



Curriculum Guide 2019-2020

**ENGINEERING YOUR
FUTURE**

Milwee Middle School.mp4

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Letter from the Principal

Dear Milwee Spartan:

Welcome to Milwee Middle School Pre-Engineering Magnet, the place, for “Engineering your Future” by providing an innovative pre-engineering curriculum that challenges ALL students.

Our mission is to capture and inspire students by improving our teaching techniques to ensure that ALL students acquire the knowledge, skills, and attitudes necessary to meet the challenges of a rapidly changing world, and to reach their full potential as lifelong learners and productive citizens.

At Milwee, we expect from ALL our students two things, to LEARN and R.I.S.E. Be Respectful, act with Integrity, behave Safely, and strive for Excellence every day.

The vision of Milwee Middle school is to integrate to innovate our magnet theme by providing ALL our students a way to explore and find their passion leading to a sense of purpose; making connections with real-world experiences and the classroom in collaboration with our teachers, parents, students and community.

As principal, I facilitate teams of people to do the work of the organization focused on our common purpose, maximizing student learning for ALL students, one year’s growth in one year’s time, by providing the resources and guidance for those teams.

The contents of this Curriculum Guide will help you plan your course of study at Milwee. The guide provides an overview of all courses offered including information on clubs and sports programs.

Always remember, Spartans will R.I.S.E. **Be Respectful, act with Integrity, behave Safely, and strive for Excellence every day.**

Students, I wish you all the very best, but I expect from you, the very best. My number one rule is that ALL students attending Milwee Middle Pre-Engineering Magnet has the right to learn, feel safe, and be safe.

We know each of you will strive for personal and academic excellence as you explore and meet new challenges each day. Take advantage of the triple “A” experience of Academics, Athletics, and Arts and have a great year.

We are the Spartans.....Engineering your Future!

James C. Kubis
Principal

Student Progression Plan

- 1. Middle School Instructional Program** - The Florida State Standards serve as the foundation of the middle school curriculum for Seminole County Public Schools. Student master of subject area content is monitored through teacher observation, assignment completion, and assessments.
- 2. Florida State Assessment Program** - Middle school students are required to participate in the state's accountability testing program.
- 3. Core Academic Program Requirements** - Middle school students are required to receive 3 years of instruction in language arts, math, science, and social studies.
- 4. Section 1003.455, Florida Statutes** - Requires the equivalent of one class period per day of physical education for one semester of each year for students in grades six through eight. The physical education requirement shall be waived for a student in grades kindergarten through grade eight who meets one of the following criteria:
 - The student is enrolled or required to enroll in a remedial course.
 - The student's parent indicates in writing each school year to the school that:
 1. The parent requests that the student enroll in another course from among those offered as options by the school district, OR
 2. The student is participating in physical activities outside the school day which are equal to or in excess of the mandated requirement.
- 5. 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.
- 6. 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. Students are invited to enroll and are required to commit, in writing, to doing the extra studying and work required to be successful in these classes. Advanced classes are offered in math (6th, 7th, and 8th), language arts (6th, 7th and 8th), science (8th), and social studies (8th). Students who commit to taking an advanced level course must remain enrolled in that course for at least the first nine-week grading period.
- 7. High School Credit Courses** – Middle school students enrolled in a high school credit course may not drop the course or transfer into a lower level course after the completion of the first nine week grading period.
- 8. 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.
- 9. Intensive Instructional Support** - Students who are not performing at grade level will be enrolled in intensive reading and/or math classes. Principals may substitute an intensive class for any course on a student's schedule. However, exploratory, enrichment, and elective classes will be given first consideration for schedule changes for academic support classes.

Curriculum Overview

Grade	Language Arts	Math	Science	Social Studies	Required Elective	Elective Strand	Elective Strand
6th	Language Arts Or Language Arts Advanced	Math 1 Or Math 1 Advanced Or GEMS	Comprehensive Science 1	World History	Physical Education	Elective Class	Elective Class
					iJourney	Elective Class	Elective Class
Pre-IB Prep Program	Advanced Language Arts	Math 1 Advanced Or GEMS	Comprehensive Science 1 Advanced	World History Advanced	Physical Education	Elective Class	Elective Class
					iJourney	Elective Class	Elective Class
7th	Language Arts Or Language Arts Advanced	Math 2 Or Math 2 Advanced Or Algebra 1* Or Algebra 1 Honors*	Comprehensive Science 2	Civics	Physical Education	Elective Class	Elective Class
					iSeries	Elective Class	Elective Class
Pre-IB Prep Program	Language Arts Advanced	Math 2 Advanced Or Algebra 1 Honors*	Comprehensive Science 2 Advanced	Civics Advanced	Physical Education	Elective Class	Elective Class
					iSeries	Elective Class	Elective Class
8th	Language Arts Or Language Arts Advanced	Pre- Algebra Or Algebra 1* Or Algebra 1 Honors* Or Geometry Honors*	Comprehensive Science 3 Or Comprehensive Science 3 Advanced	American History Or American History Advanced	Physical Education	Elective Class	Elective Class
					iSeries -if not taken in 7th grade	Elective Class	Elective Class
Pre-IB Prep Program	Language Arts Advanced	Algebra 1 Honors* Or Geometry Honors*	Environmental Science Honors	American History Advanced	Spanish 1* IB	Physical Education	Elective Class
						iSeries -if not taken in 7th grade	Elective Class

Advanced Course Profile

Determining that you are ready to accept the challenge of advanced coursework is an important decision. If you are interested in taking an advanced course, you should ask yourself if you fit the profile of students who typically do well in advanced courses.

An advanced student is someone who typically...

- Makes schoolwork a priority.
- Is able to set aside time each night for schoolwork, including projects.
- Is well-organized and able to handle several tasks at once.
- Will review and study for tests.
- Has done well in advanced classes before.
- Has a support system that is encouraging of academics.
- Does not feel challenged in standard classes.
- Performance on Florida State Assessment

If this sounds like you, please consider taking advanced courses.

Grade 6 - Mathematics-Advanced
Grade 6 – GEMS Math
Grade 7 - Mathematics-Advanced
Grade 7 - Algebra I *
Grade 7 - Algebra I Honors*
Grade 8 - Algebra I- *
Grade 8 - Algebra I-Honors*
Grade 8 - Geometry Honors*

Grade 6 - Language Arts-Advanced
Grade 7 - Language Arts-Advanced
Grade 8 - Language Arts-Advanced
Grade 7- Science Advanced
Grade 8 - Science Advanced
Grade 8- Environmental Science Honors
Grade 8- Advanced US History
SCPS Pre-IB Prep Spanish I*

*Student will earn high school credit with successful completion of these courses.

If you make the commitment to take an advanced course, you must remain in that class for at least the first nine weeks.

****Middle school students enrolled in a high school credit course may not drop the course or transfer to a lower level course after the completion of the first nine weeks grading period****

ADVANCED COURSES ARE OPEN FOR ENROLLMENT TO ANY STUDENT WHO DESIRE TO “SELF-SELECT” A MORE RIGOROUS AND CHALLENGING CURRICULUM.

FOR MATH, STUDENTS AT FSA LEVEL 3, 4 OR 5 WILL BE SCHEDULED IN ADVANCED MATH.

Admissions and Transfers

Admissions

1. Any child who has been promoted or assigned to grades 6, 7, or 8 will be admitted to middle school.
2. **Upon initial enrollment or transfer** from one attendance zone to another in Seminole County Public Schools, proof of residence must be presented. All addresses are subject to verification by the School Board. The following documents shall be required:
 - a. **owned residence:** a copy of the recorded deed or agreement for the deed and a certified copy of declaration of homestead exemption. If these documents are unavailable, schools may accept **TWO** of the following documents: utility bill, auto registration, driver's license, or voter registration as proof that the parent(s) own and live at the residence.
 - b. **rented or leased residence:** a copy of the lease, rental agreement, or a letter from the landlord.
 - c. **divorced parents:** a certified copy of the final judgment of divorce, court custody order, a court guardianship order, or other such documents establishing the right of custody.
 - d. **separated parents:** a notarized statement that the child actually lives in the home of the parent designated in the child's school records as the residential parent.
 - e. **students NOT residing with parents:** submit form 893 and a letter stating why student is living with the residential adult.

First Entry to the State of Florida Schools:

Before admitting a student to Florida schools for the first time, the school must have received several documents required by *Florida Statutes* as outlined below:

- a. a certificate showing a school-entry health examination performed within one year prior to enrollment.
- b. a valid HRS 680 Florida Certificate of Immunization (kindergarten through grade 12).

Entry to Seminole County Public Schools from Schools within the State:

Before admission to Seminole County Public Schools from other Florida counties, a student must have a Florida Certificate of Immunization on file.

Transfers

1. Any student who transfers from an in-state public or non-public school or out-of-state public or non-public school shall be admitted upon presentation of the following data:
 - a. an official letter or transcript from a proper school authority which shows a record of attendance, academic information, and grade placement of the student;
 - b. proof of immunization;
 - c. proof of date of birth;
 - d. proof of a medical examination completed within the last twelve months.
2. When a student transfers into a Seminole County public school from a public or non-public school or from a home education program, it will be the responsibility of the principal to determine grade level placement.

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 directly involving the student
- Extraordinary circumstances or situations, pre-arranged 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 coursework, 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 defined as: At a minimum, the student shall have no less than the number of days he/she was absent to complete and submit make-up 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 coursework 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.

Guidance

Seminole County Middle School programs have been designed to meet the requirements of Title IX, which states, “No person in the United States shall, on the basis of sex, be denied the benefits of, or be subject to discrimination under any educational program or activity receiving federal assistance.” Contact your student’s counselor with any scheduling questions.

Schedule Change Policy

Milwee Middle School utilizes the Seminole County Public School automated scheduler to establish student schedules. The automated scheduler is programmed to ensure 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, lunch periods, or friends. Schedule-related problems should be discussed with the assigned guidance counselor.

Grading Policy

Upon completion of each nine-week grading period, a Report Card will be issued. Following is the grading system for Seminole County Public Schools, grades 6 – 8. The following is used to determine final grades only:

LETTER GRADE RANGE POINTS

A 90 – 100 (4)
B 80 – 89 (3)
C 70 – 79 (2)
D 60 – 69 (1)
F 59 and below (0)
W Withdrawal
I Incomplete

Any middle school student enrolled in an honors high school credit course will earn a weighted middle school GPA for that course that will also be weighted on the high school transcript.
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Special Services

E.S.O.L

The purpose of the ESOL program is to provide English instruction for students whose native language is not English. If a parent indicates on the student entry form that a language other than English is used most often in the home, the student will be given an English Proficiency Test (EPT) in order to determine the eligibility for the program. Once entered in the program, students are placed on one of three levels. A student may remain in the program for as long as needed. Dismissal from the program is based on achieving a passing score on a required exit exam.

EXCEPTIONAL STUDENT SUPPORT SERVICES

Exceptional student support services are available for the exceptional student in order to fully meet his/her needs. All exceptional student support services require staffing eligibility as determined by a student study team. Additional information on specific services or placement is available from the guidance office upon request. The following services are available at Milwee Middle School:

Gifted
Emotionally Behaviorally Disabled (EBD)
Speech and Language Therapy

Autism Spectrum Disorder (ASD)
Mildly Intellectually Disabled
Specific Learning Disabilities (SLD)

INTENSIVE READING

Students who score at Level 1 or Level 2 on the FSA Reading in the previous grade shall be enrolled in and complete a full year intensive reading course. These courses have been developed by the Florida Center for Reading Research, use scientifically based interventions, and reflect differing levels of intensity (instructional time and class size) based on the student’s reading level.

INTENSIVE MATH

This class is a support class to your child’s regular math class. Through the use of Connected Mathematics Program 2 (CMP2), students will improve their skills in mathematics. Students who score at Level 1 or a Level 2 on the FSA Mathematics in the previous grade shall be enrolled in and complete a full-year intensive math course. Students who score at Level 3 but have a high probability of regressing to Levels 1 or 2 may be placed in a math program for additional support.



Seminole County Schools recognizes today's students learn in different ways, at different rates, and on different schedules. Our schools now offer the flexibility to accommodate today's students and families through a variety of educational pathways.

Through ePathways, students may select from a variety of course options that can be taken in a modern classroom setting or in a virtual environment. Students may choose to take advantage of the variety of courses that are offered through Seminole County Virtual School. For each course taken, students will be assigned to a computer lab for a period as part of the regular school day. It is recommended that a student start by taking only one virtual course at a time, but can take up to three courses at a time while remaining a Milwee student.

SCVS VIRTUAL SUGGESTED OFFERINGS BY GRADE LEVEL AT Milwee

6TH GRADE

M/J Business Keyboarding
M/J Creative Photography
M/J Physical Education
M/J Peer Counseling
M/J Beginning Spanish

7TH GRADE

M/J Business Keyboarding
M/J Creative Photography
M/J Critical Thinking
M/J Peer Counseling
M/J Physical Education
M/J Beginning Spanish
M/J Intermediate Spanish

8TH GRADE

M/J Business Keyboarding
M/J Creative Photography
M/J Critical Thinking
M/J Peer Counseling
M/J Physical Education
M/J Beginning Spanish
M/J Intermediate Spanish

HIGH SCHOOL CREDIT

Personal Fitness (1/2 high school credit)
Fitness Lifestyle Design (1/2 high school credit)
Peer Counseling (1/2 high school credit)
Social Media (1/2 high school credit)
Creative Photography I (HS credit)
Critical Thinking and Study Skills (1/2 high school credit)
French I (HS Credit)
Spanish I (HS Credit)

MATH

M/J Mathematics I 1205010

Grade 6 Year

Prerequisite: None

Students will:

- Develop an understanding of and fluency with multiplication and division of fractions and decimals, ratios, rates, estimation, equivalent forms for decimals, fractions and percentages.
- Write, solve and graph one and two step equations and inequalities as well as use tables, graphs and equations to describe linear equations.
- Explore the measurements of composite two dimensional figures and volumes of rectangular prisms.
- Determine and use measures of central tendency and variability to analyze data sets.

M/J Mathematics I, Advanced

1205020 Grade 6 Year

Prerequisite: None

All topics in M/J Mathematics I are included in M/J Mathematics I, Advanced.

In addition, students will:

- Develop an understanding of and apply proportionality to solve problems involving percentages.
- Apply formulas to determine surface areas and volumes of three dimensional shapes including pyramids, prisms, cylinders and cones.
- Develop an understanding of operations involving integers and other rational numbers, as well as solving linear equations.
- Identify and plot ordered pairs in all four quadrants of the coordinate plane.

GEMS 1205020G Grade 6 Year

Prerequisite: 5th grade PRIMES is recommended

- 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.
- This course includes 4-6 chapters that students will learn independently on-line through a virtual component.
- Home internet access is needed.

M/J Mathematics 2 1205040

Grade 7 Year

Prerequisite: None

Students will:

- Develop an understanding of and apply proportionality, similarity, and formulas to determine surface areas and volumes of three dimensional shapes including pyramids, prisms, cylinders and cones.
- Develop an understanding of operations involving integers and other rational numbers, as well as solving linear equations.
- Identify and plot ordered pairs in all four quadrants of the coordinate plane and predict the results of transformations.
- Convert between customary and metric systems.
- Construct and analyze histograms, stem and-leaf plots and circle graphs.
- Determine, compare and make predictions based on experimental and theoretical probability of independent and dependent events.

M/J Mathematics 2, Advanced

1205050 Grade 7 Year

Prerequisite: 6th Grade Advanced (recommended)

Students will:

- Develop an understanding of and apply proportionality, similarity, and formulas to determine surface areas and volumes of three dimensional shapes including pyramids, prisms, cylinders and cones.
- Identify and plot ordered pairs in all four quadrants of the coordinate plane and will predict the results of transformations.
- Determine, compare and make predictions based on experimental and theoretical probability of independent and dependent events.
- Construct and analyze histograms, stem and-leaf plots and circle graphs.
- Analyze and represent linear functions and solve linear equations and systems of equations.
- Analyze two and three dimensional figures by using distance and angle relationships.

MATH (continued)

Pre-Algebra

1205070 Grade 8 Year

Prerequisite: None

Students will:

- Analyze and represent linear functions and solve linear equations and systems of equations.
- Analyze two and three dimensional figures by using distance and angle relationships.
- Analyze and summarize data sets including box and whisker plots, scatter plots and lines of best fit.
- Compare, contrast and convert between customary and metric systems.
- Solve one and two step inequalities with one variable.
- Perform operations on real numbers using multistep and real world problems.

Algebra I

1200310 Year
Grades 7-8 High School Credit: 1

Prerequisite:

Grade 7 – successful completion of GEMS is recommended

Grade 8 – successful completion of 7th grade Math Advanced is recommended

- This course is designed to provide the foundation for future secondary mathematics courses and develop skills needed to solve mathematical problems.
- Topics shall include, but are not limited to, functions, linear equations and inequalities, systems of linear equations and inequalities, polynomials, operations with radical expressions, solving quadratic equations, ratios and proportions.
- **Students enrolled in this course must pass an End of Course Exam (EOC) to receive high school credit.**

Algebra I Honors

1200320 Grades 7-8 Year

High School Credit: 1 Prerequisite:

Grade 7 – successful completion of GEMS is recommended

Grade 8 – successful completion of 7th grade Math Advanced is recommended

- This course includes a rigorous, in-depth study of all of the topics included in Algebra I, as well as absolute value equations and inequalities, operations with rational expressions, solving rational equations and characteristics of quadratic graphs.
- Students enrolled in this course must pass an End of Course Exam (EOC) to receive high school credit.

Geometry Honors

1206320 Year 1
Grade 8 High School Credit: 1

Prerequisite: Algebra I or Algebra I Honors

- This course includes a rigorous, in-depth study of all of the practical applications of geometric skills and concepts in the real world, as well as, but not limited to, truth tables, vectors, Fibonacci sequence, coordinate geometry proofs, proofs involving circles and problems involving cross sections of solids.
- Students enrolled in this course must pass an End of Course Exam (EOC) to receive high school credit.
- Algebra I or its equivalent is required for high school graduation.



**STUDENTS ARE REQUIRED TO SUCCESSFULLY COMPLETE
FOUR (4) MATH COURSES WHILE IN HIGH SCHOOL**

Language Arts

Language Arts I

1001010

Grade 6

Year

1002000 (ESOL)

The sixth grade language arts curriculum integrates the study of grammar usage, mechanics, spelling, vocabulary, public speaking, and literature. Reading skills will be reinforced through fiction, nonfiction, poetry, and drama. Students will enhance writing skills through expressive, narrative, and informative writing. Oral communication skills will be practiced through formal and informal speeches.

Advanced Language Arts I

1001020

Grade 6

Year

The advanced language arts curriculum in sixth grade is designed to be fast-paced for those students who are reading and writing at or above grade level, and who enjoy the many facets of language arts. An integral part of the curriculum is the utilization of a wide range of writing and sequential vocabulary development activities that emphasize reading of fiction and non-fiction.

Language Arts II

1001040

Grade 7

Year

1002010 (ESOL)

The seventh grade language arts curriculum consists of literature, composition, grammar, spelling, and vocabulary. Reading skills will be reinforced through fiction, nonfiction, poetry, and drama with an emphasis on poetry. Students continue to build writing skills through expository and persuasive writing, literary response journals, and practice their oral communication skills through formal and informal speeches.

Advanced Language Arts II

1001050

Grade 7

Year

The advanced language arts curriculum in seventh grade is designed to be fast-paced for those students who are reading and writing at or above grade level. The curriculum consists of literature, composition, grammar, spelling, and vocabulary. Reading skills will be reinforced through fiction, nonfiction, poetry, and drama. A wide range of writing activities that emphasize critical thinking and analysis of a novel are included. Students practice their oral communication skills through formal and informal speeches.

Advanced Language Arts II

1001050

Grade 7

Year

The advanced language arts curriculum in seventh grade is designed to be fast-paced for those students who are reading and writing at or above grade level. The curriculum consists of literature, composition, grammar, spelling, and vocabulary. Reading skills will be reinforced through fiction, nonfiction, poetry, and drama. A wide range of writing activities that emphasize critical thinking and analysis of a novel are included. Students practice their oral communication skills through formal and informal speeches.

Language Arts III

1001070

Grade 8

Year

The eighth grade language arts curriculum consists of reading, composition, speech, media literacy, literature, and vocabulary development. Students will read a variety of genres (short stories, novels, drama, poetry, nonfiction) for content and meaning while practicing reading strategies. Students will enhance their writing skills through persuasive and expository writing, producing a variety of finished products, including poems, summaries, reviews, and essays. Students will be expected to recognize occasion, audience, and purpose when speaking formally and informally.

Advanced Language Arts III

1001080

Grade 8

Year

The advanced language arts curriculum in eighth grade is designed to move at a rigorous pace. Vocabulary is enhanced through analogies and writing usage. Students will read a variety of genres (short stories, novels, drama, poetry, nonfiction) for content and meaning while practicing reading strategies. ♣ Research will be conducted on the background of the poetry and literature to study, analyze, and interpret these works. Students will enhance their writing skills through persuasive and expository writing, producing a variety of finished products, including poems, summaries, reviews, and essays. Essays will be critiqued based on criteria learned throughout the semester.



SCIENCE

6th Grade Comprehensive Science 1 **2002040** **Grade 6** **Year**

Based on the Next Generation Sunshine State Standards for Science, this course will allow students to learn content across six interconnected units that will build throughout middle school. The major concepts covered during 6th grade Comprehensive Science will be: Atoms and Molecules, Classification of Organisms, Ecosystems, Plate Tectonics, The Geosphere and Cryosphere, and Our Solar System. The class will be supported by digital content as well as hands-on, cooperative, and literacy based activities.

7th Grade Comprehensive Science 2 **2002070** **Grade 7** **Year**

Based on the Next Generation Sunshine State Standards for Science, this course will allow students to learn content across six interconnected units that will build from the content covered in 6th grade and will be developed further in 8th grade. The major concepts covered during 7th Grade Comprehensive Science will be: Cell Structure and Function, Homeostasis in Cells, Heredity, Weathering and Erosion, the Hydrosphere and Atmosphere, and Stars and Galaxies. The class will be supported by digital content as well as hands-on, cooperative, and literacy-based activities. Students in Gifted classes will be provided opportunities to dive deeper into the content and to make even more connections across science and other disciplines.



Comprehensive Science 3 **2002100** **Grade 8** **Year**

A comprehensive science course that has been designed to support understanding through big ideas in science. Based on the Next Generation Sunshine State Standards for Science, this course will allow students to learn content across six interconnected units that will build from the content covered in 6th grade and 7th grades. The major concepts covered: Rate of Change, Technology and Travel, All Spheres including Biosphere, Evolution, Organization of Organisms, and Homeostasis in Humans. The class will be supported by digital content as well as hands-on, cooperative, and literacy based activities.

Comprehensive Science 3 Advanced **2002110** **Grade 8** **Year**

A comprehensive science course that has been designed to support understanding through big ideas in science. Based on the Next Generation Sunshine State Standards for Science, this course will allow students to learn content across six interconnected units that will build from the content covered in 6th grade and 7th grades. The major concepts covered: Rate of Change, Technology and Travel, All Spheres including Biosphere, Evolution, Organization of Organisms, and Homeostasis in Humans. The class will be supported by digital content as well as hands-on, cooperative, and literacy based activities. Students in Advanced and Gifted classes will be provided opportunities to dive deeper into the content and to make even more connections across science and with other disciplines.

SOCIAL STUDIES

World History

2109010

Grade 6

Year

The primary focus 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.

Civics

2106010

Grade 7

Year

The seventh grade social studies curriculum consists of the following content area strands: Civics, Geography, and Economics. 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. The course is embedded with strong geographic and economic components to support civic education instruction.

United States History

2100010

Grade 8

Year

This course pertains to the study of American history from the Exploration and Colonization period to the Reconstruction Period following the Civil War. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the US and the resulting impact on world history.

United States History Advanced

2100020

Grade 8

Year

Primary content emphasis for this course pertains to the study of American history from the Exploration and Colonization period to the Reconstruction Period following the Civil War. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and the resulting impact on world history. 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, 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 paper/(e.g., History Fair Project, participatory citizenship project, mock congressional hearing, or other teacher-directed projects).



SCPS PRE-IB PREP

The Seminole County Public School Pre-International Baccalaureate Program (SCPS Pre-IB Prep) provides a rigorous and extensive course of study in math, science, world language, social studies and language arts with an emphasis on independent study, in-depth learning, and accelerated curriculum requirements.

The program is specifically designed for highly motivated students and provides the opportunity to develop knowledge, creativity, and academic skills through participation in advanced studies. The SCPS Pre-IB Prep classes offer more in-depth study and rigor. Students are expected to perform at higher levels, continuously challenging themselves. Student motivation, commitment to hard work, and interest are important factors in a student's success. Therefore, it is possible for a less-prepared student with a support system that encourages academics to do well in these courses. At Milwee Middle School, we encourage any and all students who want to challenge themselves academically to seriously consider entering the SCPS Pre-IB Prep Program.

SCPS PRE-INTERNATIONAL BACCALAUREATE PREPARATORY PROGRAM

STANDARDS POLICY

A. ACADEMIC PERFORMANCE

Students participating in the SCPS Pre-International Baccalaureate Preparatory Program are expected to maintain a 3.0 G.P.A. for each nine-week grading period. If a student earns less than a 3.0 average on a nine-week grade report, a conference will be convened with parents, counselor, and the student's teachers to find ways to implement strategies to assist the student with his/her studies. Every effort will be made to support students in the successful completion of the program.

B. ATTENDANCE

Due to the high correlation between attendance and school success, the accelerated demands of the SCPS Pre-IB Preparatory Program make regular attendance vital.

C. APPROPRIATE BEHAVIOR

SCPS Pre-IB Preparatory students are required to follow middle school policies and rules as stated in the Seminole County Public Schools Student Conduct and Discipline Code.

SCPS PRE-IB PREP
6th grade

SCPS Pre-IB Prep Language Arts Advanced
1001020 **Grade 6** **Year**

The SCPS Pre-IB Prep language arts curriculum is advanced and accelerated. Sequential vocabulary development continues with emphasis on identifying those skills necessary for standardized tests. Poetry will be the focal genre.



Students may be asked to create a portfolio that contains their own poems and their studies of poetry techniques and various poets' artistry, as well as a collection of their own writing. Writing coherent, more detailed paragraphs will continue as the essay is introduced. Students concentrate on grammar, usage and mechanics while writing and editing their own work. Reading for pleasure and information is essential to all areas of the language arts skills development; therefore, extra reading outside class is a requirement for this subject.

SCPS Pre-IB Prep Mathematics Advanced
1205020 **Grade 6** **Year**

Prerequisite: None

All topics in Mathematics I are included in Mathematics I, Advanced. In addition, students will: Develop an understanding of and apply proportionality to solve problems involving percents. Apply formulas to determine surface areas and volumes of three dimensional shapes including pyramids, prisms, cylinders and cones. Develop an understanding of operations involving integers and other rational numbers, as well as solving linear equations. Identify and plot ordered pairs in all four quadrants of the coordinate plane.

GEMS Math

Prerequisite: 5th Grades PRIMES is recommended

Grade 6 **Year**

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 completed using a "virtual bridge" that provides computer-based instruction and assessment

that the teacher will integrate into work completed in the classroom

SCPS Pre-IB Prep Comprehensive Science 1 Adv.
2002050 **Grade 6** **Year**

Based on the Next Generation Sunshine State Standards for Science, this course will allow students to learn content across six interconnected units that will build throughout middle school. The major concepts covered during 6th grade Comprehensive Science will be: Atoms and Molecules, Classification of Organisms, Ecosystems, Plate Tectonics, The Geosphere and Cryosphere, and Our Solar System. The class will be supported by digital content as well as hands-on, cooperative, and literacy based activities. Students in advanced classes will be provided opportunities to dive deeper into the content and to make even more connections across science with other disciplines

SCPS Pre- IB Prep World History Advanced
2109010 **Grade 6** **Year**

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 through 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.

**SCPS PRE-IB PREP
GRADE 7**

**SCPS Pre- IB Prep Language Arts Advanced
1001050 Grade 7 Year**

Seventh grade SCPS Pre-IB Prep Language Arts is a multi-faceted, academically rigorous course of instruction. The curriculum includes activities and instruction to improve reading comprehension, writing skills, communication skills, advanced grammar usage and vocabulary. Students' writing portfolios include samples of creative, expository, narrative, poetry and drama formats. Genres studied are short story, drama, poetry, personal essay, biography and the novel. Novels selected for class study require literary analysis and application of critical thinking skills. Independent and group projects are assigned for each class novel study. Requirements include multimedia presentations, easy formatted exams, extemporaneous speeches, technical research, and independent study. Reading for pleasure and information is essential to all areas of the language arts skills development; therefore, extra reading outside class is a requirement for this subject.

**SCPS Pre-IB Prep Mathematics Advanced
1205050 Grade 7 Year**

Prerequisite: 6th grade advanced math

Students will develop an understanding of and apply proportionality, similarity, and formulas to determine surface areas and volumes of three dimensional shapes including pyramids, prisms, cylinders and cones. Identify and plot ordered pairs in all four quadrants of the coordinate plane and will predict the results of transformations. Determine, compare and make predictions based on experimental and theoretical probability of independent and dependent events. Construct and analyze histograms, stem-and-leaf plots and circle graphs .Analyze and represent linear functions and solve linear equations and systems of equations. Analyze two and three dimensional figures by using distance and angle relationships. Analyze and summarize data sets including box and whisker plots, scatter plots and lines of best fit.

**Algebra I Honors
1200320 Grade 7 Year**

High School Credit: 1

Prerequisite: GEM

This course includes a rigorous, in-depth study of all of the topics included in Algebra I, as well as absolute value equations and inequalities, operations with rational expressions, solving rational equations and characteristics of quadratic graphs.

**SCPS Pre- IB Prep Comprehensive Science 2
Advanced
2002080 Grade 7 Year**

Based on the Next Generation Sunshine State Standards for Science, this course will allow students to learn content across six interconnected units that will build from the content covered in 6th grade and will be developed further in 8th grade. The major concepts covered during 7th Grade Comprehensive Science will be: Cell Structure and Function, Homeostasis in Cells, Heredity, Weathering and Erosion, the Hydrosphere and Atmosphere, and Stars and Galaxies. The class will be supported by digital content as well as hands-on, cooperative, and literacy-based activities.

**SCPS Pre-IB Prep Civics Advanced
2106010 Grade 7 Year**

The seventh grade SCPS Pre-IB Prep geography course is an intense, in-depth study of: Civics, Geography, and Economics. 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. The course is embedded with strong geographic and economic components to support civic education instruction.



**SCPS PRE-IP PREP
GRADE 8**

**SCPS Pre-IB Prep Language Arts Advanced
1001080 Grade 8 Year**

Eighth grade SCPS Pre-IB Prep Language Arts emphasizes critical thinking and theme-based activities which include work in reading, listening, speaking, and writing. Emphasis is placed on interpretation and critical analysis. In literature and viewing, students consider the writer's or speaker's background including possible biases as part of their own growing ability to understand and interpret the written and spoken word. In writing, students move beyond formulaic models as they advance their writing skills. Students participate in formative assessments, both individually and as group members. Students will also complete an extended essay on a topic of their choice.

**SCPS PRE-IB PREP
GRADE 8 (cont.)**

Algebra I Honors

1200320 **Grade 8** **Year**

High School Credit: 1

Prerequisite: 7th grade advanced math

This Pre-IB Prep course includes a rigorous, in-depth study of all of the topics included in Algebra I, as well as absolute value equations and inequalities, operations with rational expressions, solving rational equations and characteristics of quadratic graphs.

Geometry Honors

1206320 **Grade 8** **Year**

Prerequisite: Algebra I **High School Credit: 1**

This Pre-IB Prep course includes a rigorous, in-depth study of all of the practical applications of geometric skills and concepts in the real world, as well as, but not limited to, truth tables, vectors, Fibonacci sequence, coordinate geometry proofs, proofs involving circles and problems involving cross sections of solids

SCPS Pre-IB Prep Environmental Science Honors

2001341 **Grade 8** **Year**

High School Credit: 1

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.

**SCPS Pre-IB Prep American History Advanced
2100020** **Grade 8** **Year**

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 expansion, the development of conflicts, the influence of diverse groups on American culture and the impact of world events on American thinking. Instructional strategies that support the rigor, reading and writing of IB and Advanced Placement course work will be emphasized. These include:

- College Board reading strategies (APPARTS, OPTIC, SOAPStone, etc.)
- Structured note-taking, including Cornell notes.
- The DBQ Project, and analysis of significant historical documents, along with historical writing.
- Extended research based project (e.g. History Fair project, Mock Trial, etc.)
-

This course is specifically aimed at preparing students for International Baccalaureate or Advanced Placement Social Studies courses in High School.

Spanish I IB

0708800 **Grade 8** **Year**

High School Credit: 1

This course is to enable students to begin to acquire proficiency in Spanish through linguistic, communicative and cultural approaches to language learning. Reading and writing will be introduced and basic grammar structures explained. Students will be introduced to the culture and customs of various Spanish-speaking countries. Students will earn high school credit upon successful completion of the course.



Electives

Sixth Grade	Seventh Grade	Eighth Grade
Semester Courses		
Art 2D Automation and Robotics Chorus I Innovators and Makers Flight and Space Gaming Essentials (iChallenge I) iJourney Lego Robotics Music Technology Physical Education SCVS Virtual Class Technical Art Theater TV Production+ Video Game Design	App Creators Art 2D Art 3D* Art Assistant+ AI and Robotics Band Assistant+ Chorus I Design and Modeling Energy and the Environment Gaming Essentials (iChallenge 1) Green Architecture iConnect Innovators and Makers Lego Robotics Magic of Electrons Medical Detectives Music Technology Physical Education PE Assistant+ PIT Crew(Peer Inclusion Team)+ Science of Technology Office Assistant+ Orientation to Agriscience SCVS Virtual Class Technical Art Theatre TV Production+ Video Game Design Web Design Web Foundations (iChallenge 2)	App Creators Art 2D Art 3D* Art Assistant+ AI and Robotics Band Assistant+ Chorus I Design and Modeling Energy and the Environment Engineering Assistant+ Gaming Essentials (iChallenge 1) Green Architecture iConnect Innovators and Makers Lego Robotics Magic of Electrons Medical Detectives Music Technology Office Assistant+ Orientation to Agriscience Physical Education PE Assistant+ PIT Crew(Peer Inclusion Team)+ Science of Technology SCVS Virtual Class Technical Art Theater TV Production+ Video Game Design Web Design Web Foundations (iChallenge 2)
Yearly Courses		
Band I First Lego League+ Physical Education	Band I Band II Concert ** Band III Symphonic ** Chorus II Jazz Ensemble ** Journalism/Yearbook+ First Lego League+ Physical Education SECME+	Band I Band II Concert ** Band III Symphonic ** Chorus II Jazz Ensemble ** Journalism/Yearbook+ First Lego League+ Microsoft Office Suite (MOS)+ Physical Education SECME+

*Indicates a course that has a pre-requisite. Please refer to course descriptions for more information.

**Indicates a course that is audition only. Please refer to course descriptions for more information.

+Indicates a course that requires an application.

Electives

Art 2D Grades 6 -8 Semester

The purpose of this course is to enable students to develop fundamental art appreciation skills through production of two-dimensional works of art. Production activities may include drawing, painting, and printmaking



Art 3D Prerequisite: Art 2D Grades 7 & 8 Semester

The purpose of this course is to enable students to develop fundamental art appreciation skills through the production of three-dimensional works of art. Production activities may include sketching, sculpting, and assemblage. Application required.



Band I Grades 6 – 8 Year

No previous musical experience is required. Students will learn the basics of instrument fundamental, reading music and rhythmic notation, and independent musical performance. Students will have an opportunity to participate in various musical performances throughout the year. Instruments taught in Band are flute, oboe, bassoon, clarinet, trumpet, French horn, trombone, baritone, tuba and orchestral percussion. **Performances are an integral part of the curriculum.**

Band II – Concert Audition Only Grades 7 & 8 Year

Concert Band is open to students at an intermediate level of development. Students should be proficient in music reading, scales, tone production, and articulation. Greater emphasis is placed upon performing band music at an intermediate level. Students will have after school rehearsals when necessary for concert preparation. **Performances are an integral part of the curriculum.**

Band III – Symphonic Audition Only Grades 7 & 8 Year

This accelerated advanced-level instrumental class is for students who have successfully completed at least one year of Beginning Band and/or Concert Band. Students will be given challenging opportunities to develop a higher level of musicianship and performance skills through the study of different levels of styles of band literature. Students will participate in concerts, Music Performance Assessment, and performance activities. **Placement in this class is by Director Recommendation only.**

Jazz Ensemble Audition Only Instrumental Techniques Grades 7 & 8 Year

A placement audition is required for Jazz Band. The course explores the rhythmic and improvisational skills uses to perform jazz as well as the stylistic and historical understanding. Students will study the three basic types of jazz: rock, swing and Latin. The instrumentation for this jazz ensemble may consist of but not limited to trumpets, saxophones, trombones, bass guitar, guitar, drum set and keyboard. **Performances are an integral part of the curriculum.**

Chorus I Grades 6-8 Semester

Students with little or no experience will begin to develop vocal technique and skills, critical and creative thinking skills, and an appreciation of music from around the world and through time. Performances are an integral part of the curriculum.



Electives

Journalism 1 (Yearbook)

Grades 7-8 **Year**

The purpose of this course is to enable students to develop fundamental skills in the production of journalism across print, multimedia, web, and broadcast/radio platforms and to become aware of journalism history, careers, ethics use, and management techniques related to the production of journalistic media. Some activities may be required outside of the school day. **Application required.**

Music Technology

Grades 6-8 **Semester**

Students investigate the fundamental applications, tools, history and aesthetics of music technology. Student musicians explore traditional, current and emerging technologies, including personal devices; and use them to explore, capture, create, arrange, manipulate, reproduce and distribute music. Performances are an integral part of the curriculum.

Seminole County Virtual Class

Grades 6-8 **Semester/Year**

Seminole County Schools recognizes that today's students learn in different ways, at different rates, and on different schedules. Our schools now offer the flexibility to accommodate today's students and families through a variety of educational pathways. Full-time and part-time virtual coursework is available to students in grades six through twelve. These programs offer a wide-range of acceleration opportunities, as well as credit recovery and remediation, through blended schedules that permit students to take some face-to-face courses and some virtual courses, depending on each student's most optimal learning situation.

Physical Fitness

Grades 6 – 8 **Semester**

Students participate in a variety of experiences that enhance sports skills, cardiovascular endurance, and overall fitness through a wide range of individual and team sports in physical education. Rules, relevant facts, and sportsmanship will be taught to students in these activities.

Theatre

Grades 6-8 **Semester**

Students learn the basic of building a character through such activities as pantomime, improvisation, and effective speaking using articulation, projection and breathing. Students also learn the importance of technical theatre and explore the use of such elements as costumes, props and scenery.

TV Production

Grades 6-8 **Semester**

The purpose of this course is to introduce students to careers in the Arts, A/V Technology and Communications. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology for creating morning announcements and other school communications.

Application required.



PLTW Gateway

App Creators

Grades 7 & 8

Semester

Students will be exposed to computer science as a means of computationally analyzing and developing solutions to authentic problems through mobile app development, and will convey the positive impact of the application of computer science to other disciplines and to society.

Automation and Robotics

Grade 6

Semester

Students trace the history and development of automation and robotics. They learn about structures, energy transfer, machine automation, and computer control systems. Students acquire knowledge and skills in engineering problem solving and explore requirements for careers in engineering. Students will enjoy this course if they like to use construction sets to build various objects. They will also learn about assembly line processes and design and program an assembly line.

Flight and Space

Grade 6

Semester

The exciting world of aerospace comes alive through Flight and Space. Students explore the science behind aeronautics and use their knowledge to design, build, and test an airfoil. Custom-built simulation software allows students to experience space travel.

Design and Modeling

Grade 7 & 8

Semester

Students apply the design process to solve problems and understand the influence of creativity and innovation in their lives. They work in teams to design a playground and furniture, capturing research and ideas in their engineering notebooks. Using Autodesk® design software, students create a virtual image of their designs and produce a portfolio to showcase their innovative solutions. Students will enjoy this course if they like to draw and love learning new software programs.

Innovators and Makers

Grades 6 -8

Semester

Students will learn about programming for the physical world by blending hardware design and software development, allowing students to discover computer science concepts and skills by creating personally relevant, tangible, and shareable projects.

Medical Detectives

Grades 7 & 8

Semester

Students play the role of real-life medical detectives as they analyze genetic testing results to diagnose disease and study DNA evidence found at a “crime scene.” They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health.

The Science of Technology

Grade 7 & 8

Semester

Science impacts the technology of yesterday, today, and the future. Students apply the concepts of physics, chemistry, and nanotechnology to STEM activities and projects, including making ice cream, cleaning up an oil spill, and discovering the properties of nano-materials.

Green Architecture

Grades 7 & 8

Semester

Today’s students have grown up in an age of “green” choices. In this unit, students learn how to apply this concept to the fields of architecture and construction by exploring dimensioning, measuring, and architectural sustainability as they design affordable housing units using Autodesk’s® 3D architectural design software.



The Magic of Electrons

Grades 7 & 8

Semester

Through hands-on projects, students explore electricity, the behavior and parts of atoms, and sensing devices. They learn knowledge and skills in basic circuitry design, and examine the impact of electricity on the world around them.

Energy and the Environment

Grades 7 & 8

Semester

Students are challenged to think big and toward the future as they explore sustainable solutions to our energy needs and investigate the impact of energy on our lives and the world. They design and model alternative energy sources and evaluate options for reducing energy consumption.

Engineering Electives

Artificial Intelligence and Mobile Robotics Grades 7 & 8 Semester

Students will be introduced to the concepts of this rapidly growing field in technology. Students will explain how insect and mammal behaviors help Artificial Intelligence researchers and designers create intelligent systems. Students will learn about robots and control systems, demonstrate the functions of sensors and outputs and create intelligent systems using the problem solving process.

First Lego League Grades 6-8 Year

Lego League is a hands-on program that uses challenges based on real world scientific problems to engage students in research, problem solving, and engineering. The teams will design, build and program LEGO Mind Storms robots to complete very challenging missions on an obstacle course. Students are REQUIRED to attend at least two competitions which are on Saturdays between November and February. This is a very challenging, but rewarding, elective for self-motivated students. **Application required.**

Lego Robotics Grades 6-8 Semester

This semester course allows students will build and program LEGO robots. Both introductory and advanced programming in the NXT drag-and-drop programming system will be taught, and students will gain knowledge of basic principles to prepare them for subsequent programming classes. They will design and build robots to achieve the tasks they will be assigned.



MOS (Microsoft Office Specialist) Grade 8 Year

Students prepare to take the certification tests in Microsoft Office applications such as Word, Outlook, Excel, Access, and PowerPoint. Students will earn 1 high school credit. **Application Required.**

Orientation to Agriscience Grades 7 & 8 Semester

Students will be introduced to concepts and careers in agriculture. This includes topics related to plants and animals and the use of technology in the agricultural field. Students will be exposed to the management and operation Of the Milwee greenhouse.

SECME Grades 7 & 8 Year

This class provides learning opportunities to students to encourage their interest in STEM. It also exposes students to engineering related careers. SECME's goal is to encourage students, to pursue careers in the sciences through hands-on activities and competitions. **Application required.**

Technical Art Grades 6-8 Semester

Students learn the skill of orthographic drawing and other art skills related to engineering.

Video Game Design Grades 6 & 7 Semester

This course is designed to give students an overview of beginning concepts of computer programming in "Basic" computer language. Students are placed in a simulated job environment and given the task of learning how to manipulate code in a video game and then creating their own game.

Web Design Grades 7 & 8 Semester

This course will cover the fundamental elements of web design. Students will build web pages with HTML and CSS coding using a text editor. In addition, the essential principles of web design, including white space, proximity, alignment and contrast will be studied and employed when creating student websites. Students will develop professional quality portfolios of original digital graphic artwork using paint and photo editing software. Students will use their knowledge in a real world application by adding their own content to the Milwee Middle School website.



Middle School iSeries Courses

All middle school students must complete at least two of the three courses listed below by the end of 8th grade. (iJourney is required along with either iChallenge or iConnect). Your school may provide direction on the best grade level or sequence for these courses.

iJourney

9100110 Grade 6 Semester

“There is no greater journey than the one that you must take to discover all of the mysteries that lie within you” (Michelle Sandlin). This is your chance to have the choice and freedom you've ALWAYS dreamed of to go wherever you want in life! On this journey you will get to explore yourself (hence the title "i" Journey), get to know your interests, and figure out where it is you want to go both in school and in life! You will discover the many educational pathways offered in Seminole County Public Schools that lead to careers and make a plan for your prosperous future. **This course provides an opportunity to earn one digital tool certificate.**

Gaming Essentials (iChallenge 1)

9009350A Grades 7-8 Semester

Learn about the growing field of computer science. This course focuses on game design.

Web Foundations (iChallenge 2)

9009350B Grades 7-8 Semester

Learn about the growing field of Computer Science. This course continues the Web Design of the Gaming course. “Prerequisite iChallenge Gaming Essentials. Students who take both courses could earn an industry certification.

iConnect

8300330 Grades 7 & 8 Semester

How much do you know about technology? Discover how “Technology, like art, is a soaring exercise of the human imagination” (Daniel Bell). This semester, you will discover new possibilities and learn about technology applications and communication techniques through this innovative and interactive course. In addition, you will have

the opportunity to “show off” your skills by producing a culminating activity that includes your favorite projects from the course and will be added to your ePortfolio! **This high school course provides an opportunity to earn two digital tool certificates.**



Clubs

Art/Anime
ASL
Band
Ballet
Basketball
Board Games/ Card Games
Book Club
Cell Phone Photography
Cheerleading
Chess
Comics Books
Contemporary Dance
Cooking Club
Craftastic
CSI Milwee
Debate
Digital Music
Disney Engineering
Fashion Design
Film Studies
Finance
First Lego-Application
Fitness
Flag Football
Future City
Gamer Evolution
Gardening Club
Gardening
Geology
Hands-on-Milwee
Harry Potter
JROTC (yearlong)
Magic Tricks/Card Tricks
Math (Yearlong)
Math Festival (yearlong)
Minecraft
Origami Club
Pokémon/ Yugioh
Sci-Fi
Sea Perch
Soccer
Society of Hispanic Engineers
Spanish Club
Step Team
Survival Skills
Theater
TSA/Vex Robotics-Application
TV Production
Video Game Design
Volleyball
Web Design
XC (Cross Country)

Sports



Milwee Middle School offers all students the opportunity to participate in an interscholastic sports program. In order to participate, students are required to complete a physical examination, have

parent permission, and provide proof of insurance.

Students selected for the competitive teams are required to pay a registration fee. (Students will not be excluded from play due to an inability to pay. Scholarships are available.) Sixth and seventh grade students may be selected to participate in **Junior Varsity** competition. Seventh and eighth grade students may be selected to participate in **Varsity** competition. All interscholastic sports participants must maintain a 2.0 Grade Point Average (G.P.A.) or better on their most recent report card. If participating in fall sports, the G.P.A. from the previous school year will be considered. During participation, if a student's G.P.A. falls below a 2.0, the student will be removed from the team. Goo Good sportsmanship and adherence to the Seminole County Code of Conduct is expected of all student athletes.

Milwee Middle School offers the following sports teams:

- Volleyball -Basketball
- Cross Country • Track and Field

Interscholastic Sports Program

Milwee Middle School offers a variety of intramural sports programs during the school year. The program operates before and after school, as needed.



Seminole County Public Schools