High School Courses Tip Sheet for Middle School - 1/27/16

Middle school students can take certain high school credit courses during middle school. The following guidelines can assist parents/guardians and students who are considering taking high school courses during middle school.

General Guidelines

- If a student is considering dropping a high school course taken in middle school, it must be dropped before the first 9 weeks so that it does not appear on their transcript.
- Honors level courses have a weighted GPA which is reflected in their middle school GPA as well as high school.
- If a student earns C's or below in a high school credit course while in middle school, they may retake the course for grade forgiveness through their assigned high school or virtual school.
- Grade forgiveness can be issued if a student retakes a course and earns a C or higher the second time around. ***The original low grade remains on the transcript but it is marked as audited*** and the original GPA from the low grade will no longer calculate once the grade forgiveness has been issued.

Math:

Course options: Algebra I, Algebra I Honors, Geometry Honors

- All high school students must **take 4 math courses at their high schools** in order to meet the graduation requirement for Math.
- If Algebra I, Algebra I Honors and Geometry Honors are taken in middle school, then the student will need **4 additional math credits** once they begin high school.
- Algebra I, Algebra I Honors and Geometry Honors courses will transfer to high school as **elective credits**.
- These courses will impact a student's high school GPA. Honors level courses have a weighted GPA which is reflected in their middle school GPA as well as high school.

Biology:

Course options: Biology I Honors

- All high school students must take **4 high school level science courses** to meet the graduation requirement for science.
- If Biology I Honors is taken in middle school, the course **will** count toward the science requirement for high school.
- The Biology I Honors course will transfer as a **science credit** for high school credit.
- This course will impact a student's high school GPA. Honors level courses have a weighted GPA which is reflected in their middle school GPA as well as high school GPA.

Spanish I, Spanish I Pre-IB

- Spanish I and Spanish I Pre-IB courses will transfer as a world language credit for high school credit. These courses will impact middle school and high school GPAs.

Digital Learning

- IConnect – This high school course can be taken in middle school.

Randy Shuler, Principal
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Seminole County Public Schools

8th Grade Registration Form
2016 - 2017

SANFORD MIDDLE SCHOOL MAGNET

Student Name: _____ **Student ID:** _____ **Teacher:** _____ **Prd:** ____

8th Grade Core Classes
Choose only one Math

____ (1205070) M/J Pre-Algebra
____ (1200310M) Algebra 1
____ (2000010) M/J Life Science
____ (1001070) M/J Language Arts 3
____ (2100010) M/J US History

8th Grade *Advanced* Core Classes
Choose only one Math

____ (1200320M) Algebra 1 Honors
____ (1206320M) Geometry Honors
____ (2000020) M/J Life Science
____ (2000320) Biology 1 Honors
____ (1001080) M/J Language Arts 3
____ (2100020) M/J US History

You can mix and match core and Advanced core classes

8th Grade **Pre-IB** Core Classes
IB MUST take ALL IB Core Classes & Spanish
Choose only one Math

____ (1200320M) Algebra 1 Honors
____ (1206320M) Geometry Honors
____ (2000020) M/J Life Science
____ (2000320) Biology 1 Honors
____ (1001080) M/J Language Arts 3
____ (2100020) M/J US History

8th Grade **Gifted Students** Core Classes
Choose only one Math

____ (1200320ML) Algebra 1 Honors
____ (1206320ML) Geometry Honors
____ (2000020LG1) M/J Life Science
____ (2000320LG1) Biology 1 Honors
____ (1001080LG1) M/J Language Arts 3
____ (2100020LG1) M/J US History

Please choose **16** electives from the list below. Rank order them **1 - 16** with 1 being your top choice. If you do not choose 16, SKYWARD will choose for for you. Students who are in need of Intensive Reading and Math will be placed in those classes in lieu of an elective class. Courses with an * have a required prerequisite. Class size is limited and there are no guarantees regarding elective courses selected.

____	(0102040) Digital Photography (.5)
____	(0400000) Drama I (.5)
____	(0400010) *Drama II (.5)
____	**(0708800) 8th IB Spanish I (1.0)**
____	**(0708350) 8th IB Spanish II (1.0)**
____	(100700) Speech & Debate (.5)
____	(1009000) Creative Writing I (.5)
____	(1009010) Creative Writing II (.5)
____	(101005) Art I (.5)
____	(101010) *Art II (.5)
____	(101020) *Cartooning & Caricatures (.5)
____	(103000) Digital Art/Graphic Design(.5)
____	(1301030) Musical Keyboarding I (.5)
____	(13010300K2) *Musical Keyboarding II (.5)
____	(1301060) Guitar I (.5)
____	(1301070) *Guitar II (.5)
____	(1302000) Band I (1.0)
____	(1302010) Intermediate Band (1.0)
____	(1302020) Advanced Band (1.0)
____	(13020200JZ) Jazz Band (1.0)
____	(1303000) Chorus I (1.0)
____	(1303010) Chorus II (1.0)
____	(1303020) Chorus III (1.0)
____	(15086000B6) Basketball (.5)
____	(15086000C6) Cheerleading (.5)
____	(15086000D6) Dance (.5)
____	(15086000I6) Softball/Baseball (.5)
____	(15086000L6) Field Sports (.5)
____	(15086000S6) Flag Football (.5)
____	(15086000T6) Tennis (.5)
____	(15086000V6) Volleyball (.5)
____	(15086000W6) Body Wellness (.5)
____	(15086000W7) Weight Training(.5)

____	(1700000CA) Computer Management-A plus (.5)
____	(1700000EN) Entrepreneurial (.5)
____	(1700100AM) Advanced Math Prep (.5)
____	(2000025MR1) Marine Biology (.5)
____	(2000025MB2) *Marine Biology II (.5)
____	(2000025PM1) Pre-Medical I (.5)
____	(2000025PM2) *Pre-Medical II (.5)
____	(2000025PM3) *Pre-Medical III (.5)
____	(2000025PV1) Pre-Veterinary Science I (.5)
____	(2000025PV2) *Pre-Veterinary Science II (.5)
____	(2000025PV3) *Pre-Veterinary Science III (1.0)
____	(2001025AN1) Aeronautics I (.5)
____	(2001025AN2) *Aeronautics II (.5)
____	(2001025AN3) *Aeronautics III (.5)
____	(2002200BT1) Biotechnology I (.5)
____	(2002200BT2) *Biotechnology II (.5)
____	(2002200ES1) Environmental Science I (.5)
____	(2002200ES2) *Environmental Science II (.5)
____	(2002200ME) Meteorology (.5)
____	(2003030AP) Applied Physics (.5)
____	(2003030AS1) Architectural I (.5)
____	(2003030AS2) *Architectural II (.5)
____	(2003030E2) Pre-Electrical Engineering (.5)
____	(2003030ID) Interior Design (.5)
____	(2003030MC) Pre-Mechanical/Civil Engineering (.5)
____	(2003030RL1) Robotics I (.5)
____	(2003030RL2) *Robotics II (.5)
____	(2104010) ROTC (.5)
____	(8207310) Introduction to Information Technology (1.0)
____	(8260300) Video Prod. I (.5)
____	(82604000) *Video Prod. II (.5)
____	(9009100A) Programming/Computer Game Design (1.0)
____	(9009500A) Web Design I (.5)
____	(9009500B) *Web Design II (.5)

Things to remember when completing the registration form:

1. Registration worksheets are due back to the student's Social Studies teacher no later than February 12th. On February 4th students will be meeting with counselors to discuss scheduling. On February 12th students will be meeting with counselors to enter their course requests in Skyward. Once this has been completed, parents will be able to view the course requests in Skyward Family/Student Access, and make changes through February 17th. After this, any changes will need to be made by a counselor.

2. The final registration will be completed on-line with guidance counselor assistance.

3. If you are a Pre-IB student or would like to choose Pre-IB for this coming year, you are required to take advanced courses in all core academic classes and Spanish. (Current Pre-IB students will be noted on the registration worksheet).

4. Gifted/Pre-IB students must take all advanced courses in all core academic classes and Spanish. Parents and students may choose gifted classes or a combination of gifted and Pre-IB classes. (Gifted students will be identified on the registration worksheet).

5. Below are our recommendations when selecting Social Studies, Science and Language Arts classes:

   - ❖ Students currently in advanced classes earning an A, B or C are recommended to take an advanced course for that subject. If a student is earning less than a C parents/students should look at previous academic history and state assessment scores to decide between an advanced or standard course. Parents always make the final decision in selecting an advanced or standard course.
   - ❖ Students currently in standard classes earning an A or B are encouraged to select an advanced course for that subject. If a student is earning a C or lower, we recommend a standard level class. Parents always make the final decision in selecting an advanced or standard course.

6. Below are some recommendations when selecting a Mathematics class:

   - ❖ Students in M/J Mathematics 2 should select M/J Pre-Algebra.
   - ❖ Students in M/J Mathematics 2, Advanced earning an A, B or C are encouraged to select Algebra 1 Honors. If a student is earning less than a C we recommend M/J Pre-Algebra. Parents always make the final decision in selecting an advanced or standard course.
   - ❖ Students in Algebra 1 Honors or Algebra 1 earning an A or B are encouraged to select Geometry Honors. If a student is earning a C or less, we recommended the student retake the Algebra course. Parents always make the final decision in selecting a course.

7. Pre-assigned courses –Students currently in Intensive Reading or Intensive Math will see an Intensive course request for that class. If the student is proficient on the state assessment test administrated in the spring, the intensive class will be replaced with an elective choice.

8. Students who are planning to attend Seminole High School and want to enter their IB program are required to take all IB classes and Spanish during their three years at Sanford Middle School.

9. For the 2016-2017 school year, SCPS will provide full-time virtual instruction options to students in grades K-12. Enrollment will be open from April 4th to August 5th, 2016. For more information, please see your guidance counselor or visit http://virtualschool.scps.k12.fl.us

Student Signature Date Parent Signature Date

Sanford Middle School's Wednesday Club Selection Form 2016/2017

Last Name:_____ First Name:_____ Grade:_____
ID#:_____ Date: _____

Please rank order 1-10 the clubs you would be interested in joining, with one (1) being the club you are most interested in joining.

_____**4-H Club/EARTH Club**
_____**6th Grade Board Games & Cards**
_____**7th/8th Grade Math Games & Puzzles**
_____**Adolescent Reading Club (ARC)**
_____**Aeronautics Club**
_____**American Sign Language Club**
_____**Animal Club**
_____**Back Yard Games**
_____**Basketball for Boys**
_____**Basketball for Girls**
_____**Battle of the Books**
_____**Biology Club**
_____**Board Games**
_____**Calligraphy Club/Fountain Pen**
_____**Card Making Club**
_____**Cheer Club**
_____**Club R.E.M.I.X.**
_____**Comic Book Club**
_____**Cool Math Club**
_____**Crochet/Knitting Club**
_____**Drama Club**
_____**Drum Line/Band Club**
_____**Environment Club**
_____**Food for Thought Club**
_____**Gardening Club**
_____**Girls S.T.E.M. Club**
_____**History Trivia Club**
_____**i3 Club-Inspire, Ignite, Impact**
(for girls only)
_____**Latin Dance Club**
_____**League of Legends Club**
_____**Minecraft Club**
_____**Movies with Meaning Club**
_____**Mu Alpha Theta/Algebra**
_____**Mu Alpha Theta/Geometry**
_____**Newspaper Club**
_____**Planet Earth Club**
_____**Poetry Club**
_____**Pokémon Club**
_____**Radical Reptiles**
_____**ROTC**
_____**Running/Walking Club**
_____**Science Trivia Club**
_____**Scrapbooking Club**
_____ **Singing/Chorus Club**
_____ **Smash Bros. Club**
_____ **SMS Juggling Club**
_____ **Soccer Club**
_____**Strategy Game Club**
_____**The 24 Club**
_____**The Art of Coloring**
_____**Tricaster Club**
_____**UNO Club**
_____**UPCYCLE Craft Club**
_____**Upstanders**
_____**Volleyball Club**
_____**Weightlifting Club**
_____**Whiffle Ball Club**
_____**Yoga**

1. **4-H Club/EARTH Club**: This Club allows you to explore the areas of water conservation, energy use, climate change and recycling through hands-on learning experiences.
2. **6th Grade Board Games & Cards**: Relax with games, activities and use math at the same time. Engage in a scavenger hunt, battleship, card games, dice games, board games, and even bring your own ideas to share.
3. **7th/8th Math Games and Puzzles**: If you enjoy playing games and solving puzzles, then this club is for you! We will be playing a variety of math games and solving many different puzzles that have a mathematical twist. This club is a great way to spend time stimulating your brain, while at the same time having a blast!
4. **Adolescent Reading Club (ARC)**: Do you love to read, but can't seem to find the time? Join the ARC and read the books you love, participate in book talks and recommend your favorites to others.
5. **Aeronautics Club**: Aeronautics Club is for all SMS students who are interested in aviation and aerospace activities. The club does a variety of projects centered around the flight simulators, launching model rockets, building model planes and discussing topics on flying and space programs.
6. **American Sign Language**: We love to talk with our hands! Students work together to discover basic sign language vocabulary words and phrases. Come join the fun!
7. **Animal Club**: From domestic cats to magnificent tigers, playful dolphins to the triumphant antelope, if you love animals big and small, this is the club for you!
8. **Backyard Games**: This club is an opportunity for students to take a break from hitting the books all day and to have some good old fashion fun. We play a variety of games including: corn hole, bocce ball and Frisbee.
9. **Basketball for Boys**: The basketball club is a great way to end a Wednesday! The club will go over fundamentals, defense/offensive strategies, and sportsmanship. The focus will be to improve student's ability in all areas of the sport. The games will include pick up 4-4 basketball games, knockout, free throw/3-point contests and basketball drills.
10. **Basketball for Girls**: Girls interested in basketball will learn fundamental basketball skills and concepts that focuses on ball handling, proper shooting form, free-throw shot, 3 point shot, jump shot, left hand and right hand layups, footwork, passing, and offense and defense. This club will emphasize the essential skills necessary to be a successful basketball player.
11. **Battle of the Books**: If you like reading and competing then Battle of the Books is the club for you. Join us in preparing for the B.o.B. competition as we read and discuss this year's SSYRA books.
12. **Biology Club**: For 8th grade students of Biology that enjoy working on biological investigations and labs that go deeper and further in content. Additionally, there will be fun mini competitions as we prepare for the EOC.
13. **Calligraphy/Fountain Pen Club**: Calligraphy is the art of producing decorative handwriting or lettering with a pen or brush. Students will learn to create beautiful/fancy writing that will surely impress themselves and the recipient of any note!
14. **Card Making Club:** If you are creative and like to make things with your own special touch, then card-making might be the club for you. We will be using different skills such as stamping, stenciling, paint markers and more to craft our own hand made cards. As the holidays approach we will make cards to send to the local nursing homes or shut-ins. Card-making is a great opportunity to express oneself.
15. **Cheer Club**: For all levels of cheerleaders. We will learn and practice jumps, tumbling, cheers and stunting.
16. **Club R.E.M.I.X.:** REMIX is a club for those aspiring to be songwriters (rappers/singers). In REMIX we will: **R**eflect on our own experiences and use those experiences in our work. **E**ngage others using lyrics and storytelling. **M**entor and be mentored by people who are understanding and supportive. **I**ncorporate academic and social language into songwriting. e**X**press yourselves in a positive and creative way.
17. **Comic Book Club:** The Comic Book Club would be the place for student who love to read, draw, write, and learn about the tricks behind the best comics or graphic novels.
18. **Cool Math Club**: If you love math and enjoy playing games, then come and join us as we explore the Cool Math website.
19. **Crochet/Knitting Club**: Knit one, Pearl two! Come learn the fun hobby of knitting or crocheting. All are welcome from beginner to advanced! We will have new and exciting wearable patterns to learn. Great gift ideas.

20. **Drama Club**: Do you like to talk, argue, tell jokes, imitate others, or be dramatic? Are you the class clown? If you're willing to be a little silly in a respectful way, this might be the club for you! We will play games where we pretend to be different characters from books, plays, and movies.
21. **Drum Line/Band Club**: This club is currently for students who are already in the Sanford Middle School Concert or Symphonic Bands.
22. **Environment Club**: Students are you interested in learning about the environment? Then come to Environmental Club! This club will learn all about environments starting right here in our state - Florida. We will learn all about our carbon footprints and climate change and how society will leave a lasting impact on our world. Join the fun!
23. **Food for Thought Club**: ***Girls,*** did you ever wonder how what you eat affects your day? Do puzzles and exercise make a difference? Energize your life *by changing your lifestyle!!!* **It's fun and not as hard as you think!!!**
24. **Gardening Club:** Got Plants? Do you want to dig in the dirt? Do you want to play with earthworms? The garden club will start veggies and Florida native plants from seed. Students will learn basic botany and basic plant taxonomy. Students will grow various plant species from seed using onsite resources like the raised beds and the proposed greenhouse. Students can expect to grow some of their own food (tomatoes, carrots, lettuce, etc.). Students will also be given some native plant seedlings to take home so that they can create a Florida-Friendly Yard.
25. **Girls S.T.E.M. Club:** What problems could be solved, discoveries made, or diseases cured when more girls are working on our world's challenges? Join a club that focuses on solving problems using STEM activities **(girls only)**
26. **History Trivia Club**: Do you like playing trivia? Do you like history? Come for trivia and learn some history along the way.
27. **i3 – Inspire, Ignite, Impact Club:** is designed for extraordinary young ladies/divas who want to know who they are, be valued, be heard, get inspired, and change the world around them for the best– i3 stands for Inspire, Ignite and Impact. YOLO that's who we are!
28. **Latin Dance Club:** Join this club to learn various genres of Latin music such as Salsa, Bachata, Merengue, Cumbia, Cha Cha, and Regueaton. You will learn basic dance steps and moves according to genre.
29. **League of Legends (lol)**: Get together with your peers to Form a group to take the other team down. Learn to work Together to help make your team win the day.
30. **Math Counts**: Are you interested in joining the Math Counts Team next year or have more time to practice for this year's competitions? Join Math Counts Club - a fun, friendly club focused on high level math! All grades welcome, non-current math count members welcome!
31. **Minecraft Club**: We're looking for young builders. Whether you build random castles or red stone contraptions, we want YOU to help build our community.
32. **Movies With Meaning Club**: View a series of meaningful movies with a message and discuss the themes, meaning, and application to today
33. **Mu Alpha Theta Club**: Love competing in math? This is the club for you! This is a club for members of the Mu Alpha Theta Teams who wish to have more time to study and work towards competing. All members are welcomed!
34. **Newspaper Club**: Do you like to be in the know? Do you want to know what's happening at SMS? Then, maybe, the newspaper club is the club for you!
35. **Planet Earth Club**: Watch and learn about Planet Earth, see stunning footage of the natural world and explore the marvels of our planet. Explore the fiercest and most fascinating forces of nature, from mega volcanos to deadly hurricanes.
36. **Poetry Club**: "Join us as we come together to discuss poetry of all kinds. Students will be encouraged to read their favorite selections as well as their own work. The poetry club's main focus will be to allow students to think freely with a poetic style."
37. **Pokémon Club**: A club of Pokémon trainers and/or Pokémon enthusiasts can share strategies, trade Pokémon, and enjoy the world of Pokémon within a community that shares their passion. Whether you are a video game trainer, card game trainer, or just a Pokémon fan, all are welcome to join the fun. If you have access to Pokémon video game, cards, you will be using those materials for club (access is not required).
38. **ROTC:** Come join Air Force JROTC. Learn to march, lead a small group, spin a parade rifle and march in a parade. Learn how to post the flag of the United States, and participate in a color guard. We will learn about and practice military customs and traditions, always respectful of our country.
39. **Radical Reptiles Club:** If you want to meet and greet resident reptiles, those commonly kept as pets, this is the perfect club for you. We will study snakes, lizards and tortoises up close with live animal presentations. We will watch videos and read magazines that include some of the world's most deadly reptiles, and be able to identify reptiles most commonly found in our own backyards.
40. **Running/Walking Club:** This club will focus on making positive choices, building strength, and increasing cardio! We will bring out your inner athlete. Each week we will focus on healthy choices, stretches, and complete a WOD (work out of the day).
41. **Science Trivia**: Explore interesting and little know scientific facts.
42. **Scrapbooking Club**: Please join the Scrapbooking Club! Bring your creativity, photos, and stories! You will create your own scrapbook style album.
43. **Singing/Chorus Club**: Do you like singing and performing in front of a captive audience? Then, chorus club is for you.
44. **Smash Bros. Club**: Calling all Nintendo fans! Come play Smash Bros. For 3DS with us and discuss your strategies with fellow Smash enthusiasts! Students should have their own 2DS or 3DS for Smash Bros.
45. **SMS Juggling Club:** Increase your concentration and coordination skills. Learn how to juggle balls, clubs, and diablos. No experience necessary.
46. **Soccer Club**: If you want to play football but not the American kind, join FC Warriors, the latest and greatest soccer teams to hit the field. Shin guards are ***REQUIRED*** to be allowed to play.
47. **The 24 Club**: If you like numbers and challenging your mind, then 24 is the club for you.
48. **The Art of Coloring Club**: Students who receive satisfaction from coloring very unique and different images and designs with pencil should sign up for this club. All images or designs, once started, must be completed before beginning another.
49. **Tricaster Club**: The magic behind the movies club. How we make the news.
50. **UNO Club**: Do you like friendly competition that involves chance and skill? If so, the UNO Card Game Club is for you!
51. **UPCYCLE Craft Club**: The Environmental UPCYCLE Club will explore and inspire your creative "green" side to create a new purpose from used materials! Bracelets from plastic shopping bags? YES, you can! Glow in the Dark Skeletons from empty water gallon jugs? Absolutely! Upcycle that colorful feedbag into a DIVA shopping bag? Completely!
52. **Upstanders:** Are you interested in a Bully-Free Campus? If you're looking for an opportunity to be a leader by standing up to bullying, this club is for you!
53. **Weight Lifting Club:** Students must be at least 13 years of age to participate. Weightlifting club members will learn correct safety procedures and techniques to increase muscular strength and endurance through the use of exercise machines and free weights.
54. **Whiffle Ball Club:** If you like to be active, but not too competitive, this club is for you! Whiffle ball goes by the same rules as baseball, but a lot more relaxed. Come out and play!
55. **Yoga Club**: Yoga helps children see the beauty and light within themselves, thereby boosting their self-confidence, allowing them to feel more comfortable with their bodies, and helping them get in touch with who they are inside. A child who learns yoga, mindfulness, and relaxation will be developing essential skills for a lifetime of health and wellness in mind, body and spirit.

SANFORD
MIDDLE SCHOOL MAGNET

Pre IB Prep, Science,
Technology, Engineering, Math Magnet

2016-2017
Curriculum Guide

Welcome to our
Pre IB-Prep. Math Science
Technology Magnet School where we educate the whole child with excellence in academics, character education, and wellness.

Our mission is to empower innovative, collaborative, critical thinkers who actively engage in the improvement of our ever-changing, technological global society. Our intensive, performance-based academic program coupled with our extra and co-curricular opportunities provides a wonderful vehicle to teach and develop the life skills necessary for life-success.

Randy Shuler
Principal

Welcome to Sanford Middle School
Pre IB Prep, Science, Technology, Engineering, Math Magnet

Mission Statement

Our mission is to empower innovative, collaborative, critical thinkers who actively engage in the improvement of our ever-changing, technological global society.

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Administration / Guidance

Randy Shuler…….....…… Principal
Martin Dunlop….....Assistant Principal
Origin Call….....Assistant Principal
Deirdre Garnes….....Assistant Principal
Richard Burkett .....Dean of Students
Ronald Diltz.....Dean of Students
Brittany Rolle.....Dean of Students
Gaylar Mitchell .....Counselor
Andrew Lorenz.....Counselor
Tiffany Barnes.....Counselor

Higher Level Course Enrollment Criteria

Seminole County recognizes the benefits students derive from higher level course participation and the importance of fair and equitable standardized criteria for enrollment in higher level courses. Students may elect to enroll in higher level courses based on any one of the multiple criteria. Multiple enrollment criteria includes, but is not limited to, self-selection, teacher recommendation, previous academic success, and standardized or state test scores. Where applicable, prerequisite course completion is required.

Registration Information
How Do I Register?

A guidance counselor will meet with all students to distribute registration materials. At that time, students will be briefed on filling out the registration form and selecting their classes for the upcoming school year. As soon as possible, and prior to selecting courses, all students should read this guide carefully to familiarize themselves with the information it contains.
Incoming 6th grade students: A guidance counselor will be visiting all elementary schools with 20 or more students coming to SMS to work through the registration process. Parents and students wishing to obtain more information regarding the school program and course selections should contact Sanford Middle School.

Guidelines

1. Review the courses listed and consult with your classroom teachers over course selections.
2. Take the curriculum guide home and discuss your course selections with your parents/guardians.
3. Write down any questions you may have for your counselor.
4. Fill in personal information at the top of the registration form.
5. Check off your required course selections. Make sure to include level of courses selected.
6. Rank order your electives you have selected.
7. Once your registration form is complete, have your parent/guardian sign it and return the form to your guidance counselor.

Schedule Change Policy

Sanford Middle School utilizes the Seminole County Public School automated scheduler to establish student schedules. The automated scheduler is programmed to insure equity and balanced class sizes. Schedule changes will be made to correct misplacement; however, accommodations are not made to allow for parental preferences for teachers. Also, schedule changes will not be made for elective choices if the class was one of the students numbered choices on their registration form. Schedule-related problems should be discussed with the assigned guidance counselor and changes should be made within the first ten days of each semester. Every effort is made to place students into elective classes of their choice. However, sometimes due to scheduling conflicts this isn't possible.

Administrative Changes

Sanford Middle School reserves the right to change individual student schedules to comply with School Board and Department of Education policies. These changes may occur due to changes in the student population or faculty allocation. Changes will be made to balance classes and teacher loads when necessary. Students scoring level 1 or 2 in Math or Reading on the standardized state test will be placed in an intensive program. Every effort will be made not to disrupt the educational process when such changes become necessary.

Registration

General Information: This information describes the requirements for students for three years at SMS.

[ESE and ESOL students will be placed in their appropriate Core Academic Course based upon their I.E.P].

***Required Courses*-**All students at SMS take four (4) core academic courses each year [math, language arts, science, and social studies]. All students are required to become proficient in computer applications. All students are required to take one-semester of physical fitness during 6th and 7th grades.

Technology: Students are required to demonstrate competence in technology by being able to "keyboard" at a minimum of 30 words per minute and effectively do word processing, spread sheets, data-base, and PowerPoint.

***Choices*-** SMS provides many choices for students and parents concerning their education. They are as follows:

Academic Choices

While all students are required to take the four core academic courses each year, there are three general courses of study: Standard, some advanced level courses, or International Baccalaureate Preparatory Program (all advanced level courses and Foreign Language), which is available to academically challenge students and to prepare them for the International Baccalaureate Program at Seminole High School. The Pre IB-Prep. program follows a different, more rigorous and faster paced curriculum than the standard level course. Therefore, students will be expected to invest more time in homework, projects, and research activities as well as perform at a higher level.

General Information

Middle School
Student Progression Plan Information

1. Middle School Instructional Program – Florida State Standards serve as the foundation of the middle school curriculum for the Seminole County Public Schools. Student mastery of subject area content consists of such things as teacher observation, classroom assignments, tests, and exams.
2. Core Academic Program Requirements – Middle school students are required to receive 3 years of instruction in language arts, math, science, and social studies.
3. Additional Instructional Program Requirements – Middle school students have the opportunity to participate in regularly scheduled physical education classes, as well as exploratory, enrichment, and elective classes.
4. Grouping for Instruction – Flexible grouping of middle school students that is developmentally appropriate, ethnically diverse, and instructionally sound is encouraged to increase student achievement. Any grouping of students must provide opportunities for regrouping of students during the school day in order to prevent the segregation or isolation of any student subgroup.
5. Advanced Classes – Enrollment in advanced core academic classes is open to any student who wishes to take on the challenge of a more rigorous curriculum that prepares students for higher level courses in high school. Advanced classes are offered in math, language arts, science, and social studies.
6. Vertical Acceleration – Students demonstrating highly exceptional academic capabilities may be enrolled in single above-grade level courses or be promoted to a grade level above their current placement. Parents must petition the principal for permission for vertical acceleration. The principal will use the criteria identified in the Student Progression Plan to determine if vertical acceleration is appropriate. These decisions are made on a case-by case basis and the decision of the principal is final.
7. Remediation – Students who are not performing at grade level will be enrolled in intensive reading, and/ or intensive math classes. Administration may substitute an intensive class for any elective course on a student's schedule.
8. Student Promotion – Middle school students must earn a yearly 2.0 Grade Point Average and pass all annual courses to earn promotion from one grade to the next.

Eighth grade students enrolled at middle school taking high school credit courses will be graded in accordance with the high school grading policy. In addition, Sanford Middle School students may take high school Biology, Geometry, Algebra I, Intro to Information Technology, Spanish I and Spanish II for high school credit.

Virtual School

For the 2016-2017 school year, SCPS will provide full-time virtual instruction options to students in grades K-12. Enrollment will be open from April 4th to August 5th, 2016. For more information, please see your guidance counselor or visit http://virtualschool.scps.k12.fl.us

Middle School Grade Placement

Promotion: Middle school students must pass the final end of the year grade in all academic and elective courses by earning a final quality point average of not less than 0.75 for any course, and earn an overall 2.0 grade point average on a 4.0 scale in order to be promoted. Final grades for each subject taken will be used to calculate the grade point average.
Assignment: Students who do not meet the criteria for promotion may be assigned to the next higher grade by the principal after due consideration of relevant factors, which may include, but are not limited to, input from the student's teachers, counselor, parent, successful student participation in remediation activities and/or summer school (8th students grade only), and planned interventions.
Retention: A student who has not been promoted or assigned will be retained.
Career Awareness is taught as part of our 7th grade Computer Applications Course.

High School Credit

Students may be awarded high school credit in the eighth grade for the following courses:
Algebra I - The student must successfully complete the course and demonstrate mastery of the Sunshine State Standards. Students may retake Algebra I for grade recovery and credit during the regular 9th grade school year.
Algebra I Honors - The student must successfully complete the course and demonstrate mastery of the Florida State Standards. Students may retake Algebra I for grade recovery and credit during the regular 9th grade school year.
Geometry I Honors - [Prerequisite: Algebra I] The student must successfully complete the course and demonstrate mastery of the Florida State Standards. Students may retake Geometry for grade recovery and credit during the regular 9th grade school year.
PRE-IB Spanish I – Year long 8th grade course. Must be an IB student.
PRE-IB Spanish 2 – Year long 8th grade course. Must be an IB student.
Biology I Honors - [Corequisite - Algebra I] The student must successfully complete the course and demonstrate mastery of the Florida State Standards. Students may retake Biology for grade recovery and credit during the regular 9th grade school year.
Intro Information Technology - Year-long course includes MOS (Microsoft Office Specialist) certification in Word, Excel and PowerPoint.

Grades earned in high school credit courses will reflect on high school transcripts. As indicated in the Student Progression Plan, students are unable to drop a high school credit course after the first quarter.

SCPS Pre-IB Prep or Advanced Core Academic Courses

NOTE: Enrollment in advanced-level courses is open to any student but enrollment in Pre-IB Prep requires an application process. To be classified as Pre-IB Prep, a student would need to take all Pre-IB Prep academic courses. A student may take selected Advanced/Pre-IB Prep courses and their school records will indicate the advanced designation for those courses. These courses were developed to meet the needs of students seeking a more rigorous course of study through an in-depth study of these subjects utilizing more challenging reading, writing, and research assignments. Some indicators of student success in advanced-level or Pre-IB Prep courses and standardized or state test scores, performance in previous courses, and teacher recommendation. Student motivation, commitment to hard work, and interest are important factors in a student's success. *** Please note Gifted level courses are more rigorous and students will endure a faster pace regarding content covered***

Standardized Testing

Florida Standards Assessment - The Florida Standards Assessment (FSA) will take the place of FCAT. The FSA is administered during the second semester and assesses high-level, challenging state standards in assessing mastery of Language Arts (Reading, Language, and Listening), Math, and Writing. This test assesses higher order skills and state standards.

FSA Testing

Writing
Grades 6-8 FSA ELA

Reading, Language, and Listening
Grades 6-8 FSA ELA

Mathematics
Grades 6-8 FSA

Course of Study

Student Performance Standards:
Seminole County Public Schools incorporate the Florida State Standards as district standards and academic outcomes are developed and/or revised for grades 6 - 8 in the core curriculum subjects of math, science, social studies, and language arts. It is the responsibility of the classroom teacher to provide instruction and assessment of student mastery of the district standards and academic outcomes in each course. Assessment of mastery consists of teacher observation, classroom assignments, and examinations. In addition, criterion referenced district level testing may be used to establish base line data and assess student achievement.

Special Programs

English for Speakers of Other Languages (E.S.O.L.)
The E.S.O.L. program is designed to meet the immediate communication needs, as well as the academic needs, of students whose native language is other than English and have limited or no proficiency in the English language. The students served by the program as determined by the established criteria will receive instruction as described in the English for Speakers of Other Languages Procedural Handbook.

Intensive Reading

This course is designed to improve the reading skills of students who are functioning below grade level. The course encompasses phonics, reading comprehension, fluency, vocabulary, phonemic awareness. All students scoring at level 1 or 2 on the previous standardize state test will be placed in this course. Students who score at level 3 but have a high probability of regressing to levels 1 or 2 may be provided the opportunity for additional support in our reading program.

Intensive Math
This course uses a problem-centered approach to teaching that accelerates student learning of math concepts and strengthens their math skills so they can become proficient in math. All students scoring at level 1 or 2 on the previous years standardized state test will be placed in this course as a supplement to their grade level math course. Students who score at level 3 but have a high probability of regressing to levels 1 or 2 may be provided the opportunity for additional support in our reading program.

Attendance

After an absence, immediately upon return to school but no later than two (2) school days following an absence, the student must provide the school with documentation indicating that one of the following has occurred if he/she wishes that absence(s) to be excused:

Medical treatment by a licensed physician*
Observance of a religious holiday
Law enforcement order or court subpoena
Death of a family member
Natural disaster
Traffic accident that directly involves the student
Extraordinary circumstances or situations, prearranged and with Principal permission.

Parents/guardians of students are expected to provide an explanation of their child's absence(s) from school whenever such absences occur without the permission of the principal.
*Note 1: It is understood that on every occasion of sickness, a student will not require medical attention by a licensed health care professional. Short term, non-chronic illnesses may be documented/ explained via a signed parent note. In such circumstance, the student shall suffer no academic penalty, provided that all course work, examinations, etc. are made up within a reasonable period of time. For continued absence due to illness of 10 or more days, a doctor/health professional's note is required.
*Note 2: A "reasonable period of time" to make-up work is defined as: At a minimum, the student shall have no less than the number of days he/she was absent plus 1 day to complete and hand in makeup work for credit. Specific arrangements must be made with the student's teacher.
*Note 3: A student who is absent is required to make up all course work missed, regardless of whether the absence is excused or unexcused.
It is the student's responsibility to obtain assignments upon returning to class immediately following an absence.

Seminole County Public Schools Pre-International Baccalaureate Preparatory Program

- The SCPS Pre-International Baccalaureate Prep program is available to academically challenge students and to help prepare students for honors, Advanced Placement, or International Baccalaureate high school courses/ program.
- The SCPS Pre-IB Prep program is usually taken by college-bound students who want to be academically challenged and to be immersed in an accelerated program.
- These courses follow a different, more rigorous and faster paced curriculum than the standard level course strand.
- No entrance requirements are mandated, however, students are required to maintain a 3.0 (B average) to remain in the program. There is support to assists students who experience some difficulty and every effort is made to ensure the success of our students. Successful completion of the SCPS Pre-IB Prep program at Sanford Middle will allow acceptance into the IB program at Seminole High School.
- Application forms are available in all elementary and middle school guidance offices and at the Educational Support Center.
- Bus transportation is provided to all students living more than 2 miles from the school.

- **The SCPS Pre-IB Prep Program-** The SCPS Pre-IB Prep program prepares students for the International Baccalaureate Program at the 11th and 12 grade levels at Seminole High School. The advantages of the IB program include:

  • Rigorous academic preparation for college
  • An internationally recognized diploma honored by colleges and universities throughout the world
  • Advanced placement and course credit (as much as one year) in many prestigious colleges and universities
  • Examinations based on international standards and evaluated by international educators
  • Curriculum taught from a global perspective incorporating the best educational elements from around the world
  • A sense of accomplishment in meeting the challenge of an international standard of excellence
  • Participation in an interdisciplinary team of dedicated students
  • A world class education in Seminole County

- SCPS Pre-IB Prep teachers follow the course-specific Scope & Sequence.
- Community Service- The goal of community service in a SCPS Pre-IB Prep program should be to develop a service mind-set. This can be done when it is incremental and transitional, and when we give students the opportunity to do community service. Middle school students should be provided a community service environment that is safe and fosters the sense of service. Community service opportunities at school provides a safe environment.

Three-Year Overview

Standard Program			Pre-International Baccalaureate Prep Program		
6th Grade	7th Grade	8th Grade	6th Grade	7th Grade	8th Grade
Math	Math	Pre-Algebra Or Algebra I Standard	Pre-IB Math Or Pre-Algebra	Pre-Algebra Or Algebra I Honors	Algebra I Or Algebra I Honors Or Geometry I Honors
Earth Space Sci*	Physical Sci*	Life Sci*	Pre-IB Earth Space Sci*	Pre-IB Physical Sci*	Pre-IB Life Sci Or Biology I Honors
World History* Lang. Arts*	Civics* Lang. Arts*	U.S. History* Lang Arts*	Pre-IB World History* Pre-IB Lang. Arts 6TH Grade Spanish	Pre-IB Civics Pre-IB Lang. Arts 7th Grade Spanish or Pre-IB Spanish I	Pre-IB U.S. History Pre-IB Lang Arts Pre-IB Spanish I or Pre-IB Spanish II

Required Non-Core Academic					
6th Grade	7th Grade	8th Grade	6th Grade	7th Grade	8th Grade
Physical Fitness Computer Applications Intro. Word, PowerPoint, Excel, Networking, Career Unit	Physical Fitness Computer Applications II Intro. Publisher, Adv. Word/Excel, Networking, Career Unit		Physical Fitness Computer Applications I Intro. Word, PowerPoint, Excel, Networking, Career Unit	Physical Fitness Computer Applications II Intro. Publisher, Adv. Word/Excel, Networking, Career Unit	

Magnet and Elective Courses				
Humanities	Band I	Guitar II	Art I	Yearbook
	Band II	Chorus I	Art II	Future Teachers
	Band III	Chorus II	Cartooning	Spanish
	Jazz Band	Chorus III	Drama I	Speech and Debate
	Guitar I	Musical Keyboards	Drama II	Creative Writing I
Wellness	P.E.	Softball/Baseball	Cheerleading	Basketball
	Body Wellness	Field Sports	Dance	Weight Training
	Flag Football	Tennis	Volleyball	AFJROTC
S.T.E.M. Science, Technology, Engineering, and Math	Pre-Medical I	Aeronautics I		Marine Biology I
	Pre-Medical II	Aeronautics II		Marine Biology II
	Pre-Medical III	Aeronautics III		Meteorology
	Pre-Veterinary I	Environmental Science I		Advanced Math Prep
	Pre-Veterinary II	Environmental Science II		Intro. Applied Physics
	Pre-Veterinary III	Pre-Mechanical/Civil Engineering		Programming/Game Design
	Digital Photography	Pre-Electrical Engineering		Intro to Information Technology
	Web Design I	Bio-Technology I		Computer Management A+
	Web Design II	Bio-Technology II		Architectural Science I
	Video I	Robotics I		Architectural Science II
	Video II	Robotics II		Applied Computer Business Skill
	Video III	Digital Art		

Language Arts

6TH GRADE M/J LANGUAGE ARTS 1 1001010
Sixth grade language arts curriculum consists of reading, literature, composition, grammar, spelling and vocabulary. Reading skills will be reinforced and developed through literary and informative pieces, and students will enhance writing skills through argumentative and informative/expository writing, including essays, short response paragraphs. Students will also participate in a formal unit on speech presentation.

6TH GRADE M/J LANGUAGE ARTS 1 ADV/PR-IB 1001020/ GIFTED/PRE-IB 1001020LG1
The SCPS Pre International Baccalaureate Preparatory (Pre-IB Prep) classes have a more in-depth study and students are expected to perform at higher levels. The sixth grade language arts curriculum is advanced and accelerated. However, enrollment is open to any student willing or wanting to be challenged by rigorous curriculum. It consists of literature, composition, grammar, spelling and vocabulary. Reading skills will be reinforced and developed through literary and informative pieces, including poetry, short stories and/or novels. Students will enhance writing skills through argumentative and informative/expository writing. Students participate in a formal unit on speech presentation. This curriculum is enriched horizontally while accelerated vertically.

7TH GRADE M/J LANGUAGE ARTS 2 1001040
Seventh grade language arts continues to builds on the skills developed during sixth grade, and consists of literature, composition, grammar, spelling and vocabulary. Reading skills are reinforced through literary and informative texts, with an emphasis on poetry. Students continue to build on writing skills through argumentative, informative/expository and narrative writing, including essays, poetry and short response paragraphs. Presentation skills and media literacy will be critiqued and studied through student involvement in speech making.

7TH GRADE M/J LANGUAGE ARTS 2 ADV/PRE-IB 1001050/GIFTED/PRE-IB 1001050LG1
The SCPS Pre International Baccalaureate Preparatory (Pre-IB Prep) classes have a more in-depth study and students are expected to perform at higher levels. The "Areas of Interaction" (environment, health, community service, approaches to learning) are incorporated into all curriculum areas. Advanced seventh grade language arts curriculum is designed to be fast paced, for those students who are reading and writing at or above grade level, and who enjoy the many aspects of language arts. However, enrollment is open to any student willing or wanting to be challenged by rigorous curriculum. Reading skills are continually reinforced by in-depth readings of literary and informational texts, including poetry, short stories and/or novels. Students continue to build and refine writing skills in argumentative and informative/expository areas, writing more well-developed paragraphs and essays. There is a concentration on grammar, usage and mechanics while writing and editing their own work. Reading for pleasure and information is essential to all areas of language arts skill development; therefore, extra reading outside of class is a requirement for advanced/Pre IB students. This curriculum is enriched horizontally while accelerated vertically. Advanced/Pre-IB language arts students will also participate in a cross-curricular project, incorporating language arts, civics and science.

8TH GRADE M/J LANGUAGE ARTS 3 1001070
Eighth grade language arts curriculum continues to build on the skills learned and developed in sixth and seventh grade, and consists of literature, composition, media literacy, grammar, and vocabulary. Students will read a wide variety of informational and literary texts, including poetry, short stories and/or novels. Students will continue to enhance writing skills through argumentative and informational/expository writing, producing a variety of products taken through all stages of the writing process.

8TH GRADE M/J LANGUAGE ARTS 3 ADV/PRE - IB 1001080/ADV/GIFTED/PRE-IB 1001080LG1
The SCPS Pre International Baccalaureate Preparatory (Pre-IB Prep) classes have a more in-depth study and students are expected to perform at higher levels. The "Areas of Interaction" (environment, health, community service, approaches to learning) are incorporated into all curriculum areas. Eighth grade advanced language arts curriculum involves moving at a vigorous pace. However, enrollment is open to any student willing or wanting to be challenged by rigorous curriculum. Vocabulary is enhanced through analogies and written usage. Literary analysis is used with numerous pieces, both in class and independently outside of class. Reading skills are reinforced by in-depth, close readings of literary and informational texts, including poetry, short stories and/or novels. Writing skills are refined through a focus on grammar, vocabulary, and studying professional authors' writing, in addition to practicing skills learned in the areas of argumentative and informative/expository writing. Reading for pleasure and information is essential to all areas of language arts skill development; therefore, extra reading outside of class is often a requirement for advanced/Pre IB students.

Social Studies

6TH GRADE M/J WORLD HISTORY 2109010
The sixth grade social studies curriculum consists of the following content area strands: World History, Geography, Civics, and Economics. The primary content for this course pertains to the world's earliest civilizations to the ancient and classical civilizations of Africa, Asia, and Europe. Students will be exposed to the multiple dynamics of world history including economics, geography, politics, and religion/philosophy. Students will study methods of historical inquiry and primary and secondary historical documents.

6TH GRADE M/J WORLD HISTORY ADV /PRE-IB 2109020/GIFETED/PRE-IB 2109020LG1
The Pre International Baccalaureate Preparatory (Pre-IB Prep) classes have more in depth study and students are expected to perform at higher levels. The sixth grade social studies curriculum consists of the following content area strands: World History, Geography, Civics, and Economics. The primary content for this course pertains to the world's earliest civilizations to the ancient and classical civilizations of Africa, Asia, and Europe. Students will be exposed to the multiple dynamics of world history including economics, geography, politics, and religion/ philosophy. Students will study methods of historical inquiry and primary and secondary historical documents.

7TH GRADE M/J CIVICS 2106010
The primary content for the course pertains to the principles, functions, and organization of government; the origins of the American political system; the roles, rights, responsibilities of United States citizens; and methods of active participation in our political system. 30 percent of the student's course grade shall be based on the state-wide, standardized end-of-course assessment.

7TH GRADE M/J CIVICS ADV/PRE-IB 2106020/ GIFETED/PRE-IB 2106020LG1
The Pre International Baccalaureate Preparatory (Pre-IB Prep) classes have more in depth study and students are expected to perform at higher levels. The primary content for the course pertains to the principles, functions, and organization of government; the origins of the American political system; the roles, rights, responsibilities of United States citizens; and methods of active participation in our political system. 30 percent of the student's course grade shall be based on the state-wide, standardized end-of-course assessment.

8TH GRADE M/J UNITED STATES HISTORY 2100010
The purpose of this course is to enable students to understand the development of the United States within the context of history by examining connections to the past to prepare for the future as participating members of a democratic society. The student will examine political, economic, technological and social developments of the United States from the Exploration Period through Reconstruction, with special emphasis on Florida's role. The course of study should include, but is not limited to: the impact of expansion on the development of America; political, social, and economic conflicts and compromise; influence of diverse groups on cultural development of the U.S.; key concepts of the U.S. Constitution and other historical documents.

8TH GRADE M/J UNITED STATES HISTORY ADV/ PRE-IB 2100020/ GIFTED/PRE-IB 2100020LG1
Courses offer learning opportunities scaffold for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing historical documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, solving problems, etc. Students will develop and demonstrate their skills through participation in an extended research-based project (e.g., History Fair Project, participatory citizenship project, mock congressional hearing, projects for competitive evaluation, investment portfolio contests, or other teacher-directed projects).

M/J United States History, Pre IB Prep/Advanced 2100020
This course is designed for the highly motivated student who wishes to pursue the International Baccalaureate Program or Advanced Placement courses in high school. Students will explore the events of U.S. History using documents, images, cartoons and other primary sources along with secondary text. With a more rigorous focus on document based inquiry, the students will examine and analyze the political, economic, technological and social developments of the United States from the period of colonial settlement through Reconstruction. Florida's role in our nation's history will also be emphasized. Instruction will focus on students developing an understanding of themes in U.S. History including the

impact of world events on American thinking. This course was designed to give students a more in-depth view of U.S. History and includes the development of complex skills in reading, writing and research. Writing in a historical context will be emphasized and students will be expected to engage in extended research (e.g. History Fair Project, Mock Trial, participatory citizenship project, projects for competitive evaluation, or other teacher-directed projects) and produce writing of significance on a frequent basis.

Science

6TH GRADE M/J EARTH/SPACE SCIENCE 2001010

The sixth grade science curriculum builds on the skills and concepts studied in fifth grade. These skills and concepts include basic safety skills, use of the scientific method and the metric system. Emphasis is placed on the use of the scientific method to solve problems and understand natural phenomena. The Earth-Space science course provides an opportunity for students to explore the earth's materials, processes, place in the universe, and history. Other topics covered in this course are meteorology, oceanography, astronomy, and geology. Laboratory activities and safe laboratory techniques are an essential part of this course. Projects are used to further the students' understanding of the key concepts. All students will have The opportunity to participate in the Science Fair.

6TH GRADE M/J EARTH/SPACE SCIENCE ADV/PREIB 2001020/GIFTED/PRE-IB 2001020LG1

Sixth grade students at the advanced level, in addition to demonstrating the standard level, make connections among unifying concepts and processes to explain the natural world and the dynamic nature of science. The cognitive complexity for students at this level reaches into a higher level of thinking, requiring frequent responses, citing evidence, drawing conclusions, explaining phenomena, and using concepts to solve problems. Students extend many of the higher level thinking skills over an extended period of time, making connections between related concepts and phenomena and synthesizing ideas into new concepts. They will propose new problems, questions and/or experimental designs based on results or research. Students analyze information to provide new insights and draw related logical conclusions that are not immediately obvious. They will identify issues, evaluate science information and principles, and make and support decisions, with justification. Students independently research how scientific knowledge changes and grows due to the contributions of individuals. They will also be required to complete a science fair project.

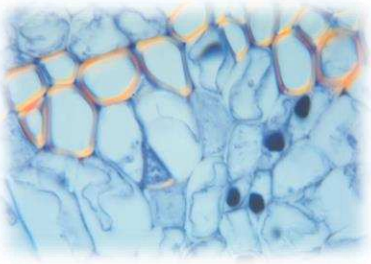
7TH GRADE M/J PHYSICAL SCIENCE 2003010

The seventh grade science curriculum introduces students to basic laboratory safety skills, use of the scientific method, and measuring in the metric system. The content area for the seventh grade focuses on chemistry and physics. Chemistry deals with the properties of matter, changes of matter (physical and chemical) and the atomic model of matter. While taking this course students will investigate a variety of concepts including force, energy, laws of motion, light and sound. Laboratory investigations and safe laboratory techniques are an essential part of this course. Projects are used to further the student's understanding of key concepts. All students will have to opportunity to participate in the Science Fair.

7TH GRADE M/J PHYSICAL SCIENCE ADV/PRE-IB 2003020 GIFTED/PRE-IB 2003020LG1

Seventh grade students at the advanced level, in addition to demonstrating the standard level, make connections among unifying concepts and processes to explain the natural world and the dynamic nature of science. The cognitive complexity for students at this level reaches into a higher level of thinking, requiring frequent responses, citing evidence, drawing conclusions, explaining phenomena, and using concepts to solve problems. Students extend many of the higher level thinking skills over an extended period of time, making connections between related concepts and phenomena and synthesizing ideas into new concepts. They will propose new problems, questions and/or experimental designs based on results or research. Students analyze information to provide new insights and draw related logical conclusions that are not immediately obvious.

8TH GRADE M/J LIFE SCIENCE 2000010
The eighth grade curriculum builds on the skills and concepts studied in the sixth and seventh grade. Safety skills and the use of the scientific methods, and metric system are utilized to further students' knowledge of science. The content for the eighth grade deals with life science. The focus of the course starts with the animal and plant cells and move on to the classification systems for the major kingdoms (i.e., bacteria, fungi, protist, plants and animals) of life. Also included in the course is the study of the human body, human sexuality, genetics, and evolution. The course culminates with the study of the ecology of our surroundings. Laboratory techniques and safe laboratory techniques are an essential part of the course. Projects are used to further the students' understanding of the key concepts. All students will have to opportunity to participate in the Science Fair.



8TH GRADE M/J LIFE SCIENCE ADV /PRE-IB 2000020/GIFTED/PRE-IB 2000020LG1
Eighth grade students at the advanced level, in addition to demonstrating the standard level, make connections among unifying concepts and processes to explain the natural world and the dynamic nature of science. The cognitive complexity for students at this level reaches into a higher level of thinking, requiring frequent responses, citing evidence, drawing conclusions, explaining phenomena, and using concepts to solve problems. Students extend many of the higher level thinking skills over an extended period of time, making connections between related concepts and phenomena and synthesizing ideas into new concepts. They will propose new problems, questions and/or experimental designs based on results or research. Students analyze information to provide new insights and draw related logical conclusions that are not immediately obvious. They will identify issues, evaluate science information and principles, and make and support decisions, with justification. Students independently research how scientific knowledge changes and grows due to the contributions of individuals.

They will also be required to complete a science fair project.

BIOLOGY I HONORS 2000320/GIFTED 2000320LG1
In this course students will explore the relationship between organisms and their environments, and between their individual cells and systems. The processes of life will be approached from the viewpoints of cellular structure and function, genetics and molecular biology, classification of organisms, physiology, biochemistry, and biological changes through time. This course expects students be capable of comprehending scientific concepts presented at an advanced level. Laboratory activities are a significant component in the course and offer students an opportunity to become familiar with scientific instruments and experimental methods.

Laboratory activities and safe laboratory techniques are an essential component of this class and offer students an opportunity to become familiar with scientific instruments and methods.

Taking the high school Biology course in grade 8 allows IB-Prep students to earn an additional high school science credit; students may not omit science from their schedules in grades 9 and 10. Students may drop this course during the 1st 9 weeks only.

MATHEMATICS

6TH GRADE M/J MATHEMATICS 1 1205010
Students will:

- Connect ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems.
- Understand division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers.
- Write, interpret, and use expressions and equations.
- Develop an understanding of statistical thinking.
- Develop an understanding of and apply proportional relationships.
- Develop an understanding of operations with rational numbers and working with expressions and linear equations.
- Reason about relationships among shapes to determine area, surface area, and volume.

6TH GRADE M/J MATHEMATICS 1 ADV/PRE-IB 1205020/GIFTED/PRE-IB 1205020LG1
All topics in M/J Mathematics 1 are included in 6th Grade Adv./ Pre-IB Prep M/J Mathematics 1.
In addition, students will:

- Connect ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems.
- Understand division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers.
- Write, interpret, and use expressions and equations.
- Develop an understanding of statistical thinking.
- Develop an understanding of and apply proportional relationships.
- Develop an understanding of operations with rational numbers and working with expressions and linear equations.
- Reason about relationships among shapes to determine area, surface area, and volume.
- Extend their understanding of ratios and develop an understanding of proportionality to solve single- and multi-step problems.
- Develop a unified understanding of a number, recognizing fractions, decimals, and percents as different representations of rational numbers.

6TH GRADE GEMS MATHEMATICS 2 ADV/PRE-IB 1205050G/GIFTED/PRE-IB 1205050LG
Prerequisite: 5th grade PRIMES
This rigorous course combines content from 6th, 7th and 8th grades in order to prepare students to be successful in Algebra I Honors in 7th grade. Due to the quantity and rigor of material that students must learn for success in Algebra I Honors, students will be expected to complete additional assignments and coursework outside of the classroom on the computer. This work will be a "virtual bridge" that provides computer-based instruction and assessment that the teacher will integrate into work completed in the classroom.

7TH GRADE MATHEMATICS 2 1205040
Students will:

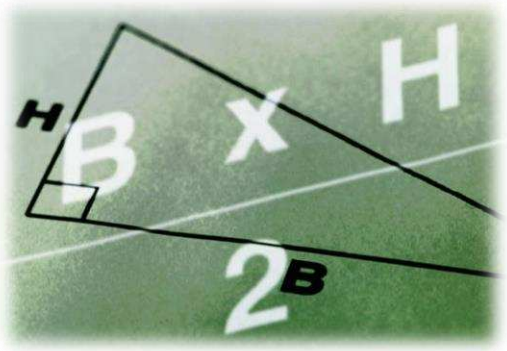
- Develop an understanding of and apply proportional relationships.
- Develop an understanding of operations with rational numbers and work with expressions and linear equations.
- Solve problems involving scale drawings and informal geometric constructions, and work with two- and three-dimensional shapes to solve problems involving area, surface area, and volume.
- Draw inferences about populations based on samples.

7TH GRADE MATHEMATICS 2 ADV/PRE-IB 1205050/ GIFTED ADV/PRE-IB 1205050LG1
Prerequisite: 6th grade advanced recommended
Students will:

- Solve problems involving scale drawings and informal geometric constructions, and work with two- and three-dimensional shapes to solve problems involving area, surface area, and volume.
- Draw inferences about populations based on samples.
- Formulate and reason about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations.
- Grasp the concept of a function and use functions to describe quantitative relationships.
- Analyze two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understand and apply the Pythagorean Theorem.

ALGEBRA I HONORS 1200320M
ALGEBRA I HONORS GIFTED 1200320ML
Prerequisite: 7th grade advanced is recommended
Grade: 7-8 Year
Algebra I Honors includes a rigorous, in-depth study of all of the topics included in Algebra I as well as Binomial theorem, solving radical and rational equations, systems of nonlinear functions, inverse functions, deeper exploration of arithmetic and geometric sequences and series. It is strongly recommended that students taking this course have successfully completed their previous math course. Additionally, students will work on test taking skills and problem solving techniques to prepare for the End of Course Exam (EOC). Algebra I or its equivalent course is required for high school graduation.

GEOMETRY HONORS 1206320M
GEOMETRY HONORS GIFTED 1206320ML
Prerequisite: Algebra I
Grade: 8 Year
This course includes a rigorous, in-depth study of all of the Geometry topics as well as, but not limited to: in depth constructions, Cavalieri's principle, proving and applying laws of sine and cosines in non-right triangles, and conic sections. A graphing calculator is required. It is strongly recommended that students taking this course have successfully completed their previous math course. Additionally, students will work on test taking skills and problem solving techniques to prepare for the End of Course Exam (EOC).



8TH GRADE PRE-ALGEBRA 1205070
Students will:

- Formulate and reason about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations
- Grasp the concept of a function and use functions to describe quantitative relationships.
- Analyze two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understand and applying the Pythagorean Theorem.

ALGEBRA I 1200310M
Prerequisite: 7th grade advanced is recommended
Grade: 8 Year
The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Standards for Mathematical Practice apply throughout each course, and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Additionally, students will work on test taking skills and problem solving techniques to prepare for the End of Course Exam (EOC). Algebra I or its equivalent course is required for high school graduation.

Non-Core Required/Electives

Non-Core Required 6th Grade Courses

COMPUTER APPLICATIONS 1 9100110
Grade: 6 Semester

This semester-long course is designed to provide instruction in keyboarding, computer hardware, Internet, introductory word processing, introductory electronic presentation, introductory spreadsheet, and soft skills for business applications.

PHYSICAL FITNESS I 15086000F6
Grade: 6 Semester
Students participate in a variety of experiences that enhance sports/skills, cardiovascular endurance, and overall fitness. Each student learns lifetime activities that help maintain wellness. Students will be introduced to individual and team activities.

Non-Core Required 7th grade Courses

COMPUTER APPLICATIONS 2 8200210
Grade: 7 Semester
This semester-long course is designed to provide instruction in intermediate keyboarding, intermediate computer hardware, intermediate Internet, intermediate word processing, intermediate electronic presentation, intermediate spreadsheet, introductory digital design, and soft skills for business applications. Students are also assisted in making informed decisions regarding their future academic and occupational goals.

PHYSICAL FITNESS II 15086000F6
Grade: 7 Semester
The physical education department offers students a variety of experiences that will enhance sports/skills, cardiovascular endurance, and overall fitness. Each student learns lifetime activities that help maintain wellness. Students will be introduced to individual and team activities.

Foreign Language

6TH GRADE SPANISH 0708000
Grade: 6 Semester
Students will work in groups, pairs and individually to build basic conversational skills of the target language. Further development of vocabulary and initial understanding of grammatical structures is achieved through drills, hands on projects and use of various forms of technology. Periodically students have use of the computer lab and available software to improve their oral and aural skills. Students will learn how to conjugate regular and some irregular verbs in present tense.

7TH GRADE SPANISH 0708010
Grade: 7 Semester
Students will demonstrate understanding and development of basic and more advanced vocabulary in the target language. They will have the opportunity to improve their conversational skills to include information about the present and past activities and experiences. They will participate in more advanced levels of conversational skills in the target language. Students will also recognize popular literature, art, famous Hispanic achievers, and cultural events in which will allow them to experience connections and comparisons of their personal lives to the natives of the target language.

PRE-IB SPANISH I 708800
Grade: 8 Year
In this course, the student will work toward proficiency in Spanish through the development of the four main skill areas: listening, reading, writing and speaking. Equal emphasis will be given to the teaching of these four skills. The students will take part in individual, as well as partner and group work to develop oral proficiency. Course work will include the mastery of basic grammatical structures and acquisition of every day vocabulary in Spanish. In addition, students will study some of the frequently used idioms in the Spanish language. Students also will begin to build an awareness of the cultural variety of the Spanish speaking world.

PRE-IB SPANISH II 0708350
Prerequisite: Spanish 1
Grade: 8 Year
This course is designed and recommended for the student who has successfully completed Spanish I with a grade of C or better. This course is designed for the student to continue to develop skills in listening and speaking. Conversation in the target language is stressed. Reading and writing will be further developed through expanded vocabulary and more complex grammatical structures. Culture, history and geography will be studied in greater depth.

All IB students are required to take Spanish for all three years.

Electives

Elective Physical Education includes specific categories of physical education areas. Students can choose an area which will include several activities during that course period. Each student will learn lifetime activities that help maintain wellness. Students are to have fun and enjoy physical activity in a safe and healthy environment. These are semester courses.

BASKETBALL 15086000B6
Grade: 6-8 Semester
Basketball skills and strategies will be developed through practice and play.

VOLLEYBALL 15086000V6
Grade: 6-8 Semester
Volleyball skills and strategies will be developed through practice and play.

TENNIS 15086000T6
Grade: 6-8 Semester
Tennis skills and strategies will be developed through practice and play.

FLAG FOOTBALL 15086000S6
Grade: 6-8 Semester
Running and conditioning skills/strategies will be developed through practice and play.

FIELD SPORTS 15086000L6
Grade: 6-8 Semester
Soccer, softball, flag football, kickball, track and field, and Gatorball.

SOFTBALL/BASEBALL 15086000I6
Grade: 6-8 Semester
Running and conditioning skills/strategies will be developed through practice and play.

CHEERLEADING I 15086000C6
Grade: 6-8 Semester
Knowledge of safety issues while learning stunts, gymnastics, and dance will be stressed. Aerobics and weight training will also be included to develop high levels of cardiovascular fitness and strength.

DANCE 15086000D6
Grade: 6-8 Semester
Students will learn the dance moves and routines that are used in dance teams. Dance techniques will be incorporated to develop cardio vascular fitness and muscular strength.

BODY WELLNESS 15086000W6
Grade: 6-8 Semester
The purpose of this course is to enable students to develop competence in skills related to body management. Students will apply this knowledge and skill in aerobics, weight training, gymnastics, yoga and individual activities; and improve or maintain health-related fitness.

WEIGHT TRAINING 15087000W7
Grade: 8 Semester
Designed to enhance the physical abilities and coordination of 8th grade students, this course aids those who are planning to compete at the interscholastic level in sports. It includes safety and weight training procedures for high school athletes.

INTROD. TO AFJROTC 2104010
Grade: 6-8 Semester
Air Force Junior ROTC is an introduction to the Air Force, military customs and traditions, and drill and ceremonies. Students learn leadership, teamwork, and citizenship through activities on campus and in the community. We assist World War II veterans participating in Honor Flight, march in parades, and provide color guards for school and community events. Students participate in physical training, a unit of study that reflects military history, and a unit of study that relates to the mission of the Air Force: flight, space, or cyber security. The specific unit rotates each semester because students are invited to retake the class and move up in rank and leadership positions.

Electives
Humanities

ART 1 0101005
Grade: 6-8 Semester
This is a beginning level art class. Students work with both 2-D and 3-D media in Art 1, we cover a large variety of material. Students will start the semester learning drawing techniques and color theory. We use these foundations as building-blocks for the semester. Students will create collage and mosaic work, many styles of self-portraits, Pariscraft masks, paper-mâché animal masks, and ceramic projects.

ART II 0101010
Prerequisite: Art I
Grade: 6-8 Semester
This course covers similar topics to Art1 but at a more intense level and in a more rigorous nature. Students learn advance drawing techniques, including those used at the high school and college level. By the end of this semester-long course, students will have developed a strong portfolio. We cover portraiture, two-point perspective, clay, linoleum print making, and mask making.

CARTOONING & CARICATURES 0101020
Prerequisite: Art I
Grade: 7-8 Semester
Cartooning is an intensive drawing class. We draw every day and create a new book once a week, for the first nine weeks, on average. Students will learn a variety of drawing styles and also about the history of cartoons and comic drawings. Students will create original characters and include them in their Big Book project. In this project, the students will draw a twenty page comic, sew the pages to the spine, and learn how to successfully bind their book.

BEGINNING BAND 1302000
Grade: 6-8 Year
Anyone can be successful and can play an instrument that is appropriate for that individual. No musical experience is required. Students will be provided instruction in the development of fundamentals of posture, tone production, breathing, instrument care, music reading, rhythm, musical terms and symbols, and proper performance techniques are taught.

Band students must either provide their own instruments or rent them from a local music store. Instrument rental fees range from $20 to $30 per month. Band students will also be expected to attend all band functions, which may include occasional afternoon practices, evening performances, field trips, and parades.

INTERMEDIATE BAND 1302010
Prerequisite: Band 1 or Teacher recommendation required
Grade: 7-8 Year
This course is open to students who have completed one full year of beginning band. Music fundamentals, tone production, and music theory are reinforced in the classroom environment, and students have various opportunities to perform at school, civic, and state sponsored festivals. The knowledge of 7 scales is required.

ADVANCED BAND 1302020
Prerequisite: Teacher recommendation required
Grade: 7-8 Year
This course is open to all students who have completed one year of beginning band and/or concert band. Advanced Band enrollment is contingent on a student's dedication to his/her personal musical development. Challenging wind ensemble literature is presented to the students. Private lessons are strongly encouraged, and students are required to perform at the district solo and ensemble festival, as well as school and civic functions.

JAZZ BAND 13020200JZ
Prerequisite: Teacher recommendation required
Grade: 7-8 Year
Jazz Band consists of students in concert or advanced band who show an interest in the study of jazz music. Selection is based on director recommendation, and students will participate in local and state festivals. Jazz theory, history, improvisation, and performance styles are concepts involved in this course. Students are required to perform at school and civic events.

GUITAR I 1301060
Grade: 6-8 Semester
This course is designed for students interested in learning to play the guitar who have no previous training. The goals are to teach students proper playing technique, basic musical skills, and various styles of music. At the end of the course students will be prepared to continue playing the guitar as either a hobby or pursue further training on the guitar either by private lessons or the guitar II course.

GUITAR II 1301060
Prerequisite: Successful completion of Guitar I
Grade: 6-8 Semester
This course is designed for those students that have passed Guitar I and would like to pursue the guitar even further. Students will develop more advanced techniques, playing as a group and improvise on the guitar. At the end of the course, students will be prepared to continue playing the guitar as either a hobby or pursue further training on the guitar through private lessons or instructional books.

MUSICAL KEYBOARDING 1301030
Grade: 6-8 Semester
This course introduces the student to reading and playing music on the keyboard instrument. The class focuses on beginning piano instruction. Students will learn fundamentals of the piano/keyboard technique and basic music notation. This course is designed for students with no previous piano instruction.

MUSICAL KEYBOARDING II 13010300K2
Prerequisite: Successful completion of Keyboarding I
Grade: 7-8 Semester
This course is designed to further develop the skills learned in Musical Keyboarding I and introduces the student to more musical terms and notation while developing independence in the hands and proper technique while playing the piano/keyboard.

CHORUS I 1303000
Grade: 6-8 Year
This ensemble is a mixed choir (male and female – two parts) and is open to any student wishing to learn how to sing for the first time. Students will learn to sing a variety of different musical styles. In addition to learning music, there will be an emphasis placed on proper vocal production and health at all times. Basic musical terms, symbols, note reading, rhythm values, meters, and proper concert/performance techniques are employed to achieve the goals set for successful completion of the class and to help students prepare for the audition process to move up to the Nova ensemble. Students are required to stay after school at various locations and require parental consent and transportation by parents.

CHORUS II 1303010
Prerequisite: Chorus I and/or Audition/Teacher approval
Grade: 7-8 Year
This ensemble is a mixed choir (male and female – two parts) and is open to any student wishing to continue from Chorus I. Students will learn to sing a variety of different musical styles and proper vocal production.

CHORUS III 1303020
Prerequisite: Chorus II and/or Audition/Teacher approval
Grade:7-8 Year
This ensemble is a mixed choir (male and female - SSAB) and auditioned by the director each spring. The class specializes in 20th Century Jazz/Rock/Pop music as well as traditional music. Students will also learn choreography to some of the selected repertoire. The audition consists of a demonstration of dance skills and a vocal solo presentation. Nova members are required to attend after school rehearsals each week. Nova members are, also required to participate in all extracurricular events, which include performances for local civic organizations, convention shows, FVA District Festival, FVA State Festival, National Festivals and other community performances. Performances accepted by the director. Festival fees are inherently the responsibility of each student but supported by several choral department fundraisers as outlined in the SMS Choral Hand Book. Students will actively participate in musical activities and concert performances. Students are required to stay after school at various locations and require parental consent and transportation by parents.

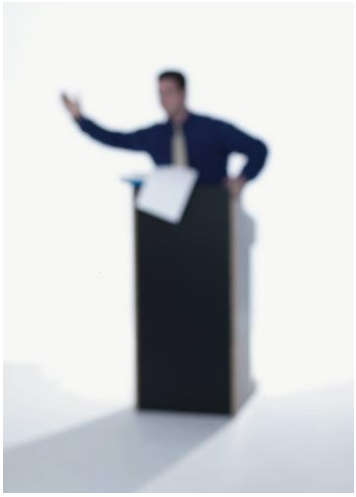
FUTURE TEACHERS OF AMERICA - APPLICATION CLASS 8440350
Grade: 8 Semester
This course was created for those students who are interested in learning about the teaching profession. Students are trained in the use of the copy machine, letter-cutter, and other school equipment. Students also receive training in working with younger students and assisting teachers. Once trained, students are assigned to one or two teachers for one class period a day. There they receive hands-on experience with the teaching profession. **Students must fill out an application and meet qualifications for this class.**

DRAMA I 0400000
Grade: 6-8 Semester
Drama I teaches students the basic elements of theater production and the dynamics of acting through voice and character development, scene analysis, and performance opportunities. Students learn basic acting skills such as presenting monologues, how to audition, improvisation, characterization, preparing a role, stage movement, and choreography. In addition, students are guided through various aspects of the production process from rehearsals to backstage crews to costuming and make-up techniques.

DRAMA II 0400010
Prerequisite: Drama I
Grade: 7-8 Semester
Drama II's objective is to prepare student actors for auditions in the real world of theater. Students practice and learn audition techniques, prepare and perform monologues, scenes, and one act plays. They have opportunities to see and hear professionals perform through videos, live productions, and guest speakers. Student actors create a performance troupe that present live and video-taped productions. They appear at various school functions and on the morning announcements as well as at other schools and in the community.

YEARBOOK I - APPLICATION CLASS 1006000YB
Prerequisite: Application/Teacher Approval
Grade: 7-8 Year
Students construct the school's yearbook. During the year, students will gain knowledge of computer technology through creating layouts for each page of the yearbook. Students enhance skills in teamwork, time management, and organization throughout the course. Students entering this course must commit to covering extracurricular events, attend special training clinics, and participating in the business part to include securing advertisements. During the year, students gain knowledge of computer technology through creating layouts for each page in the yearbook. **Students must fill out an application and meet qualifications for this class.** Parental consent forms are also required.

SPEECH & DEBATE 100700
Grade: 6-8 Semester
This course will be a basic course in speech and debate. Students will learn about effective verbal and nonverbal communications skills. They will learn to construct, use and defend and an argument in debate. They will assess their own public speaking skills, as well as the public speaking skills of their peers.



Creative Writing I 1009000
Grade: 6-8 Semester
This course is designed to develop student's creative writing ability and explore the art of writing. The content is focused on students using writing, speaking and listening skills. Students will look to a variety of formats using the creative writing process, as well as study several simple forms of poetry. Students will also be encouraged to submit works for local, state, and national contests. Students will use a variety of writing techniques in developing creative stories for the Gaming elective.

Creative Writing II 1009010
Grade: 7-8 Semester
This course is designed to deepen and enhance student's creative writing skills and delve further into the world of creative writing. The content focuses on taking the skills learned and practiced in Creative Writing I and expanding on them. The class will challenge writers to step out of their comfort zone and try new styles of narrative, expressive, and poetic writing. Students will also be encouraged to submit works for local, state, and national contests.

Electives
S.T.E.M. (Science, Technology, Engineering, and Math)

VIDEO PRODUCTION I 8260300
Grade: 6-8 Semester
Video production one is an overview of how media, specifically television, has helped shaped society from its invention in1926 to present day. Students will examine how television started and its impact on society over the past one hundred years. We will examine the various forms of video formatting as well as the basic equipment of modern day newsrooms. Students will explore how different forms of light are used to enhance an individual or object that is being videoed. This course will teach students the appropriate way to interview a prospective client when developing a potential story. Students will then practice those interviewing techniques in class before being videotaped. Each class will use the videotaped interviews to critique each other's work so they can improve on that particular skill. We will introduce students to storyboarding techniques, which they will use to develop an extended project in class. Students who successfully complete video production one are prepared to take video production two.

VIDEO PRODUCTION II 82604000
Prerequisite: Video Production I
Grade: 7-8 Semester
Video production two builds on skills learned in video one. Students will begin learning about and using audiovisual equipment to create small segments of news that they will study and identify areas that need improvement. We will compare and contrast different forms of light and the effects of light when shooting the news. Students will learn how to take a news story and develop the story into a piece that would be ready to tape. Video two students will also complete research for several of the segments we use in video three for the news. They will use storyboarding techniques to make sure all angles of a story are covered in detail. Upon completing of video two, students may apply for video three.

VIDEO PRODUCTION III - Application Class 82605000
Prerequisite: Video Production I & II
Grade: 8 Year
Video production three is responsible for taking different news pieces and producing the morning news. Students in this class will develop school based news stories, create visual aids to enhance the information, deliver the news, and adjust audiovisual equipment to make sure all parts of the news are professional looking. Students will also work with clients that come into the studio as guest speakers to ensure the sound is correct, lighting is adequate, and their script is on point. **Students must fill out an application and meet qualifications.**

INTRODUCTION TO APPLIED PHYSICS 2003030AP
Grade: 6-8 Semester
Introduction to Applied Physics is a semester elective for highly motivated, self-reliant students. The course seeks to challenge students to go beyond the traditional basic middle school Physical Science Textbook Studies of Matter, Energy and Forces. Inquiry based learning strategies are employed throughout the semester. In-depth topics covered may include, but are not limited to, Futuristic Alternative Energies, Biophysics of the Eye, Controlling Electromagnets, Reducing Noise Pollution, Polarizing Filters, Light, Color, and Lasers, Frames of References, Angular Momentum, Relativity and Space-time Continuum and much more. Critical thinking, problem solving and extended response are sought in all academic endeavors pursued. Scientists and Engineers are sometimes invited to visit the class and engage with students.

AERONAUTIC SCIENCE I 2001025AN1
Grade: 6-8 Semester
The purpose of this course is to learn the fundamentals of aeronautics history from ancient flying myths of the past to the dawn of powered flight with the Wright Brothers all the way to the invention of the jet plane. These lessons are coupled with flight simulator missions where students start with basic flight skills and progress to flying intermediate skill missions. Students also get to view class aviation clips from historic movies and documentaries. The second half of this course focuses on learning aviation fundamentals from aviation geography to weather to basic aircraft structures and systems. Student will have access to our state of the art Flight Simulator.

AERONAUTIC SCIENCE II 2001025AN2
Prerequisite: Pre-Aero Science I
Grade: 7-8 Semester
Students build on their aeronautics history and fundamentals of flight knowledge learned in Aero 1. Aero 2 starts with the invention of the jet plane and progresses all the way up to the present day during the first six weeks. These lessons are coupled with flight simulator missions. Students also get to view class aviation clips from historic movies and documentaries. The second six weeks focuses on learning basic aerodynamics and the forces of flight. Students learn to plan basic flight missions and then try to successfully complete their planned missions in the flight lab. The final six weeks focuses on different types of aircrafts ranging from small private planes to military jets and large commercial jet airliners. Student will have access to our state of the art Flight Simulator.

AERONAUTIC SCIENCE III 2001025AN3
Prerequisite: Pre-Aero Science I and II
Grade: 8 Semester
Students build on their aeronautics history and fundamentals of flight knowledge learned in Aero 1 & 2. Aero 3 starts with a six week block of instruction on the space program and the heroes of the Apollo moon missions. These lessons are coupled with flight simulator missions. Students also get to view class aviation clips from historic movies and documentaries. The second six weeks focuses on learning more advanced aerodynamics and the complex forces of flight. Students learn to plan intermediate to advanced flight missions and then try to successfully complete their planned missions in the flight lab. The final six weeks focuses on flight navigation skills, aviation weather and aeromedical considerations Student will have access to our state of the art Flight Simulator.

ENVIRONMENTAL SCIENCE I 2002200ES1
Grade: 6-8 Semester
Does urbanization threaten our quality of life or offer a pathway to better living conditions? Engaging students through global environmental issues, this hands-on lab course inspires students to be active citizens. The environmental discovery lab is designed to help students understand global solutions for our ecosystem, human impact on our environment, human population issues, and agriculture science. This course builds the foundation for further exploration of reusable energy sources in Environmental Science I. Our Environmental Science students are partnering with the UCF Living Shorelines Project with our own SMS Living Lab Mangrove Nursery. Students follow the life cycle and important environmental impact of these CO2 consumers. Families are encouraged to join the project with UCF and our other Seminole County Environmental partnerships to make a difference that counts in our own community.

ENVIRONMENTAL SCIENCE II 2002200ES2
Prerequisite: Environmental Science I
Grade: 7-8 Semester
As a continuation of Environmental Science I, this lab course takes a hands-on expedition to explore water resources, biodiversity, energy challenges, atmospheric pollution, and Earth's changing climate. Learn about new technologies that can produce ample supplies of energy without some of the environmental costs linked to current energy resources. See how scientists' measure biodiversity, how it benefits our species, and what trends might cause Earth's next mass extinction.

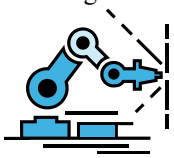
BIOTECHNOLOGY I 2002200BT1
Grade: 6-8 Semester
This course is designed to introduce the middle school student to an historical overview of biotechnology from prehistoric times to the present—from discovering how to make cheese from milk to CSI type investigations. This first course will highlight forensics and the part that biotechnology plays in isolating DNA to help solve crime. Students learn to use gel electrophoresis equipment and identify and use other biotechnology related equipment and materials.

BIOTECHNOLOGY II 2002200BT2
Prerequisite: Biotechnology I
Grade: 7-8 Semester
This second course is a continuation of Biotechnology I and enhances the techniques of using biotechnology in forensic investigations by learning about and using PCR technology (making copies of small amounts of DNA) to help solve crime. In addition, the students will expand their understanding of how the techniques of gene splicing and recombinant DNA technology can be used to combine the genetic elements of two or more living cells to improve quality of life through growing better crops, developing better medicines and improving the environment.

PRE - ELECTRICAL ENGINEERING 2003030ES
Grade: 7-8 Semester
The student will be able to identify basic electrical components and associated symbols. The student will be able to define and create basic electrical circuits. The student will understand Ohm's Law, Kirchoff's Voltage Law and Kirchoff's Current Law and verify their validity in actual circuits. The student will be able to apply this basic electrical knowledge to the design of a basic electrical engineering product and using a microcontroller, servo motors, tactile switches, visible light sensors, and infrared light sensors; assembling a robot; and controlling a robot's actions through software programming.

INTERIOR DESIGN 2003030ID
Grade: 6-8 Semester
Students will gain knowledge and skills related to interior design from floor plans to home decorating through individual activities by applying creative thinking to real life hands-on projects. This course introduces the student to the world of design; including elements and principals of design, scaled drawing, design process, space planning rooms and furnishings.

ROBOTICS I 2003030RL1
Grade: 7-8 Semester
This course provides entry level knowledge and applications to the beginning robotics student. Hands on projects, group activities, and the use of technology are an integral part of this course. The areas of emphasis include understanding and using a microcontroller, servo motors, and various types of sensors; designing and building a robot; and controlling a robot's actions through software programming.



ROBOTICS II 2003030RL2
Prerequisite: Robotics I
Grade: 7-8 Semester
This course continues the development of the knowledge and applications base begun in Robotics I. Hands on projects, group activities, and the use of technology are an integral part of this course. The areas of emphasis include an introduction to digital logic, Boolean Algebra, and basic electrical components; understanding.

METEOROLOGY 2002200ME
Grade: 6-8 Semester
This is an introductory course in meteorology. Areas to be covered may include nature and causes of wind, clouds and precipitation; storm systems and fronts; thunderstorms, tornados and hurricanes, weather maps and forecasting.

DIGITAL PHOTOGRAPHY 0102040
Grade: 6-8 Semester
This course is designed to provide students with hands-on experience with state-of-the-art photography. Course design includes instruction in camera use and photographic techniques. Students will use their photography skills for a variety of projects including photographic portfolios and digital gallery shows.

PRE - MECHANICAL/CIVIL ENGINEERING 2003030MC
Grade: 6-8 Semester
The student will be able to construct simple and complex model machines from levers, wheels and axles, gears, and pulleys. The student will understand how work is changed when a simple machine is used to perform work. The student will understand how compression and tension interact in bridges and other structures and that triangles are structurally much stronger than other shapes. The student will be able to identify basic bridge types. The student will be able to design a load bearing model bridge and a sound free standing structure.

ARCHITECTURAL SCIENCE I 2003030AS1
Grade: 6-8 Semester
This course begins the development of the knowledge base, communication skills, interpersonal skills, and technological skills necessary in the architectural profession. The student will gain an awareness and understanding of basic design, organization, theory, materials, and methods of architecture. Hands on projects, group activities, and the use of technology are an integral part of this course. The areas of emphasis include drawing, the design process, drawing interpretation, architecture of the future, non-man made architecture, and career choices.

ARCHITECTURAL SCIENCE II 2003030AS2
Prerequisite: Architectural Science I
Grade: 7-8 Semester
This course continues the development of architectural skills taught in Architectural Science I, of the knowledge base, communication skills, interpersonal skills, and technological skills, necessary in the architectural profession. This course will focus on theory, the design process, structural systems, architectural history, and design projects. Hands on projects, group activities, and the use of technology are an integral part of this course. The areas of emphasis include drawing, the design process (including CAD), drawing interpretation, and a survey of Ancient to Renaissance Architecture.

PRE-VETERINARY I 2000025PV1
Grade: 6-8 Semester
This course focuses on animal biology and is designed to provide students with a deeper understanding of the animal kingdom. Students will study the classification, anatomy, and adaptations of major animal groups. Students will also be introduced to the field of animal behavior where they will examine both inherited and learned behaviors of animals. Technology, lab activities, and dissections will be an important part of the course.

PRE-VETERINARY II 2000025PV2
Prerequisite: Pre-Veterinary I
Grade: 7-8 Semester
This course is designed to introduce students to the anatomy and physiology of domestic animals including dogs, cats, cows, and horses. Students will also examine parasites and diseases common to domestic animals. Veterinary medical terminology will be taught and emphasized through class and laboratory activities including a bone marrow, rat, sheep heart, and sheep eye dissection. Students will also learn about common veterinary procedures through hands-on activities and technology based projects. .

PRE-VETERINARY III
Grade: 8
Prerequisite: Pre-Vet 1 and 2
Co-Requisite: Students must be enrolled in Biology I.
Pre-Vet 3 is a Zoo Magnet program that will be offered as an elective for 8th grade students. Sanford Middle School will be collaborating with the Central Florida Zoo to provide students with an interactive curriculum that explores various branches of zoology, conservation, and veterinary medicine. Students will spend one day a week at the zoo engaging in hands-on experiences relevant to the curriculum. This is a unique opportunity only offered to Sanford Middle School students.

PRE- MED I 2000025PM1
Grade: 6-8 Semester
This course introduces students to the field of medicine. The purpose of this course is to assist students in making informed decisions regarding their future academic and occupational goals and to provide information regarding careers in the Health Science career cluster. The content includes but is not limited to a broad overview of the Health Science career cluster, including terminology, careers, history, required skills, and technologies associated with each pathway in the Health Science career cluster.

PRE-MED II 2000025PM2
Prerequisite: Pre-Med I
Grade: 7-8 Semester
The student will study and discuss the human body and its various organ systems. There will be a concentration on proper nutrition and exercise. The content includes but is not limited to basic information about the kinds of jobs and workers involved the various career paths, financial rewards, occupational hazards, and educational requirements. Information concerning the practices for promoting good health is included.

PRE-MED III 2000025PM3
Prerequisite: Pre-Med I and II
Grade: 8 Semester
This advanced level will include a teacher directed independent study of medicine. The course includes an introduction to medical ethics, consumerism, and characteristics of health care workers. The purpose of this course is to give students initial exposure to the skills associated with a broad range of occupations relating to careers in health, including job requirements and tasks performed. Students will be learning practical skills such as taking vital signs and learn first aid and CPR.

ADVANCED MATH PREP 1700100AM
Prerequisite:
Grade: 6-8 Semester
This course is designed to be a further exploration, apart from the student's core math class, into different areas of mathematics and its real life applications. This elective course is for students who enjoy mathematics and have a desire to participate in challenging activities that will grow their understanding of math in the world around us.

MARINE BIOLOGY I 2000025MR1
Grade: 6-8 Semester
This course will examine the physical aspects of the oceans and fresh water systems. Students will study the physical and chemical properties of seawater, geological processes that form the ocean basins, sea floor, and shoreline features. Introduction to the major groups of marine organisms and their interactions with fresh and salt water will be stressed.

MARINE BIOLLGY II 2000025MR2
Prerequisite: Marine I
Grade: 7-8 Semester
As a continuation of Marine Biology I, This course will continue to examine the physical aspects of the oceans and fresh water systems. Students will study the physical and chemical properties of seawater, geological processes that form the ocean basins, sea floor, and shoreline features. Introduction to the major groups of marine organisms and their interactions with fresh and salt water will be stressed.

WEB PAGE DESIGN I 9009500A
Grade: 6-8 Semester
This semester-long course is designed to provide an overview of the Internet, Intranet and the WWW. Students will be instructed on the concepts of XHTML, from creating and organizing Web documents, creating links and forms to more advanced topics, including Cascading Style Sheets, and basic programming with Java Script.

WEB PAGE DESIGN II 9009500B
Prerequisite: Web Design I
Grade: 7-8 Semester
This semester-long course is designed to provide instruction on web development software for creating, publishing and managing websites. Students will learn the skills necessary to design and develop an effective website. The content includes digital imaging, multimedia applications, Internet/Intranet tools and website promotion.

INTRODUCTION to INFORMATION TECHNOLOGY (IIT) 8207310
Prerequisite: Computer Applications I and Computer Applications II.
Grade: 8 Year
This year-long course is designed to develop proficiency with computers in the exploration and use of the advanced features of Microsoft Office software. Students will work on completing the MOS (Microsoft Office Specialist) certification in Word, Excel and PowerPoint. After completion of this course, students will earn one high school credit.

COMPUTER MANAGEMENT A+ 1700000CA
Grade: 7-8 Semester
The purpose of this course is to acquaint the students with concepts of Computer Management and repair. Students will familiarize themselves with hardware design and software application on working with the major components of the computer hardware and the terminology associated with them. As students work with the individual components to understand the purpose of each, they also learn how to replace the parts and troubleshoot systems and software.

DIGITAL ART & DESIGN I 0103000
Grade: 7-8 Semester
Students explore the fundamental concepts, terminology, techniques and applications of digital imaging to create original work. Students produce digital stills and/or animated images through the single or combined use of computers, digital cameras, digital video cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

PROGRAMMING/COMPUTER GAME DESIGN 9009100A
Grade:7-8 Year
This year long elective is a two-part course. The first semester introduces students to the fundamentals of computer programming for general applications. Students will study a widely used programming language and become familiar with the basics of procedural, functional, and object oriented programming. In the second semester, students will focus specifically on gaming theory, design, structure, and development of computer games, specifically for PC or mobile platforms. This course requires no perquisites classes, although basic background knowledge of computers and video-gaming are expected.

ENTREPRENEUR CLASS 1700000CA
Grade:6-8 Semester
This class will provide an overview of becoming a business owner. Students will cover the basic fundamentals of business including, finance, marketing, advertising, capital investments, accounting, taxes, communication (public, employees, investors), and teamwork. Students will use the skills learned in class to help promote, run, and maintain a plant nursery on campus. Students will grow a variety of plants and vegetables, package them, advertise them, and sell them to faculty and staff members as well as parents. A $10 lab fee is required for this class. The lab fee will cover the cost of garden gloves and aprons.

Comprehensive Reading Program

Literacy is defined as listening, viewing, speaking, thinking, reading, writing, and expressing through multiple symbol systems. Sanford Middle School encourages the mastery of these skills through Language Arts classes. In addition, literacy skills are reinforced in other subject areas through content area reading. Students learn how to comprehend and understand text specific to Science, Social Studies, Mathematics, and elective courses. Furthermore, students are exposed to technical reading through their required technology courses. Seminole County Middle Schools has adopted two research-based reading programs to assist students who scored below proficiency in reading (Level 1 and Level 2) and at lower levels of proficiency in reading (Level 3) on the Florida Standardized State Test. Both programs are designed to meet the individual instructional needs of all students who are enrolled in Reading classes. The instructional strategies used by the reading teachers are based on best practices and will assist students with improving their overall reading skills and performance on the Florida Standardized State Test. Additionally, students are given diagnostic assessments to determine strengths and weaknesses in reading. Based on the areas identified as needing improvement, students are then enrolled in the reading class that will meet their individual needs. Students are not required to take an Intensive Reading class when they achieve high levels of proficiency (Level 4 or 5) as measured by the Reading portion of the Florida Standardized State Test.

Intensive Reading
Reading Placement
Students who are below proficiency (Level 1 and Level 2) as measured by the Florida Standardized State Test are ***required*** *to be in an Intensive Reading class. These students will be given additional assessments to determine the appropriate Intensive Reading class. Additionally, students who score at lower levels of proficiency (Level 3) will be given additional assessments to determine the appropriate Intensive Reading class.*

Reading Placement Procedures:
The following process will be used for assessing students' reading placement:
1. Review of the Florida Standardized State Test reading scores.
2. Fluency assessment to determine decoding ability.
3. Non-fluent readers will be given the Corrective Reading Placement Test to determine appropriate Corrective Reading class.
4. Moderately fluent or fluent students will be placed into the appropriate Reading Edge class.
5. Periodic progress monitoring assessments will be reviewed to determine growth in reading ability.
6. Review of the progress monitoring data may result in a change in the students' reading classes.

The two **Intensive Reading programs** are:
• ***Corrective Reading*** for students who cannot read accurately and fluently.
• ***Reading Edge*** for students who are fluent readers but need extra support in their ability to construct meaning from the text and to build their vocabulary.

Reading Assessments:
• ***Florida Oral Reading Fluency (FORF)*** and *Discovery Education* assessments are used as a way to monitor students' progress throughout the year.

Exiting Procedure
When a student has demonstrated high levels of reading proficiency (Level 4 or 5) as measured by Florida Standardized State Test, the reading class is no longer needed.

Crooms Academy of Information Technology Direct Connect

Sanford Middle School has developed a new Direct Connect Program Link with Crooms Academy of Information Technology. The Direct Connect option is geared for students who have a passion for technology and are potentially looking for career opportunities in a technological field. Only fifty students will be selected for participation in the program. Students who apply and are selected must meet all program requirements to be granted automatic enrollment into Crooms Academy of Information Technology. Students will earn a certification in Microsoft Office upon completion of the program. The option to select this program is located on the 6th grade registration form. Contact Gayle Mitchell at 407-320-6144

Exceptional Student Education

Exceptional Student Education

Programs are available to eligible disabled students from infancy to age 21. These programs are described in the Special Programs and Procedures for Exceptional Student Document which is approved by the Florida Department of Education and the School Board of Seminole County. Refer to the Exceptional Student Education Section of the Pupil Progression Plan for further information.

S. L. D.
Through our Specific Learning Disability (SLD) program, we are able to provide specialized instruction to those students who qualify for this assistance. The main goals of the program are to remediate deficiencies, provide students with alternative ways to learn, help them compensate for their disability so that they are able to fully participate in all regular education classes.

E. B. D.
Through our Emotionally Behavior Disabled (EBD) program we are able to provide specialized instruction to those students who qualify for this assistance. These classes are taught at the students' instructional levels, with the main goal being to assist students to make adjustment and cope with their disability so that, when possible, they may return to regular education classes. The teachers and the school also strive to integrate these students into the school in every possible way.

I.D.
Through our Mildly Intellectually Disabled (ID) program we are able to provide specialized instruction to those students who qualify for this assistance.

A.S.D.
Through our Autism Spectrum Disabled (ASD) program we are able to provide specialized instruction to those students who qualify for this assistance.

Gifted Program
Students must qualify for the Gifted Program through testing with a psychologist. The gifted program in Seminole County is committed to the belief that each identified student is an individual with great potential. This commitment requires that each student has guidance in discovering, developing and realizing his/her potential as an individual and as a member of society. Each student will receive: an educational plan that reflects individual strengths and weaknesses, interests and learning steps; differentiated curriculum and instructional strategies; The acquisition of a realistic self-image; and exposure to experiences which foster a positive attitude toward the creative process and an appreciation of aesthetics. In addition, the following will be incorporated into the program. The development of Thinking skills - critical/creative thinking skills; research and communication-research skills, study skills, test taking skills, public speaking skills; affective - risk taking skills, self-concept improvement, peer relationships and adjustment to middle school life.

Speech/ Language Impaired Program -
Speech Therapy: 6-8
Lang Therapy: 6-8
In the Speech/Language Impaired program, the four areas that are addressed are articulation, language, fluency and voice. Speech and language impairments are defined as disorders of language, articulation, fluency or voice which interfere with communication, pre-academic or academic learning, vocational training, or social judgment.

Extracurricular Activities

Sports Program

Competitive/Interscholastic Sports
Sanford Middle School offers its students an interscholastic/intramural competitive athletic program that includes cross country, track, volleyball, basketball and cheerleading. Students are required to obtain/pass a physical examination and provide proof of insurance before participating. Those students who "make" the teams are to pay a registration fee. The registration fee helps to cover expenses. There are scholarships available for deserving students.

Varsity participants are the most skilled at any grade (6th, 7th, or 8th). Once students become 16 years old, they can no longer participate. **Junior Varsity** participants may only be 6th or 7th grade students and once J.V. students become 15 years old, they can no longer participate. Each team/squad is encouraged to have at least one student manager and one Team Reporter. All student interscholastic sports participants must have a 2.0 GPA or greater on their most recent Report Card [fall sports would be the report card from the previous school year] to try out for a team. If a student on a team/squad falls below a 2.0 GPA on their Progress Report, they are placed on probation and monitored by their coach to ensure that their grades improve. If a student is on a team/squad and falls below a 2.0 GPA on their next Report Card, they are removed from the team. Good Character and proper sportsmanship is expected of all participants. All participants are under the requirements of the District Citizenship Policy.

Volleyball- Girls and Boys Varsity and Junior Varsity. Volleyball tryouts are usually the 2nd or 3rd week of school. We practice 2 days a week with all games on Wednesdays. Girls practice Mondays and Fridays and boys Tuesdays and Thursdays. We have 5 regular season game and county tournament.

Basketball- Girls and Boys Varsity and Junior Varsity. Basketball begins the last week of March and ends the first week of May. Tryouts are usually held before Spring Break. As with volleyball, girl's practice two days a week and boys practice two days a week unless the coach opts to practice mornings then it may vary. We have 5 regular season game and county tournament.

Cross Country - Girls and Boys Varsity and Junior Varsity. Registration begins the last week of October. Our season runs from October to December. We practice two days a week, Mondays and Fridays with meets on Wednesdays. We have 4 tri-meets then our county meet.

Track and Field- Girls and Boys Varsity and Junior Varsity. Registrations begin December 1st and run until December 18th. Our season begins January 1st and runs until the first week in March. We practice Monday, Tuesday, Thursday, and Friday each week. We practice girls on two days and boys on two day. All meets are on Wednesdays. We have 4 tri-meets then our county meet.

Cheerleading- Varsity and Junior Varsity. Practices are usually three times a week with a performance at a basketball game (usually) at least once a week. Try-outs are necessary for all levels and these tryouts take place in both the spring and the fall. Usually, the Varsity and some Junior Varsity cheerleaders attend a summer camp at U.C.F. While the Cheerleader's regular season corresponds with the volleyball season, they may cheer during the volleyball season, and there may be other cheering opportunities at parades and school functions. Cheerleaders are expected to perform at all Pep Rallies.

Spirit Cheerleading Squad- This Team develops cheerleading skills for students who may be interested in trying out for the school team in the future, students who do not make the school varsity or J.V. cheerleading teams, or students who are just interested in showing school spirit. All students who want to participate may at no cost. Practices are usually once or twice a week with performances at some volleyball games and pep rallies. The group also performs at various parades and pep-rallies in the fall and winter.

Clubs & Organizations

Beta Club
This is a service club for honor roll students in the seventh and eighth grades. Students are invited to be a member of the Club based on the National qualifications for membership which are: (1) must be in the 7th or 8th grade (2) must have a 3.6 GPA or better for last year and the current school year, and (3) must have satisfactory citizenship. Once a member, students are required to maintain their grades of at least four A's and two B's each nine weeks. Beta Club meets after school once a month to participate in service type projects.

AMC - 8 Competition
While this is not a club, it is a competition in which we participate.

Mu Alpha Theta Team
Students who take Algebra I or Geometry are eligible to compete in the Mu Alpha Theta competitions. We attend up to six Saturday competitions from January through March, and have weekly after school practices. Parental consent and transportation is required.

Chess Club
This club meets every week. All grade levels may attend, and all students are welcome whether they are beginners or experts.

Debate Club
This club is for students interested in learning the skills and techniques used in debate. Students will practice their skills with debates within the club while we seek other middle schools.

STEM Club
This club is a fast paced, hands-on, interactive, group of lab activities that hopefully inspire SMS students in the career fields of Science, Technology, Engineering and Math (STEM). Via a U.S. Navy Funded Educational Outreach Initiative and on-going Cooperative Agreement, SMS STEM Club students explore topics like Hovercrafts, Buoyancy, Gyroscopes, Holographs, Robotics and Underwater Submarines. The club is technically assisted by a NAWCTSD (Navy) Systems Engineer volunteer.

Future Educators of America
Future Educators of America is a school-based club for students interested in becoming an educator. Students will do fun activities and learn about the field of education. Students in this club may wish to apply to be in the Future Educators Elective.

Math Club
Math Club is for 6th, 7th and 8th grade students who are in advanced math. They meet once a week. Students regularly take tests and keep a running tally of their scores. The top scoring students get to represent SMS in the MATH COUNTS competition in February. Parental consent and parental transportation is required.

S.E.C.M.E.
The SMS SECME Club is part of a national organization formed to motivate students to pursue careers in science, mathematics, engineering and technology. Our goals are to provide career exploration opportunities, facilitate academic and developmental transitions from elementary school to higher education, to increase student motivation and self-esteem, and most of all to have fun! Students participate in a variety of hands on activities including bridge building, egg drop competition, and engineering a mousetrap car. All students are invited to participate in the UCF Regional SECME Competition in February.

Odyssey of the Mind Team
An extracurricular, creative, problem-solving activity open to all students at SMS that develops team work, leadership, and presentation skills. Each year, SMS teams compete to solve five long-term problems and one spontaneous challenge at regional and state competitions. Here students present an eight minute skit showing their student-designed long-term solution and demonstrate spontaneous problem-solving skills.

Robotics Club
This club is open to all who are interested in building robots. Activities include the use of Legos and building robots. Plans are being considered to host a competition with robots built by members.

Science Club
The SMS Science Club is a very active group that has fun doing a variety of science activities to include working with our outside environmental study area, utilizing sophisticated scientific technology (probes, graphic calculators, palm pilots, etc.) to study and understand our world.

Student Council
Student Council is an active group of students who take part in the planning and implementation of projects, events, and community activities. They help to promote school spirit and provide positive experiences for the student body. All grades are represented in the organization. Officers are elected each spring to serve for the next school year. Adult sponsors provide guidance. Several projects require students to come early or stay late. It is for this reason that parent permission is required to become a student council representative.

Drill Team
Drill Team is a club based on the Air Force Junior ROTC program. Exhibition drill (both armed and unarmed) is an extension of the Drill and Ceremonies learned in class. Any student who has had AFJROTC is welcome to participate. We perform at events, march in parades, and compete against other middle schools each spring. Students may practice spinning rifles and learn increasingly difficult movements in the morning before class.

Registration

To complete the registration form, students need to know several things:

1. We have 7 academic periods.

2. Four of those periods are the core courses of math, science, language arts, and social studies.

3. Students choose standard or advanced level core courses.

4. **Becoming a Pre-IB Prep. Student:**

   - **Out of Zone students** chose to be a Pre-IB Prep. student during the random selection application process. If you did not choose to be Pre-IB during that time you can choose to be a Pre-IB student during the registration process by checking the Pre-IB box on the registration form and selecting the Pre-IB courses.
   - **In Zone students** can choose to be a Pre-IB student during the registration process by checking the Pre-IB box on the registration form and selecting the Pre-IB courses.
   - **All Pre-IB Prep. students** must check the Pre-IB box on the registration form.
   - **All Pre-IB Prep. students** must take all advanced level/Pre-IB core courses.

5. All Pre-IB students **MUST** select a Math class on their registration form.

6. Non Pre-IB students may take as many advanced level core courses as they want or all standard level core courses.

7. All 6th & 7th graders also take 1 semester of PE (Physical Fitness) and 1 semester of Computer Applications I (6th) or Computer Applications II (7th).

8. The core courses, plus PE and computer class, equal 5 of the 7 academic periods.

9. That leaves the equivalent of 4 semester (.5) electives for 6th & 7th graders to choose from the list of electives on the registration sheet.

10. Pre-IB students are required to take Spanish as an elective. The 6th and 7th grade students will take a semester Spanish elective. Eighth grade Pre-IB students will take Pre-IB Spanish I for high school credit. This will leave 6th and 7th grade students with three 1 semester elective courses to choose and 8th grade students with three 1 semester elective courses to choose.

11. When completing the elective portion of the registration form please follow the directions carefully. Please note the important directions about choosing electives and rank ordering them (1 being your top choice). Every effort is made to give students their top choices but there is no guarantee for electives. Space is limited for all electives and scheduling conflicts at times make it impossible to be placed into a class.

In summary, students indicate the level of core courses the student wants, and then the student chooses their electives.

Sanford Middle School has adopted two school logos that represent both our academic and athletic focus.

Sanford Middle School's Academic Logo

Sanford Middle School's Athletic Logo

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