BC
 +AP Statistics
 Adv. Functions & Modeling
 Discrete Math
 Introduction to College Mathematics

SCIENCE DEPARTMENT

Biology
 Biology Honors
 +AP Biology
 Earth Science
 Earth Science Honors
 Physical Science
 Chemistry
 Chemistry Honors
 +AP Chemistry
 Physics
 Physics Honors

*Environmental Science (semester 2)
 *Ecology (semester 1)
 +AP Environmental
 Human Anatomy & Physiology
 Laboratory Assistant (.25)

**SOCIAL STUDIES
 DEPARTMENT**

*World Geography
 World History
 World History Honors
 +AP World History
 American History
 American History Honors
 +AP American History
 *U.S. Government
 *U.S. Government Honors
 +AP U.S. Government and Politics
 *Economics
 *Economics Honors
 Foundations of Western Civ. Honors
 *Psychology-Semester I
 *Sociology-Semester II
 *Constitutional Law Honors

THEOLOGY DEPARTMENT

The Light of Faith: An Overview of
 Catholicism 9
 The Revelation of Jesus Christ in
 Scripture 10
 *^Jesus Christ's Mission Continues
 in the Church 11
 ^Life in Jesus Christ 11
 ^Living as a Disciple of Jesus Christ
 in Society (Peace & Justice) 12
 ^Social Justice: Dignity of the Human
 Person 12
 ^Ecumenical and Interreligious Is-
 sues 12
 ^Foundations of Catholic Worldview 12
 ^Responding to the Call of Jesus
 Christ 12

+Requires AP Fee

*Semester Course

^Honors Credit option

**AUXILIARY SERVICES
DEPARTMENT**

Curriculum Assistance 9,10,11,12

**MEDIA AND PUBLICATIONS
DEPARTMENT**

*Library/Media Studies - I (.25)
9,10,11,12

*Library/Media Studies - II (.25)
9,10,11,12

Yearbook I & II

Journalism I 10, 11, 12

Journalism II Honors 11, 12

Journalism III Honors 11, 12

Digital Video I 9, 10, 11, 12

Digital Video I 10, 11, 12

+Requires AP Fee
*Semester Course
^Honors Credit option

Faculty/Staff 2010- 2011

Last	First	Department	Email
Allen	Jon	Ground Maintenance	jallen@cghsnc.org
Anders	Crista	Director of Retreats	canders@cghsnc.org
Barkan	Nancy	Assist. Principal - Instruction	nbarkan@cghsnc.org
Bass	Alex	Sports Information Director	abass@cghsnc.org
Beale	Nancy	Foreign Language	nbeale@cghsnc.org
Benton	Laurette	Volunteer Coordinator	lbenton@cghsnc.org
Beuris	Sharon	Business Office Coordinator	sbeuris@cghsnc.org
Bierlein	David	Computer Science	dbierlein@cghsnc.org
Blanton	Taylor	Social Studies	tblanton@cghsnc.org
Bloodgood	Duane	Custodian	dbloodgood@cghsnc.org
Boyan	Sean	Theology	sboyan@cghsnc.org
Brooks	Matt	Plant Supervisor	mbrooks@cghsnc.org
Burns	Kendra	English	kburns@cghsnc.org
Camara	Celia	Cafeteria	ccamara@cghsnc.org
Carrington	Marque	Health/PE	mcarrington@cghsnc.org
Casas	Miguel	Foreign Language	mcasas@cghsnc.org
Cipriano	Jennifer	Mathematics	jcipriano@cghsnc.org
Clayborne	Michelle	College Counselor	mclayborne@cghsnc.org
Clements	Bonnie	Science	bclements@cghsnc.org
Clugston	Margie	Director of Advancement	mclugston@cghsnc.org
Collins-Boyce	Ellen	Science	ecollins-boyce@cghsnc.org
Curatolo	Michael	Assist. Principal - Student Life	mcuratolo@cghsnc.org
Curtis	Jason	Principal	jcurtis@cghsnc.org
Dason	Rebecca	Art	rdason@cghsnc.org
DeLaRosa	Mark	Theology	mdelarosa@cghsnc.org
Dmytriv	Patrick	Theology	pdmytriv@cghsnc.org
Downing, IHM	Sr. Laura	Theology	sdowning@cghsnc.org
Dunham	Mary	Admin. Assist. - Athletics	mdunham@cghsnc.org
Ellis	Susan	School Counselor	sellis@cghsnc.org
Ferguson	Kevin	Drama	kferguson@cghsnc.org
Ferris	John	Social Studies	jferris@cghsnc.org
Foushee	Dale	Librarian	dfoushee@cghsnc.org
Friedman	Michael	English	mfriedman@cghsnc.org
Gallagher	Patricia	Theology, Curriculum Asst.	pgallagher@cghsnc.org
Gamblin	Barbara	Science	bgamblin@cghsnc.org
Garbarine	Rachelle	Marketing & Publications Coordinator	rgarbarine@cghsnc.org
Goethals	Susan	Science	sgoethals@cghsnc.org
Hadsell	Jeanette	Director of Student Services	jhadsell@cghsnc.org
Haluska	Therese	Mathematics	thaluska@cghsnc.org
Harden	Bernard	Custodian	bharden@cghsnc.org
Healy	Tim	Mathematics	thealy@cghsnc.org
Heyl	Pam	Social Studies	phey1@cghsnc.org
Hinshaw	Cynthia	Social Studies	chinshaw@cghsnc.org
Hodge	Delorese	Mathematics	dhodge@cghsnc.org

Last	First	Department	Email
Hoying	Joey	Advancement Database Coordinator	jhoying@cghsnc.org
Ingraham	Terri	Media Assistant	tingraham@cghsnc.org
Jay	Annette	Registrar/Administrator	ajay@cghsnc.org
Jochum	Liz	Admin. Assist.	ljochum@cghsnc.org
Jukic	Dan	Journalism, Web Content Manager	djukic@cghsnc.org
Kemple	Christopher	Art	ckemple@cghsnc.org
Kennedy	Amy Jo	Foreign Language	akennedy@cghsnc.org
Korejwo, SND	Sr. Mary Jean	Admin. Assist.	mjkorejwo@cghsnc.org
Kozak	Kathleen	Theology	kkozak@cghsnc.org
Krull	Mary Ellen	Foreign Language	mekrull@cghsnc.org
Lang	Stefanie	Foreign Language	slang@cghsnc.org
LeTrent	Kathryn	Drama	kletrent@cghsnc.org
Lieber	James	Social Studies	jlieber@cghsnc.org
Lindauer	Robin	Mathematics	rlindauer@cghsnc.org
Lipscomb	Robert	English	rlipscomb@cghsnc.org
Lowe	Jessica	Social Studies	jlowe@cghsnc.org
Lyon	Prudence	Librarian	plyon@cghsnc.org
Mangum	Nick	Social Studies	nmangum@cghsnc.org
Martin	Don	Band	dmartin@cghsnc.org
Martin	Rick	Theology	rmartin@cghsnc.org
Mauney	Jana	Business	jmauney@cghsnc.org
McCallum	Julia	Admin. Assist. - Bookstore	jmccallum@cghsnc.org
McCarty	Marianne	Director of Admissions	mmccarty@cghsnc.org
McCormack	Jessica	Foreign Language	jmccormack@cghsnc.org
McCue	Fr. Scott	Assist. Principal - Spiritual Life	smcuc@cghsnc.org
McKendry	Terri	College Counselor	tmckendry@cghsnc.org
McKinnie	Edward	Custodian	emckinnie@cghsnc.org
Melcher	Angie	Science	amelcher@cghsnc.org
Miller	Denise	Cafeteria Manager	dmiller@cghsnc.org
Miller	Katharine	Photography	kmiller@cghsnc.org
Mills	David	Athletic Trainer	kmills@cghsnc.org
Monahan	Ann	School Nurse	amonahan@cghsnc.org
Monroe	Dean	Director of Athletics	dmonroe@cghsnc.org
Monroe	Kirsten	Alumni Coordinator/Annual Giving Assistant	kmonroe@cghsnc.org
Munoz	Alberto	Foreign Language	amunoz@cghsnc.org
Nichols	Alexis	Drama	lnichols@cghsnc.org
Owen	Lauren	English	lowen@cghsnc.org
Owens	Brooks	Dance	bowens@cghsnc.org
Paez	Peggy	Attendance Director, Drivers Ed.	ppaez@cghsnc.org
Patchus	Rob	Science	rpatchus@cghsnc.org
Penny	Agnes	Director of Outreach	apenny@cghsnc.org
Perry	Julie	English	jperry@cghsnc.org
Peterson	Kell	English	kpeterson@cghsnc.org
Poisella	Christopher	Mathematics	cpoisella@cghsnc.org
Porter	Daniel	Science	dporter@cghsnc.org

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Last	First	Department	Email
Porter	Shermanne	Advancement Database Coordinator	sporter@cghsnc.org
Price	Pauline	Receptionist	pprice@cghsnc.org
Ripollone	Diane	Science	dripollone@cghsnc.org
Rogosich	Michael	Assist. Principal - Student Activities	mrogosich@cghsnc.org
Rokita	Amy	English	arokita@cghsnc.org
Sargent	Hal	Percussion	hsargent@cghsnc.org
Sauls	Susan	Admin. Assist. - Student Services	ssauls@cghsnc.org
Scharf	Karen	Foreign Language	kscharf@cghsnc.org
Schemmel, SND	Sr. Janet	Academic Dean, Science	jschemmel@cghsnc.org
Sebik	Joe	Theology	jsebik@cghsnc.org
Sheehan	Mike	English, Health/PE	msheehan@cghsnc.org
Smith	Joleen	Science	jsmith@cghsnc.org
Smith	Nivia	Foreign Language	nsmith@cghsnc.org
Sokash	Catherine	English	csokash@cghsnc.org
Souvanlasy	Sing	Custodian	ssouvanlasy@cghsnc.org
Spencer	David	Guitar	dspencer@cghsnc.org
Sprague	John	Mathematics	jsprague@cghsnc.org
Stephens	Kathy	Business Manager	kstephens@cghsnc.org
Sutphin	Toni	English	tsutphin@cghsnc.org
Tawater	Mark	Social Studies	mtawater@cghsnc.org
Thomas	Clay	English	cthomas@cghsnc.org
Tighe	Cassie	Social Studies	ctighe@cghsnc.org
Timberlake	Kimberly	Mathematics	kbrown@cghsnc.org
Tovar	Marcia	Mathematics	mtovar@cghsnc.org
Troy	Joan	Mathematics, Chorus	jtroy@cghsnc.org
Turgeon	Emily	Social Studies	eturgeon@cghsnc.org
Turgeon	Marilyn	Admin. Assist. - Business Office	mturgeon@cghsnc.org
Tuttle	Andrew	Mathematics	atuttle@cghsnc.org
Tyrer	Maryann	Theology	mtyrer@cghsnc.org
Weinstein	Toby	Strings	tweinstein@cghsnc.org
Williams	Darsey	Business	dwilliams@cghsnc.org
Wright	Steven	Health/PE	swright@cghsnc.org
Wyker	Laura	Science	lwyker@cghsnc.org

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BUSINESS DEPARTMENT

COURSE: Scholastic Technology Skills

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: none

CREDIT: 1/2

This course is designed to develop the skill of the touch method in operating computer keyboards. The first few weeks of the course is a comprehensive review of the touch method of keyboarding of the alphabetic keys on a keyboard. Students learn to produce problems in hard copy form, such as tables, business and personal letters, reports, and outlines. Students also produce documents in more advanced elements of Microsoft Word and in Microsoft Excel, in Publisher, in Access, and in other software as time permits. This course meets the semester requirement for keyboarding required by the school. Class curriculum includes exploration of business topics and vocabulary of various business subjects.

COURSE: Computer Skills

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: none

CREDIT: 1/2

Computer Skills will fulfill the semester requirement for those students already comfortable with the location of alphabetic keys on a keyboard. There is a very brief review of alphabetic keys. Instruction of keys begins with the number keys in the first week of class. In the first nine weeks of the class, the students learn to produce problems in hard copy form with a concentration in correspondence, research and reports, and advanced aspects of Microsoft Word. Students then begin an overview of the Microsoft Office software package. Class curriculum includes exploration of business topics and vocabulary of various business subjects.

COURSE: Automated Accounting/Business Ethics Honors

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: Scholastic Technology Skills or Computer Skills

CREDIT: 1/2

This course gives an overview of the basic principles of accounting using the computer. It teaches computerized accounting and accounting spreadsheet applications using a hands-on approach. Students will learn realistic accounting transactions for a variety of business applications and general financial statements and spreadsheet and other management information reports. Additionally, students will explore business ethics. Emphasis will be placed on critical thinking in analyzing conflicts and making ethical decisions. Topics include bioethics, entertainment, more development, and cultural diversity. Students are exposed to a variety of primary source documents related to ethics. The ethics is integrated into the Accounting curriculum with a study of how both disciplines affect students' everyday life.

COURSE: Marketing and Finance Honors

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: Computer Skills or Scholastic Technology Skills

CREDIT: 1/2

This course is designed to introduce students to the basic concepts & practices, analytical methods of marketing, as well as the role of marketing in business.

Students will study the foundations and functions involved in successful marketing of goods, services, and ideas to consumers and businesses. Topics covered include economics, the evolution of 20th century marketing theory and practices, marketing research, marketing strategy, consumer behavior, product planning & development, pricing, advertising, promotion, ethics, self-marketing, and career exploration. Business finance and budgeting will also be explored. Students participate in learning through class discussions, projects, case studies, current event analysis/presentations, and through industry expert guest speakers.

COMPUTER SCIENCE DEPARTMENT

COURSE: CCNA Discovery I

GRADE LEVELS: All

PRE-REQUISITES: None

CREDIT: 1

This is a full year course in networking technologies utilizing the Cisco Certified Network Associate (CCNA) Discovery curriculum: **Networking for Home and Small Businesses** and **Working at a Small-to-Medium Business or ISP** (Part 1). Topics include PC hardware, operating systems, connecting to a network and to the Internet through an ISP, network addressing and services, wireless technology, basic security, network troubleshooting, the Internet and its uses, help desk operations, and planning a network upgrade. At the completion of this course, students will have gained enough knowledge and skills to plan, design, and implement a small wired or wireless network for a home or small business.

Course work will consist of lecture, independent work on the Internet, and hands-on labs with state-of-the-art Cisco equipment and software. A Capstone project encompassing a network design proposal for a small business is required. This course is the first of two courses leading to preparation for a **Cisco Certified Entry Network Technician (CCENT) certification**.

This course is a prerequisite for CCNA Discovery II Honors.

COURSE: CCNA Discovery II Honors

GRADE LEVELS: 10, 11, 12

PRE-REQUISITES: **CCNA Discovery I** and Recommendation

CREDIT: 1

This is a full year course in networking technologies utilizing the Cisco Certified Network Associate (CCNA) Discovery and Exploration curricula: **Working at a Small-to-Medium Business or ISP** (Part 2) and **Routing Protocols and Concepts**. Topics include planning an addressing structure, configuring network devices, routers, static and dynamic routing, routing protocols, ISP services and responsibilities, and network troubleshooting.

Course work will consist of lecture, independent work on the Internet, and hands-on labs with state-of-the-art Cisco equipment and software. A Capstone project encompassing the design of a network upgrade for a medium-size business is required.

At the completion of this course, students will prepare to take the **CCNA ICND1** exam. If passed at an independent testing center, they will be qualified for a **Cisco Certified Entry Network Technician (CCENT) certification**.

COURSE: Advanced CCNA Honors

GRADE LEVELS: 11 – 12

PRE-REQUISITES: **CCNA Discovery II Honors & Recommendation**
CREDIT: 1

This is the culminating course for students desiring an advanced study of Cisco Networking utilizing the final two of four courses in the **CCNA Exploration** curriculum:

1. **LAN Switching and Wireless:** Topics include LAN design, LAN switching (including Virtual LAN, Virtual Trunking Protocol, and (Rapid) Spanning Tree Protocol), inter-VLAN routing, and basic wireless concepts and configuration.
2. **Accessing the WAN:** Topics include Point-to-Point Protocol, Frame Relay, network security and Access Control Lists, Broadband services, VPN Technology, IP security protocols, IP addressing services, and network troubleshooting.

Course work will consist mostly of independent work in and out of class with hands-on labs using state-of-the-art Cisco equipment and software. At the end of this course students will prepare to take the **CCNA** exam at an independent testing service to qualify for a **Cisco Certified Network Associate (CCNA) certification**.

COURSE: Introduction to Game Programming in Java (Honors Option)

GRADE LEVELS: All

PRE-REQUISITE: None

CREDIT: 1

This is a Java programming course open to interested students with a desire to learn game programming in Java. This is an intense study of the Java programming language focused on all aspects of game development. Topics include Java language syntax, Object Oriented programming, programming with graphics, sprites, animations, and sound. Students will learn game development from initial design to web deployment. The Honors Option is to perform independent work towards **Sun Certified Java Associate (SCJA)**.

COURSE: Advanced Game Programming Honors

GRADE LEVELS: 10-12

PRE-REQUISITE: **Introduction to Game Programming in Java and teacher recommendation.**

CREDIT: 1

This course extends the knowledge and experience gained in the introductory course to more advanced game development. Additional topics include scrolling games, advanced graphics, animations, and sound programming, programming with fractal landscapes, multi-user game networking; programming virtual environments.

ENGLISH DEPARTMENT

COURSE: English 9

GRADE LEVEL(S): Freshman

PRE-REQUISITE: Successful completion of Eighth grade English.

CREDIT: 1

The freshman course emphasizes the development of the basic English skills of grammar, composition, reading and vocabulary. The first semester is an intensive writing program which emphasizes the importance of organization, structure and the revision process as vital components of effective writers. Composition focuses on expository, descriptive and analytical writing. Literature study focuses on the genres of fiction, nonfiction, drama and poetry. Students are encouraged to approach literature as a source of enjoyment as well as an art form. A documented research project is required.

COURSE: English 9 Honors

GRADE LEVEL(S): Freshman

PRE-REQUISITES: A or better average in 8th grade English/

Language Arts; acceptable score on CGHS Admissions Test; writing sample

CREDIT: 1

English 9 Honors provides an accelerated study of grammar, composition, reading and vocabulary. Emphasis is placed on the reading and critical analysis of the various literary genres of fiction, nonfiction, drama and poetry. The first semester is an intensive writing program which emphasizes the importance of organization, structure and the revision process as vital components of effective writers. Composition focuses on expository, descriptive and analytical writing. A documented research project is required.

COURSE: English 10-American Literature

GRADE LEVEL(S): Sophomore

PRE-REQUISITE: successful completion of English 9

CREDIT: 1

English 10 is a survey of American literature from the pre-Colonial period to the present. Students read and are taught to analyze works of fiction and nonfiction. The writing component builds on the previous year's emphasis of essay construction, with continued emphasis on grammar, mechanics and revision as important parts of the writing process. A documented research project is required. Vocabulary development continues to be an important element of the class through the use of a workbook and through the study of vocabulary in the context of the literature.

COURSE: English 10 Honors-American Literature

GRADE LEVEL(S): Sophomore

PRE-REQUISITE: B average or better in English 9 Honors; A average in English 9; combined writing and verbal PSAT score of 90 or better; teacher recommendation

CREDIT: 1

English 10 Honors is a survey of American literature from the pre-Colonial period and ending with contemporary authors. The literature is presented chronologically and within the context of the social and historical forces which shaped it. Through representative readings from various literary genres, students learn about their cultural heritage, develop strategies for reading critically, improve upon language skills necessary for clear and effective communication, and expand their vocabulary. The writing component builds on the previous year's emphasis of essay construction, with continued emphasis on grammar, mechanics and revision as important parts of the writing process. A documented research project is required. Vocabulary development continues to be an important element of the class through the use of a workbook and through the study of vocabulary in the context of the literature.

COURSE: English 11 British Literature

GRADE LEVEL(S): Junior

PRE-REQUISITE: Successful completion of English 10

CREDIT: 1

British literature is a year-long course that provides a survey of representative genres from the Anglo-Saxon period to the modern day. Composition focuses on critical analysis of literature covered in class as well as outside parallel readings. Preparation for the SAT is the focus of vocabulary study. A research / thesis paper is a requirement of the class.

COURSE: English 11 Honors-British Literature

GRADE LEVEL(S): Junior

PRE-REQUISITE: PRE-REQUISITES: B average or better in English 10 Honors; A average in English 10; combined writing/verbal PSAT score of 105; teacher recommendation

CREDIT: 1

Designed as a preparation for English 12 Honors or Advanced Placement English, this course provides a year-long study of British literature from the Anglo-Saxon period to the present. Students are challenged to analyze literature and generate class discussion from their understanding of literary concepts such as point of view, diction, style, theme and purpose. Writing skills are further developed, with the focus on making an argument, using textual support to validate an opinion and effectively incorporating quotes into an analysis. Self-

assessment, revision and rewriting are integral parts of the writing process in this class. Students are encouraged to develop voice and a personal style in their writing. Preparation for the SAT is the focus of vocabulary study. A research / thesis paper is a requirement of the class.

COURSE: Advanced Placement English Language and Composition

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: Combined writing/verbal PSAT score of 110 or better; B+ or better average in English 10 Honors; A average or better in English 10; teacher recommendation

CREDIT: 1 AP Fee Required

Advanced Placement English Language and Composition enables students to become skilled readers of complex texts written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who compose prose for a variety of purposes in order to communicate effectively with mature readers. The course allows students to write in narrative, exploratory, expository, and argumentative forms and on many different subjects ranging from personal experience to literary analysis. English Language and Composition prepares students for the writing that forms the basis of academic and professional communication as well as the personal and reflective writing that fosters the development of writing facility in any context. The course demands work equivalent to that of a full year introductory college course.

During the spring, students are required to take the national placement examination in English Language and Composition for which college credit and/or placement may be given if a qualifying score is achieved.

COURSE: English 12 - World Literature

GRADE LEVEL(S): Senior

PRE-REQUISITE: Successful completion of English 11.

CREDIT: 1

World Literature is a study of selected major works from both eastern and western civilizations. Set within a historical context, the ancient and modern literature explores the intellectual, moral, and ethical orientation of the diverse cultures of humanity. Writing and research are an integral part of the course. Completion of a thesis paper is a requirement for credit.

COURSE: English 12-World Literature Honors

GRADE LEVEL(S): Senior

PRE-REQUISITES: Combined writing/verbal PSAT score of 105 or better; B average or better in English 11 Honors or A average or better in English 11; Teacher recommendation.

CREDIT: 1

Honors World Literature is an intensive year-long course that gives students an overview of the literature of many peoples and cultures. Much comparative work is done with the class comparing the genres from culture to culture. Emphasis is on understanding the world through a study of literature that reflects the social, religious and philosophical practices of a people. Composition focuses on critical analysis of literature covered in class. Emphasis is placed on the research process throughout the year. This course is designed for the student who needs and can rise to the challenges of an English course that is beyond the expectations of the college preparatory literature course. Completion of a thesis paper is a requirement for credit.

COURSE: Advanced Placement English Literature and Composition

GRADE LEVEL(S): Senior

PRE-REQUISITES: Combined writing/verbal PSAT score of 110 or better; B+ or better average in English 11 Honors; A average in English 11; teacher recommendation

CREDIT: 1 (AP Fee Required)

Advanced Placement English Literature and Composition provides students with a course in composition and literary analysis. Through the close study of literary works of all genres and diverse cultures, students develop critical standards for appreciating and evaluating literature. They further sharpen their awareness of language and their understanding of the writer's craft. The course demands work equivalent to that of a full year introductory college course.

During the spring, students are required to take the national placement examination in English Composition and Literature for which college credit and/or placement is given if a qualifying score is achieved. Completion of a thesis paper is a requirement for credit.

NOTE: Honors Credit Option*

Students who would like to take an English elective but also want the challenges of an honors course, may take these classes for honors credit. Details about the honors option will be given on the first day of class.

COURSE: Introduction to Film *NOTE: Honors Credit Option

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: none

CREDIT: 1/2

Introduction to Film provides a general introduction to the history of American film, its language, and chief directors. Specifically, this elective examines selected major films in terms of the genres from which they merge. Representative units include epic, combat, peripheral war, rebel, urban, action, musical, screwball comedy, mob, Hollywood on Hollywood, film noir, science fiction, and suspense. In addition, the course seeks to discover ways in which films reflect a given society at a given time. Introduction to Film requires visual, oral, and written analysis of films.

COURSE: Holocaust Literature *NOTE: Honors Credit Option

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Teacher recommendation

CREDIT: 1/2

Holocaust Literature is an intensive study of literature that has come out of the Holocaust. Students are challenged in a very real and intense way to read stories and novels from a troubling time in our world's history. These selected works will be used to help the students develop and refine their analytical and critical thinking skills. The fine points of writing, grammar and mechanics as well as usage are taught. Research is also an important element of the class. Most importantly, the students will enter into a study of one of the worst moments in history, grappling with some of the fundamental questions of man's nature, his relationship with others, and his relationship with God.

COURSE: Creative Writing * NOTE: Honors Credit Option

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: Teacher recommendation

CREDIT: ½

Creative Writing aids the student to become a more powerful writer by stimulating his/her creativity. The student is encouraged to become more observant, to make new associations and to exercise imagination in expressing ideas. Students will explore and produce poetry and prose, fiction and nonfiction.

COURSE: Lift Every Voice

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: None

CREDIT: ½

In this semester elective we will study the literature of diverse groups to examine the various political and cultural issues present in today's society. These topics include immigration, race, ethnicity and the issues of identity and belonging for members of minority groups in America. To fully understand the sociological issues explored in the core readings, we will also read a number of essays and short stories from a diverse range of authors.

The course also examines the impact of popular culture on how we view ourselves and each other as it relates to the fundamental issues explored in the readings.

Students will participate in discussions, do a research project, and produce a number of formal and informal written responses to the material. Students will be required to complete class assignments, readings, and online discussions in and outside of the classroom setting. ***This class will meet on Tuesday and Thursday at 7:15 a.m.***

FINE ARTS DEPARTMENT

****Honors Option:**

Students have the option of an honors track in fine arts courses. The honors option will present students with the opportunity to attend exhibits or performances, research, write about, and create additional works related to the current course topics. Students will receive information in their classes about the honors option during the first week of each semester.

Health and Physical Education Deferment Policy:

Freshmen at Cardinal Gibbons High School who are pursuing a 3-4 year sequence in a fine art may **defer** the Health/PE requirement. If the student continues in the same fine art for grade 10, the Health/PE department will provide an independent study for completion of the Health/PE requirement, after completion of grade 10. If the student does not continue in the chosen area of the arts, they will be enrolled in Health/PE in the sophomore year since the fine arts requirement, usually taken in grade 10, will have been fulfilled.

COURSE: Drama I (Honors option)

GRADE LEVEL(S): Freshman, Sophomore

PRE-REQUISITE: Audition/Interview only and instructor approval

CREDIT: 1

This course is designed as a general overview of and introduction to all aspects of the theatrical arts. Students will be exposed to the many facets of the theatrical arts, including: acting basics, dramatic structure, theatrical vocabulary and terminology and the elements of stagecraft.

COURSE: Drama II (Honors option)

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: Drama I or instructor approval

CREDIT: 1

This course is designed to be an introduction to the study and application of the fundamentals of acting. Students will focus on play reading and dramatic structure along with basic character development. Monologue work, along with scene study and performance are the major components of this course. Students will write and perform much of their own work.

COURSE: Drama III (Honors option)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Drama II and instructor approval

CREDIT: 1

This course continues the study and application of acting at an advanced level. Detailed character development and script analysis are emphasized. An understanding of the acting process is emphasized through intense scene study and monologue work, along with the study of specific acting styles.

COURSE: Drama IV (Honors option)

GRADE LEVEL(S): Senior

PRE-REQUISITE: Drama III and instructor approval

CREDIT: 1

This course is an intense study of theatrical performance and dramatic production with a particular emphasis on professionalism. It is designed for serious, dedicated and mature students who wish to continue studying Theatre at the college level. Topics to be studied and applied will include directing, theatrical criticism, collaboration and portfolio development. Class participants will be required to attend, as a group, area theatrical productions outside of normal school hours. Student directed performances will make up a significant part of this course and will require an investment of time outside of normal class hours.

COURSE: Studio Conservatory (Honors option)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Audition Only and Instructor Approval

This highly specialized performance course will offer an intensive, hands-on study of specific theatrical disciplines for the motivated and focused student actor. Specific topics to be practiced include extended units on Musical Theater, Shakespeare, and the performance of original student works, all in a workshop environment. Students will be evaluated on both an individual and an ensemble basis.

COURSE: Technical Theatre I (Honors option)

GRADE LEVEL(S): Freshman (instructor approval only), Sophomore, Junior, Senior

CREDIT: 1

This course is a study and application of technical and backstage elements of theatre production. Students will focus on learning craft skills associated with scenery, lighting, and costuming. The class will also support the technical needs of CGHS performances and other school presentations. They will be evaluated on their understanding of theatre production and on their ability to safely and proficiently assist in the construction of scenery, costumes, and props.

COURSE: Technical Theatre II (Honors option)

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: Technical Theatre I and instructor approval

CREDIT: 1

This course continues the study of technical theatre. Students will begin the study of theatrical design in costume, scenery, light, and sound. They will advance their technical craft skills and be heavily involved in construction of scenery and costumes for CGHS productions. They will be evaluated on individual design projects and their demonstrated technical skills. Participation in this class will require an investment of time outside of normal class hours.

COURSE: Technical Theatre III-IV (Honors option)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Technical Theatre II and instructor approval

CREDIT: 1

This course furthers the study of Technical Theatre and its respective disciplines, with an emphasis on design. Students will be involved in the design process for all CGHS theatrical productions. Students will be responsible for working and running the technical crews in a leadership role for all CGHS Fine Arts productions. Students will also mentor Tech I and II students. Participation in this class will require an investment of time outside of normal class hours.

COURSE: Costume Construction

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Instructor approval

CREDIT: 1

This course teaches students to construct clothing items by following commercial patterns and by drafting their own basic patterns. They will work in groups and alone to develop sewing and fabric modification skills. Class projects will support drama productions, dance concerts, school liturgy, and outreach activities. Students will develop critical thinking, communication, and practical math skills. They will also have opportunity to incorporate their own design ideas into projects. This class will require some after school work and the purchase of supplies needed for personal projects.

COURSE: Art I (Honors option)

GRADE LEVEL(S): Freshman: requires a portfolio and approval, Sophomore, Junior, Senior

PRE-REQUISITE: none

CREDIT: 1

This elective provides a general introduction to the visual arts, its language, tools, media and processes. The student will be exposed to a variety of studio experiences as well as artists of past and present. The focus at the beginning of the year is on developing strong drawing skills. Other projects will include printmaking, painting, ceramics and mixed-media.

COURSE: Art II (Honors option)

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: Art I and approval of art teacher

CREDIT: 1

Art II builds upon the basic art concepts and skills developed in Art I through more advanced applications of media, concepts, and expressions of ideas. Students are encouraged to begin to develop a personal style of expression and choose media appropriate for communication of concept.

COURSE: Introduction to Clay (Honors option)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: none

CREDIT: 1

The student will be introduced to the art of clay as a means of personal expression and communication. Students will experiment with the plastic quality of clay to form three-dimensional structures using the pinch, coil, slab, and potter's wheel techniques. Students will understand the chemical and physical changes that take place in clay through the construction and firing processes and will be able to evaluate clay forms on the basis of elements and principles of design.

COURSE: Introduction to Sequential Art (Honors option)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: none

CREDIT: 1

This course will explore the ancient tradition of conveying stories/ideas through words and pictures. Students will study the history of sequential art and its broad range of styles and genres, and they will write and draw their own short stories in several different formats. Each storytelling element will be studied and explored, including subject research, script writing/outlining, developing effective characters, drawing settings, objects, and people in various styles, establishing mood, conveying emotion, the importance of color, mythology, iconography, metaphor, and "personal voice" panel composition and overall page design. Students will also learn how to have their work "print ready" for publication, both on paper and digitally on the internet.

COURSE: Sequential Art II (Honors option)

GRADE LEVEL(S): Senior

PRE-REQUISITE: Sequential Art I and permission of instructor

CREDIT: 1

This course is designed to be a continuation of Sequential Art I, and will build upon the skill sets covered there. Students will be asked to display a more advanced level of drawing and visual storytelling, and the projects will be greater in length and more substantive in content. Students will also be expected to work independently and develop their own story ideas. More advanced techniques in drawing, coloring, and inking will be pursued, and we will explore more prolific areas and methods of visual storytelling.

COURSE: Introduction to Photography (Honors option)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: none

CREDIT: 1

This course introduces the fundamental techniques used in black and white photography. Emphasis is placed on concept and content as well as technical proficiency. This course provides a problem-solving structure that is designed to encourage the development of both technical and creative thinking skills. The course contains the following sections on Basic Photography: camera, lens, exposure, light and film, film development and printing. Alternative photographic process and color digital imaging techniques are also covered.

COURSE: Photography II (Honors option)

GRADE LEVEL(S): Senior

PRE-REQUISITES: Photography I and permission of instructor

CREDIT: 1

This course will expand the basic techniques learned in Introduction to Photography, with emphasis placed on alternative approaches to photographic imaging. Students will explore the image-making process using a variety of films, digital and traditional photo printing techniques. Additional work outside of class is required to complete the requirements for this course.

COURSE: Advanced Placement Drawing

GRADE LEVEL(S): Senior

PRE-REQUISITES: Art II and department recommendation.

CREDIT: 1 AP Fee Required

Advanced Placement Drawing is offered for the outstanding art student who wishes to prepare and present a drawing portfolio to the National Placement Board. College credit or placement may be given by some institutions if a qualifying evaluation is received.

COURSE: Advanced Placement 2D Design

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Art II and department recommendation

CREDIT: 1 AP Fee Required

Advanced Placement 2D Design is offered for the outstanding art student who wishes to prepare and present a 2D Design portfolio to the National Placement Board. College credit or placement may be given if a qualifying evaluation is received.

COURSE: Advanced Placement 3D Design

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Art II and department recommendation

CREDIT: 1 AP Fee Required

Advanced Placement 3D Design is offered for the outstanding art student who wishes to prepare and present a 3D Design portfolio to the National Placement Board. College credit or placement may be given if a qualifying evaluation is received.

COURSE: Introduction to Computer Modeling (Honors option)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: None

CREDIT: 1

This course will cover the basics of 3-D object modeling in 3-D Studio Max software. No drawing ability is necessary. Students will learn the fundamentals of how to visualize and construct basic objects using polygons and then learn how to create and apply their own texture maps to the objects. Once a familiarity with the software and techniques are established, more complex and original objects can be approached. The skills acquired in this class can be applied to video games, 3-D animation, architecture, and other areas in the entertainment and communication fields.

COURSE: Beginning Band (Honors option)

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: none

CREDIT: 1

Learn all the aspects of playing an instrument including: reading music, music theory, history of music, etc. Concerts and home practice are required. Students should provide their own instruments unless other arrangements are made with the instructor.

COURSE: Intermediate Band (Honors option)

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: Beginning Band and/or approval of teacher

CREDIT: 1

More advanced study of instrument playing including: reading music, music theory, history of music, etc. Concerts and home practice are required. Students should provide their own instruments unless arrangements are made with the instructor.

COURSE: Wind Ensemble (Honors option)

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: Beginning Band or approval of teacher

CREDIT: 1

In depth exploration of repertoire concert band, jazz band as well as small ensembles. This includes repertoire at a level up to Grade 6. Band concerts and home practice are required. Students should provide their own instruments unless arrangements are made with the instructor.

COURSE: Percussion I (drums and mallets) (Honors option)

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: none

CREDIT: 1

This course is designed for beginning students who would like to learn to play percussion. Students will be introduced to playing all areas of percussion including snare drum, mallets (bells, vibes, xylophone) timpani, hand percussion (congo, bongos, etc) and drum set. Students will learn all the basic skills in reading music, music theory and music history as well as percussion history. Students will use predatory piano theory workbook, study basic theory and notes for percussion. Students will be required to practice and play in concerts. If a student wishes to play in percussion with band as a freshman he or she should contact the instructor for a placement audition. Instrumental requirements for the class are a practice pad, mallet instrument, and a mallet bag with appropriate sticks and mallets.

COURSE: Percussion II (Honors option)

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: Beginning percussion and/or approval of teacher

CREDIT: 1

This course is designed for students who have completed the beginning class or students who have a more advanced knowledge of percussion. It will include more advanced study in the percussion playing technique and more advanced literature. Students will be required to practice and play in concerts. Students will be required to have a practice pad, mallet instrument for home practice, and a mallet bag with appropriate sticks and mallets. Students in this class will also perform with the concert band.

COURSE: Percussion III (Honors option)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Audition is required

CREDIT: 1

This course teaches students more advanced techniques of playing percussion instruments including but not limited to snare drum, mallets, timpani and drum set. Advanced techniques will include introduction to four mallet playing and reading advanced musical rhythms on drums. Students are required to perform with the CGHS Band program, marching drum line performances and audition for All-District Band or All-Honors Orchestra, or a solo and ensemble festival.

COURSE: Percussion IV (Honors option)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Audition is required

CREDIT: 1

Students will continue to perform more advanced percussion literature grades 3 through 5 and will perform in three major concerts each year as well as several smaller performances and with the band. Students will continue music theory studies.

COURSE: Guitar I (Honors option)

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: none

CREDIT: 1

This course is designed for the beginning students and will develop and advance basic instrumental skills on the guitar, including music reading (standard notation), scales, chords, tablature notation, method exercises, rhythm and tone production. Though by far the main emphasis will be on the guitar, we will also include related ensemble instruments such as bass guitar, percussion, keyboard and vocals. We will also develop skills for ensemble playing, including accompaniment, melody, improvisation, arranging, and harmony. Students who have played some guitar but are not advanced enough for guitar 2 will be accommodated in guitar 1 with more challenging assignments that will address their individual playing level.

In the 1st quarter the emphasis will be on building basic skills, especially music reading and mastery of basic chords. During the 2nd quarter, we will complete reading in the first position and introduce more advanced chords and blues/pentatonic scale improvisation. The 2nd, 3rd, and 4th quarters will become more performance oriented (putting those basic skills to work), with at least one required performance in each quarter. Performances will require and display basic skills in a variety of traditional, rock and classical styles. Students should provide their own instruments and home practice is required.

COURSE: Guitar II (Honors option)

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: Guitar I or approval of the teacher through interview/audition. Student must be proficient in reading in the first position, and know basic first position chords, basic bar chords, and pentatonic scales, and be able to play a simple classical arpeggio piece.

CREDIT: 1

Continues the development of instrumental and ensemble skills begun in Guitar I, especially reading in the higher positions and octave transpositions, more advanced scales and modes for improvisation, and advanced chords, leading to the performance of more difficult material in a variety of traditional jazz and rock styles. Four or more performances will be required. Students should provide their own instruments and home practice is required.

COURSE: Advanced Guitar II (Honors option)

GRADE LEVELS: Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: Guitar I with a minimum grade of A and a minimum test average of B, and approval of the teacher through interview/audition. Student must be proficient in reading in the first position, and know basic first position chords, basic bar chords, and pentatonic scales and be able to play simple classical arpeggio pieces.

CREDIT: 1

Continues the development of instrumental and ensemble skills begun in Guitar I, especially reading higher positions and octave transpositions, more advanced scales in modes for improvisation, and advanced chords, leading to the performance of more difficult material in a variety of traditional, blues rock, jazz, and classical styles, with more emphasis on the classical and jazz repertoire. Three or more performances will be required. Students should provide their own instruments and home practice is required.

COURSE: Guitar III / IV (Honors option)

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: Guitar II and approval of the teacher through interview/audition. Student must be proficient in reading, in first, fifth and twelfth positions, know pentatonic and diatonic scales in all fretboard positions, and be familiar with moveable chord forms, including basic jazz chords.

CREDIT: 1

Continues the development of instrumental and ensemble skills, including advanced reading, transpositions, advanced modal improvisation, advanced chords and ensemble skills, leading to the performance of difficult material in a variety of traditional, jazz, classical and rock styles. Three or more performances will be required. Students should provide their own instruments and home practice is required.

COURSE: Guitar III, IV & V Performance (Honors option)

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: Guitar II with a minimum grade of A and a minimum test average of B, and approval of the teacher through interview/audition. Student must be proficient in reading in first, fifth and twelfth positions, know pentatonic and diatonic scales in all fretboard positions, and be able to solo with those scales and be familiar with moveable chord forms, including basic jazz chords. Students must also be able to play an intermediate classical guitar piece.

CREDIT: 1

Continues the development of instrumental and ensemble skills, including advanced reading, transpositions, advanced modal improvisation, advanced chords, chordal improvisation and ensemble skills, leading to the performance of the most difficult material in a variety of traditional, jazz, classical and rock styles. **Eight or more performances will be required**, some off campus. Students should provide their own instruments and home practice is required.

COURSE: Beginning Strings (Honors option)

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: none

CREDIT: 1

Beginning strings introduces the student to the instrument of choice and the fundamentals of learning to perform; including but not limited to musical notation, rhythm, tone production and ensemble playing. Students should provide their own instruments.

COURSE: Intermediate Strings (Honors option)

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: Beginning Strings or approval of the strings teacher

CREDIT: 1

This class bridges the gap between beginning and advanced strings. Emphasis is placed on position studies, vibrato and intonation as well as ensemble playing. Students must provide their own instruments.

COURSE: Advanced Strings (Honors option)

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: Beginning Strings or approval of the strings teacher

CREDIT: 1

Advanced strings places emphasis on performance and perfecting individual skills. Students should provide their own instruments.

COURSE: Women's Choral Ensemble (Honors option)

GRADE LEVEL(S): Freshman, Sophomore

PRE-REQUISITE: Audition is required

CREDIT: 1

Women's Choral Ensemble is designed to expose the student to the art of choral singing at the high school level. Students are asked to audition in order to place voice parts. Emphases include rudimentary music theory, sight-singing, and ear training. The choir performs SSA and SSAA pieces, both accompanied and a cappella. Music reading is not a prerequisite for this course. Students' proficiencies in these areas will increase as they learn to read, rehearse, and perform various choral works of many different musical styles-both sacred and secular. Participation in school Masses, on and off campus concerts, and performances with other music groups at Cardinal Gibbons is required.

COURSE: Mixed Choral Ensemble (Honors option)

GRADE LEVEL(S): Female: Junior, Senior

Male: Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: Audition is required

CREDIT: 1

Mixed Choral Ensemble performs SAB and SATB music in a variety of styles. Students in this class will have previous experience in music and vocal performance. While our primary focus is performance, sight-reading, theory, and ear training proficiency will be emphasized during class. Participation in school Masses, on and off campus concerts, and performances with other music groups at Cardinal Gibbons is required. Solo and/or small group work will be encouraged. Students may be asked to sing a solo piece for auditions.

COURSE: Advanced Placement Music Theory

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Choral Ensemble, Guitar III/IV, Advanced Strings, Wind Ensemble and permission of the instructor.

CREDIT: 1 AP Fee Required

Advanced Placement Music Theory provides an opportunity for the outstanding music student to prepare for the College Board AP Music Theory exam. Some institutions may give college credit or placement if a qualifying evaluation is received. The student must also perform with one of the instrumental or vocal music ensembles either by independent study or by special arrangement with the instructors.

COURSE: Dance I (Honors option)

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: none

CREDIT: 1

Dance I is divided into four main areas of study: Technique, Dance History, and Performance. The course covers a variety of techniques at the beginning level, including Modern, Jazz, Hip Hop and Ballet. Students will also learn choreographic tools to create movement studies and solos. Two performances are required. Students must provide dance wear attire and dance shoes. Placement for technique level is through audition.

COURSE: Dance II (Honors option)

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITE: Dance 1 or audition

CREDIT: 1

Dance II is divided into four main areas of study: Technique, Dance History, and Performance. The course covers a variety of techniques, including modern, jazz, hip-hop, and ballet. Other forms of dance and movement are introduced including conditioning and Pilates. Students will continue to learn choreographic terms and explore with creating a movement vocabulary. Two Performances are required. Students must provide dance wear attire and dance shoes.

COURSE: Dance III (Honors option)

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: Dance II or audition

CREDIT: 1

Dance III continues to work with technique, dance history, and performance in addition to arts, production, and management. Students continue to further their skills in choreography and present their own solo. Two performances are required. Students must provide dance wear attire and dance shoes.

COURSE: Dance IV (Honors option)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Dance III (Honors)

CREDIT: 1

Dance IV (Honors) continues to work deeper with dance technique including modern/contemporary, jazz, hip-hop, and ballet. Two performances are required. Students will have an opportunity to showcase their own movement studies in class. Students will continue to experiment to look deeper into Improvisation and choreography. Students must provide dance wear attire and dance shoes.

COURSE: Dance V (Honors option)

GRADE LEVEL(S): Senior

PRE-REQUISITE: Dance IV (Honors)

CREDIT: 1

Dance V (Honors) continues to work with dance technique. Students will have the chance to perform their own choreographic studies in a performance and have an opportunity to teach other students their own movement. Students will have a chance to perform in other dance concerts and conventions in North Carolina. Two performances are required. Students must provide dance wear attire and dance shoes.

FOREIGN LANGUAGE DEPARTMENT

COURSE: Latin I

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITES: B Average or better in English and any other language previously studied, and teacher recommendation.

CREDIT: 1

Latin I is designed to enable students to acquire mastery of the basic structure and syntax of the Latin language; to integrate familiarity with Latin vocabulary with English derivatives and word usage; and to develop the basic language skills of reading comprehension, writing, listening, and oral reading in Latin. Students will acquire an informed appreciation of the profound influence of Roman language and civilization on the western world and upon Roman Catholic Christianity.

COURSE: Latin II

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITES: “C” or better average in Latin I, and teacher recommendation

CREDIT: 1

Latin II reviews and builds on the basic forms, syntax, and vocabulary of Latin I. Latin II introduces more advanced grammatical structures and provides extensive reading material designed to enable students to get meaning quickly out of the Latin sentences and paragraphs. Students will continue with their study of Roman history and the influence of Roman culture on western civilization as a whole: “C” average or better in Latin I; teacher recommendation.

COURSE: Latin III Honors

GRADE LEVELS: Freshman, Sophomore, Junior, Senior

PRE-REQUISITES: B+ in Latin II; teacher recommendation

CREDIT: 1

Latin III is a culmination of both the program and purpose of Latin I and Latin II: to acquire proficiency in Latin as a language. Students will continue their study of Latin grammar on a very advanced level. They will continue the practice of oral reading, listening, and Latin composition. The course will culminate with selected readings from Roman authors.

COURSE: Latin IV Honors

GRADE LEVEL(S): Senior

PRE-REQUISITES: B+ or better average in Latin III and teacher recommendation.

CREDIT: 1

Latin IV-Honors is designed for the advanced Latin student who seeks to fulfill the true purpose of the study of Latin: the reading of texts in the original Latin. The course will be a survey in Roman literature ranging from the history of the Gallic Wars written by the illustrious Julius Caesar himself to the timeless prose of the staunchest ally of the Roman Republic, Marcus Tullius Cicero. Students will also read selections from the Vulgate Bible of St. Jerome as well as writings concerning the lives of the Church Fathers and portions of the works of the Fathers themselves. Exercises in the composition of Latin will be continued. Prerequisite: B grade in Latin III; teacher recommendation.

COURSE: Advanced Placement Latin: Vergil

GRADE LEVEL(S): Senior

PRE-REQUISITES: B+ average in Latin III (teacher suggests an A) as well as a summer commitment; B+ in Latin IV; teacher recommendation.

CREDIT: 1

Latin V AP is designed for the truly exceptional student of Latin who wishes to undertake the challenge of the study of one most-read and greatest works of Western literature: the *Aeneid* by the Poet, Vergil. The course is extremely rigorous and will require a summer commitment for students who wish to enter AP directly from Latin III. Students enrolled in AP Latin are required to take the AP Vergil Exam. The AP Latin Exam will test some or all of the following abilities: 1. to write a literal English translation of a Latin passage 2. to explicate specific words or phrases in context 3. to identify the context and significance of a short excerpt 4. to analyze and discuss structure and to demonstrate an awareness of the features used in the construction of a poem. The AP course is designed to fulfill the objectives established by the College Board. For more information, visit: www.apcentral.collegeboard.com

COURSE: French I

GRADE LEVELS: Freshman, Sophomore, Junior, Senior

PRE-REQUISITES: A grade of "C" or better in English and foreign language

CREDIT: 1

French I offers students the opportunity to acquire a beginner's level of proficiency in the basic skills of understanding, speaking, reading, and writing French, and it provides an introduction to the cultures of the French-speaking world.

COURSE: French II

GRADE LEVELS: Freshman, Sophomore, Junior, Senior

PRE-REQUISITES: A grade of “C” or better in French I and the recommendation of the teacher

CREDIT: 1

French II offers students the opportunity to achieve an advanced beginner’s level of proficiency in the basic skills of understanding, speaking, reading, and writing French, and it provides further glimpses into the cultures of the French-speaking world.

COURSE: French III Honors

GRADE LEVELS: Freshman, Sophomore, Junior, Senior

PRE-REQUISITES: A grade of “B” or better in French II and the recommendation of the teacher

CREDIT: 1

French III Honors offers the students the opportunity to achieve an intermediate level of proficiency in the basic skills of understanding, speaking, reading, and writing French. It continues the exploration of the cultures of the French-speaking world by means of articles, stories, literature, history, and film in French.

COURSE: French IV Honors

GRADE LEVELS: Senior

PRE-REQUISITES: B avg. in French III Honors and teacher recommendation

CREDIT: 1

French IV Honors provides a comprehensive grammar review, and introduction to advanced grammar, and a survey of the history and culture of France with a sampling of literary selections by period. The emphasis will be on helping students become more effective in using spoken and written French as a medium of communication.

COURSE: Advanced Placement French Language

GRADE LEVEL(S): Senior

PRE-REQUISITES: B+ avg. in French IV Honors and teacher recommendation

CREDIT: 1 AP Fee Required

This course follows the prescribed curriculum of the Advanced Placement program. It provides an in-depth study of the French language through extensive reading, writing, speaking, and composition at the college level. In May, students are required to take the AP examination.

COURSE: Spanish I

GRADE LEVEL(S): Freshman, Sophomore, Junior, Senior

PRE-REQUISITES: "C" in English; teacher recommendation

CREDIT: 1

This course offers the opportunity to get acquainted with the Spanish language. The students will practice pronunciation, and will work to acquire mastery of the basic structure and syntax of the language. While studying basic grammar structures, the students will also learn about the culture for both Spain and Latin America. The course will start working on the beginner's level of proficiency in the four areas of communication: speaking, reading, writing, and listening.

COURSE: Spanish I Culture

GRADE LEVEL(S): Freshman, Sophomore, Junior

PRE-REQUISITES: None

CREDIT: 1

This course will gradually introduce students to basic grammar, vocabulary and structures of Spanish. Emphasis will be placed on high frequency and useful expressions for everyday communication. Upon completion of Spanish I Culture, students take Spanish II Culture, a terminal course, which will fulfill the second year language requirement.

COURSE: Spanish II

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITES: C+ avg. in Spanish I; teacher recommendation

CREDIT: 1

A continuation of Spanish I. This course offers students the opportunity to achieve an advanced beginner's level of proficiency in the basic skills of understanding, speaking, reading, and writing Spanish. It also provides further glimpses into the culture of the Spanish-speaking world.

COURSE: Spanish II Culture

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITES: Spanish I and teacher recommendation

CREDIT: 1

This course is designed for students who plan to end their language studies upon completion of Spanish II. The focus of this course is primarily on conversation and culture, rather than on increased mastery of grammar and syntax. This course does not qualify a student for admission to either third level of Spanish.

COURSE: Spanish III

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: “C” in Spanish II and teacher recommendation

CREDIT: 1

This course begins with a comprehensive review of Spanish grammar. Advanced grammar is introduced. Grammar and syntax are coordinated with reading in Hispanic culture and literature. Emphasis is also placed on developing conversational and written skills through the use of thematic vocabulary units dealing with everyday situations. Activities are used to develop oral/aural proficiency. Students completing this course will not be eligible for Spanish IV-H.

COURSE: Spanish III Honors

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITES: “B+” in Spanish II and teacher recommendation

CREDIT: 1

Students enrolled in this course are preparing for Spanish IV-H and AP Spanish. The class will be conducted primarily in the target language. Advanced grammar is studied in detail. Grammar and syntax are coordinated with reading in Hispanic culture and literature. Emphasis is also placed on developing conversational and written skills through the use of thematic vocabulary units dealing with everyday situations. Activities are used to develop oral/aural proficiency.

COURSE: Spanish IV

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: “C+” in Spanish III and teacher recommendation

CREDIT: 1

This college prep course is a continuation of Spanish III. It will consist of further study of advanced grammar and vocabulary, along with further development of skills in reading, writing, listening comprehension, and speaking. Students enrolled in this course **may not** continue to the AP level.

COURSE: Spanish IV Honors

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: “B+” in Spanish III Honors and teacher recommendation

CREDIT: 1

The purpose of this honors level course is to prepare the students for the Advanced Placement Spanish course the following year by emphasizing higher level syntax, grammar and vocabulary of the Spanish language. This course is designed to achieve this by: studying advanced grammar, extensive reading comprehension and writing exercises and further development of the accuracy of oral communication in Spanish.

COURSE: Advanced Placement Spanish Language

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: “B+” in Spanish IV Honors and teacher recommendation

CREDIT: 1 AP Fee Required

This course follows the prescribed curriculum of the Advanced Placement Program. It provides an in-depth study of the Spanish language through extensive reading, writing, speaking, and composition at the college level. In May, students are required to take the Advanced Placement examination.

COURSE: Advanced Placement Spanish Literature

GRADE LEVEL(S): Junior, and Senior

Pre-requisite: AP Spanish Language with B+ and Teacher Recommendation

CREDIT: 1 AP Fee Required

Spanish AP Literature is an advanced course designed to be the final step of preparation at the High School level. This course focuses on analyzing the literary selections on the AP Literature list. The course will concentrate on different literary genres: poetry, short stories, drama, and longer prose; and the students will read, analyze, discuss, compare, and write extensively on these readings. (A minimum student enrollment will be required for this class to be offered.)

After finishing the course in May, the students are required to take the Advanced Placement examination.

COURSE: German I

GRADE LEVEL(S): Freshmen, Sophomore, Junior, Senior

PRE-RESQUISITES: A grade of “C” or better in English and any other foreign language

CREDIT: 1

This course offers the opportunity to get acquainted with the German language. The students will practice pronunciation and will work to acquire mastery of the basic structure and syntax of the language. While studying basic grammar structures, the students will also learn about the German culture. The course will start working on the beginner’s level of proficiency in the four areas of communication: speaking, reading, writing, and listening.

As this is a new course, a minimum student enrollment will be required in order for German I to be offered.

HEALTH / PHYSICAL EDUCATION

Health and Physical Education Deferment Policy:

Freshmen at Cardinal Gibbons High School who are pursuing a 3-4 year sequence in a fine art may **defer** the Health/PE requirement. If the student continues in the same fine art for grade 10, the Health/PE department will provide an independent study for completion of the Health/PE requirement, after completion of grade 10. If the student does not continue in the chosen area of the arts, they will be enrolled in Health/PE in the sophomore year since the fine arts requirement, usually taken in grade 10, will have been fulfilled.

COURSE: Health

GRADE LEVEL(S): Freshman

PRE-REQUISITE: none

CREDIT: 1/2

This required course includes health topics which provide the student with a basic understanding of the human body and its system, first aid treatment, substance abuse, health occupations, mental health, physical fitness, disease and related health topics.

COURSE: Physical Education

GRADE LEVEL(S): Freshman, Sophomore

PRE-REQUISITE: none

CREDIT: 1/2

This course provides the student with the basic fundamental skills required for a variety of activities. Its purpose is to develop the components of fitness as well as good sportsmanship in a competitive spirit.

COURSE: Weightlifting

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: none

CREDIT: 1

Subject matter will include principles of beginning weight training as well as thorough coverage of circuit training, Olympic lifting, powerlifting, and bodybuilding. Related topics of coverage will include nutrition, ergogenic drugs, and basic anatomy and physiology. This class will emphasize direct predatory involvement as well as strong written work supplementation.

COURSE: Advanced Weightlifting

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Weightlifting

CREDIT: 1

This course will continue to build on the weightlifting techniques that students learned in Weightlifting. There will be a greater emphasis on Olympic Lifts, as well as exploration of different styles of workouts. Related topics will include proper nutrition, the effects of steroid and supplement use, and a more expansive look at anatomy and physiology. This class will require daily physical workouts supplemented with written work and research.

COURSE: Athletic Training and Sports Safety Training

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: none

CREDIT: 1

This course provides the student with the most current information possible on the subject of prevention and basic care of sports injuries. This course is designed for students going into the field of coaching and /or physical education, and the medical/healthcare profession. Its major thrust is toward injury prevention and immediate care of the most common sports injuries. Basic foundations are also provided for the student interested in substantive areas of rehabilitation.

COURSE: Exercise and Sport Science

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: Teacher Recommendation

CREDIT: 1/2

This course will examine the methods and techniques that are involved in successful preparation for athletes. Students will be exposed to a variety of exercises and training methods in an academic setting, and then the students will gain further understanding by practicing and utilizing the techniques. The class will also learn about sports nutrition, sport psychology, and other elements that can enhance the ability of the student athlete. There will be written supplemental work and research on selected topics.

MATHEMATICS DEPARTMENT

Please Note: *Placement in all math courses requires a teacher recommendation. Several courses also require a placement test or a prerequisite score on the PSAT. Teachers will arrange placement tests when necessary for qualified students. All incoming freshmen will be placed in the appropriate course based on their performance on the entrance exam and review of their current report card.*

Most courses require students to own a graphing calculator. The TI-83 or TI-84 family of calculators is strongly recommended.

Students graduating in 2006 and subsequent years must complete one course beyond Algebra II to be considered for admission to the N.C. University System.

COURSE: Essential Algebra I

GRADE LEVEL(S): Freshman

PRE-REQUISITE: Decision of math department

CREDIT: 1

This course is designed to build students' math confidence and basic skills while helping them make the transition from elementary mathematics to the study of algebra. The course begins with a review of basic operations with whole numbers, fractions, decimals, percents and integers. A significant portion of this course will then focus on simplifying algebraic expressions, solving and graphing linear equations and inequalities, special products and factoring. A scientific calculator is required.

COURSE: Algebra I

GRADE LEVEL(S): Freshman

PRE-REQUISITE: Decision of math department

CREDIT: 1

In Algebra I, the student is introduced to the real number system and its properties. Topics will include simplifying polynomial expressions, solving and graphing algebraic equations and inequalities, and systems. There is an emphasis placed on applications and graphing in this course. A graphing calculator is required, and any TI-83 plus or any TI-84 is recommended.

COURSE: Essential Geometry

GRADE LEVEL(S): Sophomore

PRE-REQUISITE: Decision of Algebra I teacher

CREDIT: 1

This course stresses the direct application of postulates and theorems to practical situations and does not stress geometric proofs. Topics include: geometric definitions and symbols, congruence, similarity, polygons, circles, area, and volume. The course is recommended for students who have just completed Essential Algebra I. A scientific calculator is required.

COURSE: Geometry

GRADE LEVEL(S): Freshman, Sophomore

PRE-REQUISITE: “C” average in Algebra I and recommendation of teacher

CREDIT: 1

Geometry is an introduction to deductive reasoning and formal proof. There will be emphasis on developing these skills using topics in plane geometry. These topics include: angles, congruence and similarity of triangles, parallel lines, polygons, circles, area and volume. Problems will make use of the skills acquired in Algebra I. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: Geometry Honors

GRADE LEVEL(S): Freshman, Sophomore

PRE-REQUISITE: “A” average in Algebra I, placement test and recommendation of teacher; Incoming Freshmen: “A” average in Algebra I, review of entrance exam results and recommendation of current math teacher

CREDIT: 1

Geometry Honors is a more challenging approach to the topics covered in geometry. Emphasis is placed on discovering and proving conjectures using inductive and deductive reasoning. The course integrates algebraic and problem solving skills using new geometry concepts. Students are introduced to transformational geometry, fractals and non-Euclidean geometries. A graphing calculator is required, and any TI-83 any TI-84 is recommended.

COURSE: Essential Algebra II

GRADE LEVEL(S): Junior

PRE-REQUISITE: Recommendation of Geometry Teacher.

CREDIT: 1

Algebra skills will be reviewed and applied to linear, quadratic, exponential and logarithmic functions. Students' graphing skills will be reinforced and expanded. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: Algebra II

GRADE LEVEL(S): Freshmen, Sophomore, Junior

PRE-REQUISITE: "C" average in Algebra I and Geometry and recommendation of teacher.

CREDIT: 1

In this course the student makes an in-depth study of the number systems and solves equations and inequalities in both real and complex numbers. Algebra skills are applied to linear, quadratic, exponential and logarithmic functions. Students will also study conic section and matrices. There is an emphasis placed on applications and graphing in this course. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: Algebra II/Trig Honors

GRADE LEVEL(S): Freshman, Sophomore, Junior

PRE-REQUISITE: All four of the following requirements must be met: "A" average in Algebra I, "A" average in Geometry or an "A or B" average in Geometry Honors, PSAT score of 50 **or** satisfactory performance on a placement test, and recommendation of the teacher.

CREDIT: 1

This course is a more rigorous approach to the topics in Algebra II. Trigonometry will be studied and there will be an emphasis on skills necessary for pre-calculus. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: Pre-Calculus

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: "C" average in Advanced Functions and Modeling Honors, "C" average in Algebra II/Trig Honors, or "B" Average in Advanced Functions and Modeling; and recommendation of the teacher.

CREDIT: 1

Pre-Calculus involves an in-depth analysis of polynomial, rational, exponential, logarithmic and trigonometric functions including applications. This course prepares a student for Calculus at the high school or college level. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: Pre-Calculus Honors

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: “B” average in Algebra II/Trig Honors or an “A” average in Advanced Functions and Modeling Honors, a PSAT score of at least 55 **or** satisfactory performance on a placement test, and recommendation of the teacher.

CREDIT: 1

This course is a more rigorous approach to the topics in Pre-Calculus using both an analytical and a graphical approach. An emphasis will also be placed on relating the polynomial, rational, exponential, logarithmic and trigonometric functions to data analysis. Students will be introduced to limits, continuity, parametric and polar equations, and matrices. This course prepares students for AP Calculus. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: Calculus Honors

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: “B” average in Pre-calculus or a “C” average in Pre-Calculus Honors; and recommendation of the teacher

CREDIT: 1

Calculus continues the study of functions and introduces both differential and integral calculus with applications. The course gives students a strong foundation for college-level calculus. This course is strongly recommended as a rigorous fourth year math course. Students who take Calculus **may** qualify to take a placement test for college credit. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: AP Calculus AB

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: “B” average in Pre-calculus Honors and recommendation of the teacher. Students may be asked to take a placement test.

CREDIT: 1 AP Fee Required

Calculus involves an in-depth look at functions and the use of limit, derivative and integration concepts in graphing and analysis. The curriculum follows the College Board’s recommendation and students must take the Advanced Placement exam in the spring to earn credit for this class. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: AP Calculus BC

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: “A” average in Pre-Calculus Honors and recommendation of the teacher. Students may be asked to take a placement test.

CREDIT: 1 AP Fee Required

Calculus BC is a more extensive and demanding study of Calculus than Calculus AB. Students who receive qualifying scores on the BC test usually receive credit for two semesters of college calculus. The students must take the Advanced Placement exam in the spring to earn credit for this class. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: AP Statistics

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: “A or B” average in Pre-Calculus, “A” average in Advanced Functions and Modeling Honors or an “A or B” average in Pre-Calculus Honors and recommendation of the teacher.

CREDIT: 1 AP Fee Required

This course is an in-depth study of Statistics equivalent to a one-semester Introduction to Statistics course at the university level.

The purpose of the course is to introduce the students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will frequently work on projects involving the hands-on gathering and analysis of real world data. This course is recommended for students who plan a major in college in engineering, psychology, sociology, business or the biological and health sciences. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: Advanced Functions and Modeling

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: “C” average in Algebra II and recommendation of the teacher.

CREDIT: 1

This course provides students with an in-depth study of modeling and applications of functions. The functions will include, but are not limited to, linear, quadratic, exponential, logarithmic and trigonometric. The applications will cover home, work, recreation, consumer issues, public policy, and scientific investigations, just to name a few. The student will continue study in graphing techniques and will make use of appropriate technology. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: Advanced Functions and Modeling Honors

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: "A" average in Algebra II and recommendation of the teacher.

CREDIT: 1

This course is a more rigorous and faster-paced approach to linear, quadratic, polynomial, exponential, logarithmic and trigonometric functions. The course also provides an in-depth study of function modeling and the application of these functions. The student will continue study in graphing techniques and will make use of appropriate technology. Students completing this course will be prepared for either Precalculus or AP Statistics. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: Discrete Mathematics

GRADE LEVEL(S): Senior

PRE-REQUISITE: Algebra II or Essential Algebra II and recommendation of the teacher

CREDIT: 1

Several diverse topics will be covered in this course including: consumer math and social choice, set theory, statistics, and matrices. Applications and the use of technology are central to the course. A study of several algebraic topics including probability and trigonometry will be presented as time allows. A graphing calculator is required, and any TI-83 or any TI-84 is recommended.

COURSE: Calculus III

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: BC – AP Exam score of 4 or 5

CREDIT: $\frac{1}{2}$

Note: Students may register for college credit through NCSU.

This course is the third of three semesters in a calculus sequence. Topics covered will include (but not limited to) vectors, vector algebra, vector functions, functions of several variables, partial derivatives, gradients, directional derivatives, maxima and minima, multiple integration, line and surface integrals, Green's Theorem, Divergence Theorems, Stokes' Theorem, and applications. Use of computational tools will also be included.

COURSE: Differential Equations

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: BC – AP Exam score of 4 or 5, successful completion of Calculus III

CREDIT: $\frac{1}{2}$

This course covers first order differential equations with applications; second order linear differential equations with applications in mechanics and other areas elementary matrix algebra, systems of linear equations and applications. Laplace transforms; numerical methods for approximating solutions for differential equations will also be included. Applications to population, economic, orbital and mechanical models are included.

COURSE: Introduction to College Mathematics, ICM

GRADE LEVEL(S): Senior

PRE-REQUISITE(S): “A” average in Advanced Functions and Modeling or a “B” average in Advanced Functions and Modeling Honors, or Pre-Calculus, and at least 3 years of high school math and recommendation of current math teacher.

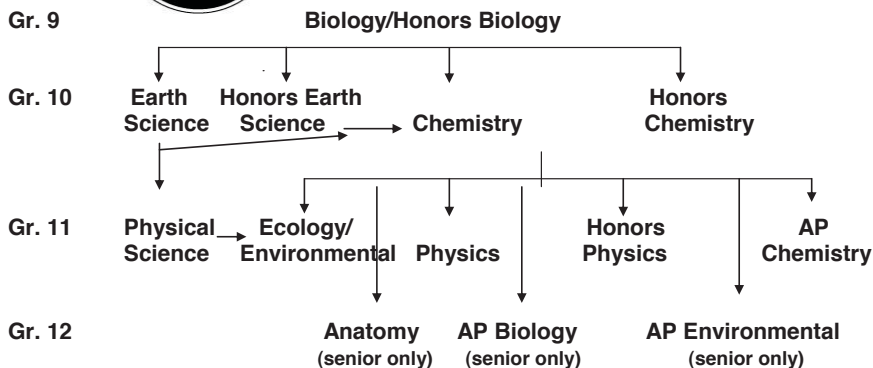
CREDIT: 1

This course is recommended for those who want a challenging math class that will introduce the students to most areas that are covered at the entry level of college. The goal for this class is to integrate basic elementary matrix methods, sets, counting techniques, linear programming, modeling of real life situations through graph theory, data collection and analysis, fair and estate division, apportionment, and may include some advanced math topics. Many of the objectives require students to apply knowledge to new situations rather than following a procedure. This class includes challenging questions for enrichment and discussion as well as math investigations. A graphing calculator is required, and any TI-83 or TI-84 calculator is recommended.

SCIENCE DEPARTMENT



CGHS Science Sequence



1. All CGHS students must take three years of science.
2. Students in Wake County Schools have a required earth science course. Freshmen, please consider this as a sophomore option if you do not want to take ecology/environmental or physics as a junior.
3. Students must take biology and either physical science or chemistry to graduate.
4. Four years of science with chemistry are recommended for four-year colleges.
5. A biology, chemistry and physics course are **the best background** for a career in science, engineering or medicine. Universities view taking physics positively when selecting incoming college freshmen!
6. Sophomores take earth science, honors earth science, chemistry or honors chemistry depending on biology and math grades. There is **no need to take chemistry as a sophomore** unless you will be mathematically ready for physics or AP chemistry as a junior. Remember that AP Biology, AP Environmental, and Anatomy are **senior only** courses.
7. Students coming from earth science or earth science honors go either into physical science or chemistry
8. Chemistry must be **taken before** physics, honors physics, AP chemistry, AP biology, AP environmental, or anatomy.
9. Physics, honors physics, environmental issues/ecology or AP chemistry can be taken in gr.11 or 12.
10. Anatomy, AP Environmental, and AP Biology are **senior's only** courses.

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11. Sophomores coming out of chemistry, who do not have the math for physics or an AP course, are recommended to take environmental issues and ecology. It is our hope that most students take either earth science or environmental science before graduation.
 12. Please note carefully the pre-requisites for honors and AP courses.
 13. A solid math background and an aptitude for math are important for chemistry, physics, honors and AP courses.
 14. **Parents, please check with a student's present science teacher if you have a question on placement**

COURSE: Biology

GRADE LEVEL(S): Freshman

PRE-REQUISITE: none

CREDIT: 1

This laboratory course covers the chemical and physical nature of living things with an emphasis on the cell, its anatomy and physiology. The course includes a general survey of all 5 kingdoms focusing on their interactions with each other, their relationship with humans, and the basic principles of Ecology. Emphasis is placed upon the skills of microscope use, safe laboratory practices, dissection and the continuing use of proper scientific methods.

COURSE: Biology Honors

GRADE LEVEL(S): Freshman

PRE-REQUISITES:

1. The review of entrance test results administered by CGHS, especially math **and** reading;
2. The final grade of "A" in both 8th grade science and math courses;
3. Student/parent/department chairperson dialogue as necessary;
4. Math placement in honors geometry for grade 9. (Placement in Geometry with department approval.)

CREDIT: 1

Biology honors will cover most areas of Biology. An emphasis is placed on inquiry to discover the major concepts in Biology – energy and matter, maintenance of equilibrium, evolution, interactions, interdependence, genetic continuity, growth and differentiation, and the place of science in society. Laboratory experience is extensive with work both in the lab and outside. This course is designed to help students to begin to view life from the level of the biosphere to the molecular level. Students will produce a minimum of two formal lab reports.

COURSE: AP Biology

GRADE LEVEL(S): Seniors only

PRE-REQUISITE: A grade of “A” or better in chemistry or a grade of “B” or better in Chemistry Honors. A grade of “A” or better in Biology or a grade of “B” or better in Honors Biology.

CREDIT: 1 AP Fee Required

AP Biology covers a vast amount of material in the following areas: molecules and cells, heredity and evolution, and organisms and populations. Students will be required to perform and write-up numerous observational, inquiry and experimental laboratories. Due to limited classroom time, a weekly morning class and two Saturday laboratories will be required. All students in this course must take the Advanced Placement Exam in May.

COURSE: Earth Science

GRADE LEVEL(S): Sophomores as placed by Department or sophomores taking geometry.

PRE-REQUISITE: Biology

CREDIT: 1

The earth science curriculum focuses on the function of the earth’s systems. Emphasis is placed on crustal dynamics, models of the earth, minerals and rocks, geologic history, earth’s motions, and environmental awareness. Students will develop knowledge of measurements and skill in making observations to use in future science courses.

****Note to parents of current freshmen:*** Earth science is required for all sophomores not taking chemistry or honors chemistry. **All freshmen currently enrolled in geometry** who are recommended by their present math & biology teachers can enroll in a chemistry course as sophomores. Freshmen who are weak in math or biology should enroll in earth science to better prepare themselves for chemistry and physics by learning better science skills in earth science and by having another year of high school math before attempting chemistry. Students who plan on taking chemistry, physics and either AP Chemistry or anatomy need to take chemistry as a sophomore. After earth science, students can still go into chemistry and take either physics or anatomy or AP chemistry as a senior. **It is not recommended to take chemistry while still in geometry.**

COURSE: Earth Science Honors

GRADE LEVEL(S): Sophomores as placed by Department

PRE-REQUISITE: Biology (at least a “B+”) and at least a “B+” in the current math class

CREDIT: 1

Earth Science Honors will be an in-depth laboratory course with concentrations in geology, meteorology, oceanography, and astronomy. The course will allow students to perform hands-on experimentation and conduct field research. This accelerated course will include topics in weather analysis, global climate patterns, erosion processes and controls, geological history, and current astrological discussions. The students will apply knowledge of the subject matter to current local and global problems. A minimum of two research projects encompassing field study will be required.

COURSE: Physical Science

GRADE LEVEL(S): Junior

PRE-REQUISITE: Earth Science

CREDIT: 1

Semester 1: The goal in physical science is to improve problem-solving skills and basic knowledge in physics. Students will review the metric system, exponents, scientific notation and the use of the scientific calculator, techniques in solving world problems and the graphing of experimental data. Fundamental physics topics include motion, force, work, energy and phases of matter.

Semester 2: The goal in physical science is to improve problem-solving skills and basic knowledge in chemistry. Students will review the metric system, exponents, scientific notation and the use of the scientific calculator, techniques in solving world problems and the graphing of experimental data. Fundamental chemistry topics include properties of matter, chemical formulas and equations, the mole and related lab work.

NOTE: *Chemistry is a recommended science for a college prep curriculum. Exceptions to taking chemistry will be handled on an individual basis by the science department.*

COURSE: Chemistry

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITES: Minimum grade of an “87%” in Biology. Enrolled in Algebra II or higher math. Minimum of 80% on the Chemistry Math Readiness Placement Test. **For those coming from Earth Science:** Minimum grade of “87%” in Earth Science.

CREDIT: 1

This laboratory course will investigate the structure, properties and composition of matter. Mathematical rigor will be emphasized, and students will need a strong foundation in math. This course will cover basic first year college concepts in chemistry such as atomic and molecular structure, the periodic table, chemical reactions, equilibrium, energy changes and reaction rates, kinetic theory, solutions, redox and thermochemistry. Students should be prepared for a demanding course load and a relatively fast paced presentation of material. Critical thinking, problem solving, scientific inquiry and concept mastery are the cornerstones of this course. Students will be prepared to enter an introductory course in college chemistry in the science major.

COURSE: Chemistry Honors

GRADE LEVEL(S): Sophomore, Junior

PRE-REQUISITES: “A” in Algebra I and Biology or Biology Honors; enrolled in Algebra II/Trig. Honors; department/instructor approval

CREDIT: 1

Chemistry Honors is an in-depth laboratory course requiring extensive self-motivation and self-monitoring. By programmatically infusing concept mastery, critical thinking, problem solving, and laboratory experimentation strands, this program underpins and expands upon the facts, formulas, and principles of a regular chemistry course. This course is geared toward why chemistry happens and students will be required to explain what happens using mathematical skills with little difficulty. Extensive laboratory experimentation highlights this course.

COURSE: Advanced Placement Chemistry

GRADE LEVEL(S): Juniors, Seniors

PRE-REQUISITES: Grade of B+ in honors or A in regular chemistry (departmental approval required)

Please note: Students moving into AP chemistry from regular chemistry will be required to complete summer coursework with a tutor prior to taking AP chemistry to insure an adequate chemistry foundation.

CREDIT: 1 AP Fee Required

This laboratory course is intended to prepare the student to earn college credit by passing the Advanced Placement test in chemistry. This course is presented at college level and at an accelerated pace. This second year chemistry course will present first year topics in greater detail and will additionally explore solubility, equilibrium, weak acids and bases, buffers, thermodynamics, kinetics, electrochemistry, complex ions, analysis and nuclear chemistry.

The course is intended to fully cover all topics in college freshman year chemistry, but will not include organic chemistry.

AP chemistry is recommended for students with a serious interest in science or those who are considering health care careers. Such students should also take honors physics.

NOTE: *Students planning on an engineering career should take physics or honors physics.*

COURSE: Physics

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: Minimum grade of an “87%” in Chemistry and a “B+” in Algebra II. Minimum of 80 on the Physics Math Readiness Test.

CO-REQUISITE: Enrolled in Advanced Functions and Modeling **Honors** or higher math, departmental approval

CREDIT: 1

In this laboratory course, students will actively study classical kinetics and dynamics of motion, work and energy, momentum and collisions, magnetism and electricity, sound and light. Emphasis will focus on the development of critical thinking skills and problem solving.

COURSE: Physics Honors

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: “B+” in Chemistry or “B” in Chemistry Honors; “B” in Algebra II-Trig Honors; a math score of 60 on the PSAT. Minimum of 80 on the Physics Math Readiness Placement Test

CO-REQUISITE: Enrolled in Pre-calculus or higher math, departmental approval

CREDIT: 1

This is a fast paced laboratory course with emphasis on mastery of graphical techniques of data analysis. Physics Honors students should be willing to devote significant time to reading, homework problem sets and lab reports. In addition to the topics studied in physics, honors physics students will investigate various special topics.

COURSE: Environmental Issues (Semester 2)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: Chemistry or physical science; departmental approval

CREDIT: 1/2

Environmental Science is the study of human impact on the environment. In this lab-lecture course students will consider current environmental issues that impact their lives. Topics that will be considered are water, peak oil, natural resource depletion, waste, food and agriculture, and sustainability. They will study the problems and consider possible solutions. Environmental Issues uses much of the knowledge obtained in biology and chemistry to investigate relationships and problems in the environment.

COURSE: Advanced Placement Environmental Science

GRADE LEVEL(S): Senior

PRE-REQUISITES: A grade of “B+” in Chemistry or a grade of “B” in Honors Chemistry. Departmental Approval

CREDIT: 1 AP Fee Required

This laboratory course is intended to prepare the student to earn college credit by passing the Advanced Placement test in environmental science. It will provide students with knowledge of the principles that underlie the interrelationships of the natural world and methods to identify and analyze natural problems and human-caused problems in the environment along with examination of possible solutions to these problems. Environmental Science uses much of the knowledge students gained in Biology and Chemistry to investigate relationships and problems in the environment. Much of the lab work is done outdoors. Due to limited classroom time, Saturday and after school labs will be required. All students in this course must take the Advanced Placement Exam in May. Students are required to pay the AP examination fee.

COURSE: Ecology (Semester 1)

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: Chemistry or Physical Science, Departmental Approval

CREDIT: 1/2

Ecology is the study of the interactions of living organisms with one another and with their environment (living and non-living). This is a lecture-lab course covering basic principles of ecology including evolution, natural selection, ecosystems, biomes, and population biology. Students will also examine the importance of biodiversity, mankind's role in the current rate of extinction, and current conservation efforts. Labs will involve ecological sampling techniques and statistical analysis of data. Ecology uses knowledge gained from previous courses in math and science. In the 2008-2009 academic year, Ecology will be offered in the **first semester**.

COURSE: Human Anatomy & Physiology

GRADE LEVEL(S): Senior

PRE-REQUISITES: Biology, Algebra, "C" in Chemistry

CREDIT: 1

This course is designed to introduce students pursuing careers in the allied health fields to the structure and function of the human body. Building in an understanding of anatomical concepts and physiological processes, rather than rote memorization, is emphasized. Discussions of clinical examples, current research techniques, and medical ethics occur to highlight these complimentary areas. The meticulous dissection of a lower mammal and various other major mammalian organs will form the framework for the Gross Anatomy study.

COURSE: Laboratory Assistant

GRADE LEVEL(S): Senior

PRE-REQUISITES: Biology, Chemistry; recommendation of science instructor.

CREDIT: 1/4 per semester

This lab course offers students the opportunity to explore laboratories in their favorite science course. Student will set up the classroom laboratories and classroom demonstrations and help the instructor break them down. Students will also help the instructor to manipulate experiments in order to test for possible outcomes to the standard laboratory. Emphasis is placed on general laboratory knowledge and a readiness to learn and explore new avenues in science.

SOCIAL STUDIES DEPARTMENT

COURSE: World Geography

GRADE LEVEL(S): Freshman

PRE-REQUISITE: none

CREDIT: 1/2

World Geography emphasizes the relationship between geography and culture in selected regions of the world. There will be special emphasis on the map reading and analysis skills, note taking, problem solving and predicting, and the interrelatedness of the human and physical world. Topics include Latin America, Europe, Russia and the Eurasian Republics, the Middle East, as well as, China and Southeast Asia.

COURSE: World History

GRADE LEVEL(S): Sophomore

PRE-REQUISITE: none

CREDIT: 1

This required course aims at surveying the major cultural historical movements, periods, and personalities which have contributed to the development of Western civilization, enhancing student appreciation of non-Western culture, and developing such skills as time/date concepts, geographical awareness and historical method.

COURSE: World History Honors

GRADE LEVEL(S): Sophomore

PRE-REQUISITES: An "A" average or better in English 9 or a "B" average or better in English 9 Honors, a minimum combined PSAT verbal and writing score of 90, and department recommendation.

CREDIT: 1

Honors World History is a survey course which emphasizes the history of Western civilization. A survey of the major cultural, political, social, and economic developments of western cultures will be examined. Representative non-western cultures will also be studied. Primary source documents, the historical method, and research and writing in the discipline of history will be emphasized.

COURSE: AP World History

GRADE LEVEL(S): Sophomore (2 “before” school classes, per week are held - attendance is strongly recommended.)

PRE-REQUISITE: An “A” average or better in English 9 Honors, a minimum combined PSAT verbal and writing score of 100, and department recommendation.

CREDIT: 1 AP Fee Required

A.P. World history is a rigorous course that emphasizes wide reading, critical thinking, research, and writing. The course will trace the development of world civilizations and cultures from ancient times to present, exploring especially temporal interrelationships between periods of time within societies as well as cross-cultural comparisons and interrelationships. Students will take the advanced placement test in May, for which college credit may be available for qualifying scores. This course fulfills the World History requirement. AP Fee Required.

COURSE: American History

GRADE LEVEL(S): Junior

PRE-REQUISITE: none

CREDIT: 1

American History is a required course which surveys the growth and development of the United States and its people from colonization to Reconstruction (semester 1) and from the post-Civil War economic developments to the present (semester II). The events of our national history are viewed in terms of the impact they have had on the political, economic, social and cultural character of American society.

COURSE: American History Honors

GRADE LEVEL(S): Junior

PRE-REQUISITE: “A” average in World History or “B” average in World History Honors; combined PSAT verbal and writing skills score of 100; department recommendation.

CREDIT: 1

American History Honors is a year-long survey course which fulfills the American History requirement. Semester I will be devoted to a study of the Colonial period through the Civil War. Semester II will cover Reconstruction to the 1970s. An extensive amount of reading, writing, and research will be required.

COURSE: AP American History

GRADE LEVEL(S): (Junior 2 classes per week before school are held - attendance is strongly recommended.)

PRE-REQUISITE: "A" average in World History or "B" in World History Honors; combined PSAT verbal and writing skills score of 110; department recommendation

CREDIT: 1 AP Fee Required

A.P. History is a rigorous course which emphasizes wide reading, critical thinking, and research. Students may take the advanced placement test in May, for which college credit may be given if a qualifying score is made. This course fulfills the American History requirement.

COURSE: U.S. Government

GRADE LEVEL(S): Senior

PRE-REQUISITE: none

CREDIT: 1/2

U.S. Government is a required semester course which concentrates on the democratic principles upon which the United States is founded. The meaning of citizenship in terms of the rights and responsibilities of the people of the United States is stressed. Areas examined include: the adoption of the Constitution, the three branches of government, local and state governments, the art of politics, and current events.

COURSE: U.S. Government Honors

GRADE LEVEL(S): Senior

PRE-REQUISITES: "A" average in American History or "B" average in American History Honors, "C" average in Advanced Placement American History, combined PSAT verbal and writing skills score of 105; department recommendation

CREDIT: 1/2

U.S. Government Honors is a semester survey course which examines the democratic system upon which the United States government is based. The rights and responsibilities of citizens, the federal system as established by the Constitution, political parties, the workings of the three branches of government, and state and local governments will be studied in some depth. Emphasis will be placed on the examination of the workings of the U.S. judicial system.

COURSE: AP United States Government and Politics

GRADE LEVEL(S): Senior

PRE-REQUISITES: “A” average in American History Honors or “B” average in AP American History, combined PSAT verbal and writing skills score of 110; department recommendation

CREDIT: 1 AP Fee Required

AP United States Government and Politics is a rigorous course which provides an analytical perspective on government and politics in the United States. It will familiarize students with various institutions, groups, beliefs, and ideas that constitute U.S. Politics. Topics covered include: The constitutional underpinnings of the United States government, political beliefs and behaviors, political parties, interest groups, and mass media, institutions of the national government, public policy, and civil rights and civil liberties.

Students are required to take the advanced placement test in May, for which college credit may be given if a qualifying score is made.

COURSE: Economics

GRADE LEVEL(S): Senior

PRE-REQUISITE: none

CREDIT: 1/2

Economics is a required course which aims at introducing the fundamental principles and theories of economics. Basic issues of scarcity, supply and demand, market, the role of government, employment, inflation, and money and banking are examined.

COURSE: Economics Honors

GRADE LEVEL(S): Senior

PRE-REQUISITES: “A” average in American History or “B” average in American History Honors or “C” average in Advanced Placement American History combined with PSAT verbal and math skills of 105, and department recommendation

CREDIT: 1/2

Economics Honors is a semester survey course which introduces the fundamental principles of economics. Basic concepts of scarcity, supply and demand, price determination, the role of government, the Federal Reserve system, and business organizations will be examined. The course will focus on the role of the United States in international trade.

COURSE: Foundations of Western Civilization Honors

PRE-REQUISITE: none

GRADE LEVEL(S): Senior

CREDIT: 1

Foundations of Western Civilization (Honors) is a full year elective course that examines, in an inter-disciplinary fashion, the ancient civilizations of classical Greece and Rome, as well as their impacts on the Hellenistic world and emerging western culture. Semester One topics focus on ancient Greece and include: the emergence of Greek civilization in the Bronze Age; the rise of aristocracy and the aristocratic cultural paradigm in the Archaic Age; the emergence of new political forms, philosophy, and artistic endeavors in the Classical Age; and the eventual disintegration of Greek political autonomy. The Second Semester focuses on the Hellenistic world and Rome. Topics include: the empire of Alexander the Great; the development and spread of Hellenism; the emergence of Rome as a regional power; the Roman Republic and the spread of empire; and the Roman imperial monarchy. Throughout the course, linkages and analogies are drawn to both historical and modern-day western societies.

COURSE: Psychology - Semester I

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: none

CREDIT: 1/2

Psychology is an elective course in which students will examine various aspects of psychology, including but not limited to Personality Theory, Motivation Theory, Emotion Theory, and Learning Theory. The works of major psychologists will be studied. All of the material will focus and apply to the problems of adolescents.

COURSE: Sociology - Semester II

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: none

CREDIT: 1/2

Sociology is an elective course. It provides the student with an introduction to the ways sociologists investigate, describe and analyze social life. The students will learn the characteristics and behavior patterns of the basic societal groups.

COURSE: Constitutional Law Honors

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Department recommendation

CREDIT: 1/2

Constitutional Law Honors is a junior/senior elective course which will examine constitutional rights and due process in today's society. Landmark court cases will be studied from both an historical and a contemporary viewpoint. Students will learn about the judicial process through participation in trial simulations throughout the semester. Students enrolled in AP U.S. Government and Politics are strongly encouraged to take this class.

THEOLOGY DEPARTMENT

****Honors Option**

All Junior and Senior Theology courses may be taken for Honors credit. The honors option expands the approach to the content of the courses with the intent of developing greater critical reflection skills, enhancing course content, and promoting more in-depth research. Students receive course-specific information about the Honors option in the courses where it is offered at the beginning of the semester.

COURSE: The Light of Faith: An Overview of Catholicism (Christology & Sacraments)

GRADE LEVEL: Freshman

PRE-REQUISITE: none

CREDIT: 1

This course serves two purposes: (1) “to introduce students to the Mystery of Jesus Christ, the Living Word of God, the second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate revelation to us from God. In learning about who he is, the students will also learn who he calls them to be”; and (2) “to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the Sacraments in detail so as to learn how they may encounter Christ throughout life.” (*Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*, pp. 6 & 20)

COURSE: The Revelation of Jesus Christ in Scripture (Old & New Testament)

GRADE LEVEL: Sophomore

PRE-REQUISITE: none

CREDIT: 1

“The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible, and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels where they may grow to know and love Jesus Christ more personally.” (*Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*, p.2)

COURSE: Jesus Christ’s Mission Continues in the Church (Church History)

GRADE LEVEL: Junior

PRE-REQUISITE: none

CREDIT: 1/2

“The purpose of this course is to help the students understand that in and through the Church they encounter the Living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This body has both Divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.” (*Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*, p.15)

COURSE: Life in Jesus Christ (Morality)

GRADE LEVEL: Junior

PRE-REQUISITE: none

CREDIT: 1/2

“The purpose of this course is to help students understand that it is only through Christ that they can fully live out God’s plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ’s disciples.” (*Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*, p.27)

COURSE: Living as a Disciple of Jesus Christ in Society (Peace & Justice)

GRADE LEVEL: Senior

PRE-REQUISITE: none

CREDIT: 1/2

“The purpose of this course is to introduce students to the Church’s Social Teaching. In this course students are to learn how Christ’s concern for others, especially the poor and needy, is present today in the Church’s social teaching and mission.” (*Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*, p.40)

COURSE: Social Justice: Dignity of the Human Person

GRADE LEVEL: Senior

PRE-REQUISITE: none

CREDIT: 1/2

The purpose of this course is to examine the foundational principles of the dignity of the human person, respect for life, and family and community participation. The content of the course of studies addresses the application of these principles to contemporary social problems including moral challenges to human dignity and respect for life, prejudice, and discrimination.

COURSE: Ecumenical and Interreligious Issues

GRADE LEVEL: Senior

PRE-REQUISITE: none

CREDIT: 1/2

“The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God’s Revelation, the course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems and practice differ from the Catholic faith.” (*Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*, p.49)

COURSE: Foundations of the Catholic Worldview

GRADE LEVEL: Senior

PRE-REQUISITE: none

CREDIT: 1/2

The purpose of this course is to introduce students to the philosophical foundations of Catholicism by examining the lives and thought of philosophers and theologians who have contributed significantly to the establishment of that foundation. Emphasis is placed especially on Plato and successive Christian ‘Platonists’ like St. Augustine, and on Aristotle and Christian ‘Aristotelians’ like St. Thomas Aquinas. The relationship between these philosophers and their Christian successors is used as a model for understanding the relationship between (1) Catholicism and secular culture, (2) reason and revelation, and (3) Catholic thought and Catholic life. Contemporary Thomistic Catholics and the Church’s responses to Modern and Post-modern worldviews are also considered.

COURSE: Responding to the Call of Jesus Christ (Christian Vocations and Ministry for Leadership)

GRADE LEVEL: Senior

PRE-REQUISITE: None

CREDIT: 1/2

“The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course students should learn how all vocations are similar and how they differ. The course should be structured around married life, single life, priestly life, and consecrated life. Students should learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.” (*Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*, p.44)

Campus Ministry Service-Hour Policy

The mandate of social justice is constitutive of the gospel message and is reflected in the new organizational structure of CGHS Campus Ministry: Outreach and Spiritual Life. Our service hour policy is in keeping with this emphasis on the integrative commitment of deeper life with God and richer life with one another.

The CGHS Director of Outreach, takes every student in our school for a day of service to a community agency. In this way, Campus Ministry facilitates meaningful experiences of involvement for all our students. Additionally, students are afforded opportunities to pray and reflect in order to enhance and deepen their experience, understanding their experience in light of the gracious totality of Christ's offering for humanity and our responsibility of stewardship for all members of God's good creation. Students must participate in this day of service to receive credit in their Theology course.

If a student performs service outside of school and wishes to "track" these hours for college or service awards, the Director of Outreach will administer these records. When students engage in a service activity, they should have the agency document their work on official letterhead and return the documentation to the Director of Outreach in Plant Ops at school.

Please contact Campus Ministry directly or see our page on the school website for more information.

AUXILIARY SERVICES

COURSE: Curriculum Assistance

GRADE LEVEL(S): All

PRE-REQUISITE: Recommendation of department chair

CREDIT: 1

The Curriculum Assistance program is for students with documented learning differences. The purpose of the program is to provide individual assistance in the area of organizational skills; and to give academic support in course work. Prior to acceptance into the program, test scores, diagnostic evaluations and other pertinent material will be reviewed to determine eligibility and to identify the specific accommodations that can be made for the student. A grade of Pass or Fail is given for this course.

MEDIA AND PUBLICATIONS

COURSE: Library/Media Studies - I

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITES: Recommendation of Media Specialist

CREDIT: 1/4

Library/Media Studies is an instructional program of organization and training resulting in a service/learning experience. Students serve as assistants, helping other students use the library, assisting faculty and the Media Staff in research and daily routines in the library. Media Studies students will gain information, retrieval and interpretation skills.

COURSE: Library/Media Studies - II

GRADE LEVEL(S): Senior

PRE-REQUISITES: Library/Media Studies - I, Recommendation of Media Specialist

CREDIT: 1/4

A continuation of Library/Media Studies - I which would involve further investigation and training in the area of Library Science and information retrieval. The students will continue to serve as assistants to the students, media staff and faculty.

COURSE: Yearbook I

GRADE LEVEL(S): Sophomore and Junior

PRE-REQUISITE: Application and/or Teacher Recommendation

CREDIT: 1

Yearbook is an elective course which prepares and publishes Cardinal Gibbons' yearly publication, *The Landmark*. Students will learn the basics of using a digital SLR camera and how to take photographs at various school events. Students will also learn basic layout design similar to using Adobe InDesign, collaborate with other Yearbook staffers on developing and creating a unique Yearbook theme, learn how to interview various groups so as to write effective copy, and so much more. Some out of class/school time is required.

COURSE: Yearbook II Honors

GRADE LEVEL(S): Senior

PRE-REQUISITE: Yearbook I and/or Teacher Recommendation

CREDIT: 1

Yearbook II Honors is an elective course which prepares and publishes Cardinal Gibbons' yearly publication, *The Landmark*. Students will learn advance techniques of using a digital SLR camera. Students will also learn advance layout design. Yearbook II students are assigned leadership roles which include Editor-in-Chief, Managing Editor, Layout Editor and Section Editor. Students teach the Yearbook I students how to use the online software used to create the yearbook, how to prepare and conduct interviews, how to take great pictures and how to develop and create a whole book theme. Some out of class/school time is required.

COURSE: Journalism I - Introduction to Journalism

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: none

CREDIT: 1

Journalism I is an introduction to the subject and practices of journalism with an emphasis on learning writing and production skills necessary for success in all school publications. Some topics to be covered will be the forms of journalistic writing, basic digital photography, basic desktop publishing and media literacy. Students will develop proficiency in the various journalistic writing styles through class work and will be encouraged to participate in the school publications on an extra-curricular basis. This course is designed for the serious student interested in participating in school publications or continuing in the journalism track. Journalism I is a pre-requisite for Journalism II Honors.

COURSE: Journalism II Honors - Beginning Newspaper

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Journalism I and journalism teacher's permission or significant previous newspaper involvement and journalism teacher's permission.

CREDIT: 1

Journalism II - Honors is primarily a production class focusing on the publication of the student newspaper *The Crusader*. The course focuses on teaching all the elements necessary for the production of the newspaper including newspaper writing, design, desktop publishing and business skills. Individual initiative and personal responsibility will be stressed while students practice their journalism skills in a small group-oriented, business-like environment in which teamwork and cooperation are essential for success. This course is designed for the serious and dedicated student and *will require* significant after-school time. Journalism II— Honors is a pre-requisite for Journalism III — Honors.

COURSE: Journalism III Honors - Advanced Newspaper

GRADE LEVEL(S): Junior, Senior

PRE-REQUISITE: Journalism II and journalism teacher's permission or significant previous newspaper involvement and journalism teacher's permission.

CREDIT: 1

Journalism III — Honors continues the focus on the elements necessary for the production of the student newspaper *The Crusader*. An emphasis will be placed on building individual leadership skills and learning advanced newspaper writing, design, desktop publishing and business skills. Students will be expected to effectively utilize the small group skills learned in Journalism II— Honors and work independently from the teacher in a constructive manner. A self-directed journalism project will be required each semester. This course is designed for the most serious and dedicated journalism student and *will require* significant after-school time.

COURSE: Digital Video I

GRADE LEVEL(S): All

PRE-REQUISITE: Teacher recommendation/approval

CREDIT: 1

Digital Video: is a yearlong, project-based curriculum that develops career and communication skills in digital video production, using various digital video tools. Digital Video curriculum develops four key skill areas: Project management and collaboration, Design, Research and communication, and Professional video production. Students engage in skills to learn storytelling, capturing and editing video and audio, and finalizing content for DVD, web, or digital videotape. Students gain experience through real-world projects that help them understand roles and processes across a broad range of careers involving digital video. Students are required to participate in events occurring after school and on weekends. Students will attend class in person two days a week, while participating in online content. A two day camp will be held during the summer to prepare students for the school year. ***This class will meet on Tuesday and Thursday at 7:15 a.m.***

COURSE: Digital Video II

GRADE LEVEL(S): Sophomore, Junior, Senior

PRE-REQUISITE: Digital Video I

CREDIT: 1

Digital Video II: is a yearlong, project-based curriculum that develops career and communication skills in digital video production, using various digital video tools. Students will expand on the various skills obtained during Digital Video I and learn new tools to use in producing various projects. These skills will include preproduction, production and postproduction of various projects. Collaboration will occur between Drama and Journalism classes during the school year to produce movies, broadcasts and other projects. Students are required to participate in events occurring after school and on weekends. A two day camp will be held during the summer to prepare students for the school year.

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MISSION STATEMENT

Cardinal Gibbons High School is a college preparatory school of the Roman Catholic Diocese of Raleigh

We embrace the mission
of Jesus Christ: to form
men and women of
**faith, service,
and leadership**
in church and community