



R. Dan Nolan Middle School

Curriculum Guide

2020-2021 School Year

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ELA-English Language Arts

Course Name: Intensive Reading

Course Number: 1000010

Grade(s): 6-8

Course Description: This course is to provide instruction that enables students to receive enhanced instruction of reading and contextual skills to successfully engage in grade level text independently. Students who earn a Level 1 or 2 on the ELA state assessment may be required to receive enhanced instruction through this intensive reading class.

Course Name: M/J Language Arts 1

Course Number: 1001010

Grade(s): 6

Course Description: This course is to provide grade 6 students, integrated language arts study in reading, writing, speaking, listening, and language using texts of appropriate complexity, for 7th grade preparation and readiness.

Course Name: M/J Language Arts 1 Advanced

Course Number: 1001020

Grade(s): 6

Course Description: This course is to provide grade 6 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. ***Prerequisite required, refer to Student Progression Plan.***

Course Name: M/J Language Arts 1 Advanced eSTEAM*

Course Number: 1001020E

Grade(s): 6

Course Description: This course is to provide grade 6 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness with technology. ***Prerequisite required, refer to Student Progression Plan, 5th grade teacher recommendation required.***

Course Name: M/J Language Arts 2

Course Number: 1001040

Grade(s): 7

Course Description: This course is to provide grade 7 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

Course Name: M/J Language Arts 2 Advanced

Course Number: 1001050

Grade(s): 7

Course Description: This course is to provide grade 7 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. *Prerequisite required, refer to Student Progression Plan.*

Course Name: M/J Language Arts 2 Advanced eSTEAM*

Course Number: 1001050E

Grade(s): 7

Course Description: This course is to provide grade 7 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness with technology. *Prerequisite required, refer to Student Progression Plan, 6th grade teacher recommendation required.*

Course Name: M/J Language Arts 3

Course Number: 1001070

Grade(s): 8

Course Description: This course is to provide grade 8 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

Course Name: M/J Language Arts 3 Advanced

Course Number: 1001080

Grade(s): 8

Course Description: This course is to provide grade 8 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. *Prerequisite required, refer to Student Progression Plan.*

Course Name: M/J Language Arts 3 Advanced eSTEAM*

Course Number: 1001080E

Grade(s): 8

Course Description: This course is to provide grade 8 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness with technology. *Prerequisite required, refer to Student Progression Plan, 7th grade teacher recommendation required.*

Course Name: English I Honors

Course Number: 1001320

Grade(s): 8

Course Description: This high school honors level course, aligned with the Language Arts Florida Standards, is designed to challenge the college-bound students. Focuses on developing competent skills in written analysis preparing the English I Honors student for future, complex endeavors in Advanced Placement or Dual Enrollment courses. ***Prerequisite: 3 or above on the ELA FSA or 3.5 GPA in 7th grade Advance ELA and teacher recommendation, refer to Student Progression Plan.***

Math

Course Name: Intensive Mathematics

Course Number: 1204000

Grade(s): 6-8

Course Description: This course is to provide instruction that enables students to receive enhanced practice in mathematical foundations to successfully achieve math proficiency. Students who earn a Level 1 or 2 on the Math state assessment may be required to receive enhanced instruction through this intensive math class.

Course Name: M/J Mathematics

Course Number: 1205010

Grade(s): 6

Course Description: This course covers the operations with whole numbers, decimals and fractions, exponents, ratio and proportion, basic geometry, estimation, data display, standard and metric measurement, and the use of variables.

Course Name: M/J Accelerated Mathematics

Course Number: 1205020

Grade(s): 6

Course Description:

This course goes beyond the standard 6th grade course by including operations with integers, negative exponents, several types of percent problems and multi-step equations in one variable. ***For the highly motivated student who earned A's & B's in 5th grade math, has teacher recommendation and a 3 or above on the Mathematics FSA, refer to Student Progression Plan.***

Course Name: M/J Mathematics

Course Number: 1205040

Grade(s): 7

Course Description: This course covers a variety of general math topics from core curriculum, including basic statistics, number theory, algebraic reasoning, proportional reasoning, percentages, probability and basic geometry.

Course Name: M/J Accelerated Mathematics

Course Number: 1205050

Grade(s): 7

Course Description: This course is primarily a Pre-Algebra course that prepares students for high school levels Honors Algebra in 8th grade. This course has a strong emphasis on the use of variables in equations and inequalities, operations with integers, number relationships, number theory, patterns and functions, basic geometry and problem-solving strategies. ***For the highly motivated student has teacher recommendation and a 3 or above on the Mathematics FSA, refer to Student Progression Plan.***

Course Name: M/J Mathematics Pre-Algebra

Course Number: 1205070

Grade(s): 8

Course Description: This course is primarily designed to prepare students to take Algebra I in high school. This course has a strong emphasis on the use of variables in equations and expressions and focuses on operations with integers and fractions. Basic geometric concepts are taught with an emphasis on algebraic thinking. In addition, the course covers word-problem solving strategies, probability and data analysis.

Course Name: Critical Thinking (Algebra Success)

Course Number: 1700100

Grade(s): 8

Course Description: Covers topics necessary to assist students in the successful completion of high school Algebra. Students will receive parallel support and instruction designed to reinforce, develop, practice and individualize the basic skills and objectives on standards being covered in their core Algebra. This course will enhance lifelong mathematical foundations in Algebra. ***Prerequisite: 3 or above on the FSA.***

Course Name: Algebra 1 Honors

Course Number: 1200320

Grade(s): 7-8

Course Description: This course meets the high school credit requirements. Emphasis is on algebraic solutions to complex word problems, including functions and systems of equations, polynomials, irrational numbers and quadratic equations. Students are required to take the same cumulative semester exams and EOC that are given in high school, counting 30% of the course grade. ***Prerequisites for 7th graders: 4 or above on the Mathematics FSA, scored a stanine of 8 or 9 on the Iowa Algebra Prognosis Test, complete the district developed summer assignment and have either teacher recommendation or 3.5 GPA in 6th grade Accelerated Mathematics. Prerequisites for 8th graders: 3 or above on the Mathematics FSA, or 3.5 GPA in 7th grade Accelerated Math and teacher recommendation, refer to Student Progression Plan.***

Course Name: Geometry Honors

Course Number: 1206320

Grade(s): 8

Course Description: This is a high school course. The primary objective is to teach students how to reason mathematically through visualization, analysis and deductive reasoning. Proficiency will geometric skills is developed and applied to the understanding of geometric concepts. Topics include angle measurements and relationships, parallel line relationships, properties of polygons and solids, congruent triangles, similarity, right triangle trigonometry, circles, constructions, area, volume and coordinate geometry. Emphasis is on logic and proofs. A variety of applications and general problem-solving techniques, including algebra skills, are required. ***Prerequisites: C or above in Algebra 1 Honors and a passing score on Algebra I EOC, refer to Student Progression Plan.***

Science

Course Name: M/J Science 1

Course Number: 2002040

Grade(s): (6)

Course Description: This course is to provide laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Learners should understand measurement error and have the skills to aggregate, interpret, and present the resulting data.

Course Name: M/J Science 1 Advanced

Course Number: 2002050

Grade(s): 6

Course Description: This course is to provide laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Learners should understand measurement error and have the skills to aggregate, interpret, and present the resulting data. Advanced students may have additional projects and/or homework. ***Prerequisite: 3 or above on the FSA, refer to Student Progression Plan.***

Course Name: M/J Science Advanced eSTEAM*

Course Number: 2002050E

Grade(s): 6

Course Description: This course is to provide laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Learners should understand measurement error and have the skills to aggregate, interpret, and present the resulting data with technology. Advanced students may have additional projects and/or homework. ***Prerequisite: 3 or above on the FSA, 5th Grade Teacher recommendation required, refer to Student Progression Plan.***

Course Name: M/J Science 2

Course Number: 2002070

Grade(s): 7

Course Description: This course is to provide laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Learners should understand measurement error and have the skills to aggregate, interpret, and present the resulting data.

Course Name: M/J Science 2 Advanced

Course Number: 2002080

Grade(s): 7

Course Description: This course is to provide laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Learners should understand measurement error and have the skills to aggregate, interpret, and present the resulting data. Advanced students may have additional projects and/or homework. ***Prerequisite: 3 or above on the FSA refer to Student Progression Plan.***

Course Name: M/J Science 2 Advanced eSTEAM*

Course Number: 2002080E

Grade(s): 7

Course Description: This course is to provide laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Learners should understand measurement error and have the skills to aggregate, interpret, and present the resulting data with technology. Advanced students may have additional projects and/or homework. ***Prerequisite: 3 or above on the FSA, 6th Grade Teacher recommendation required, refer to Student Progression Plan.***

Course Name: M/J Science 3

Course Number: 2002100

Grade(s): 8

Course Description: This course is to provide laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Learners should understand measurement error and have the skills to aggregate, interpret, and present the resulting data.

Course Name: M/J Science 3 Advanced

Course Number: 2002110

Grade(s): 8

Course Description: This course is to provide laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Learners should understand measurement error and have the skills to aggregate, interpret, and present the resulting data. Advanced students may have additional projects and/or homework. ***Prerequisite: 3 or above on the FSA, refer to Student Progression Plan.***

Course Name: M/J Science 3 Advanced eSTEAM*

Course Number: 2002110E

Grade(s): 8

Course Description: This course is to provide laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Learners should understand measurement error and have the skills to aggregate, interpret, and present the resulting data with technology. Advanced students may have additional projects and/or homework. ***Prerequisite: 3 or above on the FSA, 7th Grade Teacher recommendation required, refer to Student Progression Plan.***

Course Name: Integrated Science 1 Honors

Course Number: 2002410

Grade(s): 8

Course Description: This is a high school course. This course is to provide laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Laboratory investigations in this high school course should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data. Science fair projects are required. Students may have additional projects and/or homework. ***Prerequisites: 4 or above on both ELA and Mathematics FSA or 3.0 GPA in 7th grade Adv. Science, refer to Student Progression Plan.***

Social Studies

Course Name: M/J World History

Course Number: 2109010

Grade(s): 6

Course Description: 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.

Course Name: M/J World History Advanced

Course Number: 2109020

Grade(s): 6

Course Description: 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. ***Prerequisite: 3 or above on the FSA, refer to Student Progression Plan.***

Course Name: M/J World History Advanced eSTEAM*

Course Number: 2109020E

Grade(s): 6

Course Description: 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 with technology.

Prerequisite: 3 or above on the FSA, 5th Grade Teacher recommendation required, refer to Student Progression Plan.

Course Name: M/J Civics & Career Planning

Course Number: 2106016

Grade(s): 7

Course Description: 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.

Course Name: M/J Civics & Career Planning Advanced

Course Number: 2106026

Grade(s): 7

Course Description: 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. Advanced students will complete research-based projects with appropriate rigor. **Prerequisite: 3 or above on the FSA, refer to Student Progression Plan.**

Course Name: M/J Civics & Career Planning Advanced eSTEAM*

Course Number: 2106026E

Grade(s): 7

Course Description: 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 with technology. **Prerequisite: 3 or above on the FSA, 6th Grade Teacher recommendation required, refer to Student Progression Plan.**

Course Name: M/J US History & Career Planning

Course Number: 2100015

Grade(s): 8

Course Description: 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.

Course Name: M/J US History & Career Planning Advanced

Course Number: 2100025

Grade(s): 8

Course Description: 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. History fair projects are required.

Prerequisite: 3 or above on the FSA, refer to Student Progression Plan.

Course Name: M/J US History & Career Planning Advanced eSTEAM*

Course Number: 2100025E

Grade(s): 8

Course Description: 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. **Prerequisite: 3 or above on the FSA, 7th Grade Teacher recommendation required, refer to Student Progression Plan.**

***Prerequisites for Incoming 6th Grade eSTEAM Students:**

- A minimum 3.0 GPA at time of middle school registration.
- Conduct marks during second semester of 5th grade must be 'Excellent' or 'Satisfactory.'
- The student's 5th grade teacher's recommendation signature* on the middle school registration form (*indicates that the student has a strong work ethic, high level of maturity, strong ability to follow multi-step directions, and is responsible).
- Completion of the advanced level in the Typing.com app found on <https://launchpad.classlink.com/> by the start of the 2020-2021 school year (eSTEAM students will be assessed on their typing proficiency during the first two weeks of school).
- Notice: All 6th grade eSTEAM students are required to take the tech elective class, Orientation to Career Clusters.

- Parents, when purchasing your child’s laptop, please be sure to not purchase a tablet or Chromebook.
- Questions? Please email Mrs. Hinton at hintonr@manateeschools.net or Mrs. Sponsel at sponselc@manateeschools.net.

7th and 8th graders eSTEAM guidelines:

- ALL core teachers' signatures* on the registration form (*indicates that the student has conduct marks of ‘excellent’ or ‘satisfactory’ and a B average in the course).
 - Highly recommended completion of the advanced level in the Typing.com app found on <https://launchpad.classlink.com/> by the start of the 2020-2021 school year.
 - Parents, when purchasing your child’s laptop, please be sure to not purchase a tablet or Chromebook.
 - Questions? Please email Mrs. Freer at freerm@manateeschools.net for 7th grade eSTEAM questions and Mr. Robinson at robinsonc@manateeschools.net for 8th grade eSTEAM questions.
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Electives

Course Name: Beginning Spanish

Course Number: 0708000

Grade(s): 6-8

Course Description: The purpose of this course is to introduce fundamental skills in the Spanish language. The students will be able to understand a variety of expressions used in daily life. The students will learn about specific oral vocabulary and initiate conversation using the vocabulary and structure learned in class. The student will also learn about the basic elements of the Spanish culture, including gestures and holidays.

Course Name: Spanish 1

Course Number: 0708340

Grade(s): 7-8

Course Description: The purpose of this course is to introduce students to the Spanish language and its culture and to develop communicative skills and cross-cultural understanding. The content will include beginning skills in listening and speaking with special attention to pronunciation. An introduction to reading and writing will be included, as well as the fundamentals of grammar and culture. High School Course.

Prerequisite: Level 4 or above on the ELA or Mathematics FSA or teacher recommendations and 3.0 GPA on the previous year’s ELA course.

Course Name: Spanish 2

Course Number: 0708350

Grade(s): 8

Course Description: The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Spanish 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued. **High School Course.**

Prerequisite: Level 4 or above on the ELA or Mathematics FSA or teacher recommendations and 3.0 GPA on the previous year’s ELA course.

Course Name: Exploring Music Performance (Music Wheel)

Course Number: 1300080

Grade(s): 6

Course Description: All 6th grade students will take the music wheel as 1 of their 3 elective choices. Students with little or no vocal or instrumental experience develop basic foundational skills and knowledge. Students also explore different genres of music and learn about the benefits of music study. It consists of orchestra, band and chorus. Students will rotate through orchestra, band and chorus for 1 week each. After, they will pick one of the three choices and continue in that elective for the remainder of the year.

Course Name: Band 1

Course Number: 1302000

Grade: 6

Course Description: Students with little or no instrumental experience develop foundational instrumental technique, foundational music literacy, and aesthetic musical awareness through rehearsal, performance, and study of high-quality band literature. Instrumentalists work on the fundamentals of music notation, sound production, instrument care and maintenance, and personal and group rehearsal strategies.

Course Name: Band 2/3/4

Course Number: 1302010/1302020/1302030

Grade(s): 7-8

Course Description: Students with previous band experience build on instrumental technique, music literacy, and aesthetic response through rehearsal, performance, and study of a variety of high-quality band literature. Instrumentalists expand their knowledge of music notation, music theory, sound production, and personal and group rehearsal strategies. This band will perform at both the winter and spring concerts.

Course Name: Orchestra 1

Course Number: 1302040

Grade:6

Course Description: Students who have little or no experience on violin, viola, cello, bass, or harp explore high-quality music literature written or transcribed for string orchestra. Study includes the development of foundational instrumental ensemble techniques, performance skills, music literacy, and aesthetic awareness. This class has 1 required performance.

Course Name: Orchestra 2/3

Course Number: 1302050/1302060

Grade(s): 7-8

Course Description: Students who have some previous orchestral experience focus on the development of instrumental technique, musical literacy, performance skills, and increasing aesthetic awareness through study, rehearsal, and performance of a variety of high-quality orchestra literature. This class has several required performances. *Prerequisite required for Orchestra 3.*

Course Name: Orchestra 4

Course Number: 1302070

Grade(s): 8

Course Description: Students must qualify for this class, as this class is for students who have the skills and experience in orchestra. The class will continue development of skills in instrumental technique, musical literacy, performance, and increasing aesthetic awareness through study, rehearsal, and performance of a variety of high-quality orchestra literature. This class has several required performances. *Prerequisite required for Orchestra 4 along with Teacher Approval.*

Course Name: Chorus 1

Course Number: 1303000

Grade: 6

Course Description: Students with little or no choral experience develop beginning vocal technique and skills, critical and creative thinking skills, and an appreciation of music from around the world and through time.

Course Name: Chorus 2

Course Number: 1303010

Grade(s): 7-8

Course Description: Students build on previous choral experience to expand vocal, technical, musical, and ensemble skills through rehearsal, performance, and study of high-quality choral literature. Singers focus on increasing knowledge of music theory, music literacy, and aesthetic response. There will be some outside performance in this class. Students must have a desire to sing and participate in school concerts.

Course Name: Vocal Ensemble 1/2

Course Number: 1303100 /1303110

Grade(s):7- 8

Course Description: Students with previous vocal ensemble experience continue to build musicianship and performance skills through the study, rehearsal, and performance of high-quality ensemble literature in a variety of styles. Student musicians learn to self-assess and collaborate as they study relevant musical styles and time periods. Students are selected by audition and/or recommendation. There are outside performances, including community, school, the Florida Vocal Association music performance assessments and solo/ensemble. *Prerequisite required.*

Course Name: Guitar 1

Course Number: 1301060

Grade(s) 7

Course Description: Students with little or no experience develop basic guitar skills and knowledge, including simple and full-strum chords, strumming patterns, playing/singing simple melodies, foundational music theory, parts of the guitar, and ensemble skills. Beginning guitarists explore the careers and music of significant performers in pop/rock, jazz, blues, classical, country, bluegrass, and hard rock/metal genres.

Course Name: Theatre 1

Course Number: 0400000

Grade(s): 7

Course Description: Students learn the basics 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. Students practice writing for the theatre and explore various theatre roles and functions. *Prerequisite required.*

Course Name: Theatre 2

Course Number: 0400010

Grade(s): 8

Course Description: Students with previous theatre experience and instruction continue to study acting, design, and dramatic literature to increase the enjoyment and understanding of what is required to prepare plays for the public. Students explore theatre history, study the great American playwrights, examine the cultural and historical contributions to theatre, and begin to use the information to inform and improve their theatre knowledge and skills. *Prerequisite required.*

Course Name: Introduction to Agriscience

Course Number: 8100120

Grade(s): 6

Course Description: The agricultural program is a fun hands-on course that offers an opportunity for students to learn about the endless possibilities in the world of agriculture. Students will be exposed to the many areas of agriculture such as wildlife, aquaculture, small animals, career explorations, dairy products, greenhouse plant management, landscaping, beef cattle, leadership, and food safety.

Course Name: Orientation to Agriscience

Course Number: 8100310

Grade(s): 7

Course Description: Students will have an expanded opportunity to work closely with the land lab and several different types of small animals. This course also allows students to compete in local, state and national competitions. Exploration of the many careers in agriculture are explored and experienced in a fun and challenging way.

Course Name: Exploration of Agriscience

Course Number: 8100210

Grade(s): 8

Course Description: Students will begin to make informed decisions regarding their future academic and occupational goals and to provide information regarding careers in Agriculture, and Food and Natural Resources. Instructions and learning activities are provided in a laboratory setting using hands-on experiences with equipment, materials and technology along with industry fieldtrips.

Course Name: Fundamentals of Agriculture (FFA Leadership)

Course Number: 8021300/8021400

Grade(s): 7- 8

Course Description: Building on the years of agriculture, students in this class will participate in the Future Farmers of America (FFA) and meet the requirements for participation in this organization, including competitions and academics. The ability to work independently is necessary. ***Application and Agriculture teacher recommendations required.***

Course Name: Agriscience Foundations 1

Course Number: 8106810

Grade(s): 8

Course Description: This is a high school course. This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment. ***This is a High School course. Students can earn an industry certification in this course. Agriculture teacher approval is required.***

Course Name: Physical Education

**Course Number: 1st Semester 1508000 (6th Grade), 1508070 (7th Grade), and 1508050 (8th Grade)
2nd Semester: 1508060 (6th Grade), 1508020 (7th Grade), and 1508040 (8th Grade)**

Grade(s) 6-8

Course Description: The purpose of this course is to provide students with the knowledge, skills, and values they need to become healthy and physically active for a lifetime. This course addresses both the health and skill-related components of physical fitness which are critical for students' success.

Course Name: Orientation to Career Clusters*

Course Number: 8000400

Grade(s): 6

Course Description: This course provides a pathway to careers in multiple career clusters, including technology and Digital Literacy skills. Students will have an opportunity to test in Microsoft tools (IC3), including digital literacy, operating systems, office applications, networking basics, electronic communication and Internet. This is a required class for 6th grade students who are in eSTEAM courses. ***Industry Certification may be offered.***

Course Name: Business Keyboarding and Career Planning (FBLA)

Course Number: 8200130

Grade(s): 7-8

Course Description: The purpose of this course is to assist students in making informed decisions regarding their future academic and occupation goals and to provide information regarding the Business Management and Administration career cluster. Included in this course is an introduction to keyboarding, word processing, electronic presentation, computer hardware, internet and business skills. ***Industry Certification may be offered.***

Course Name: Introduction to Health Science Career Pathways

Course Number: 8709350

Grade(s): 6

Course Description: The purpose of this class is to introduce the student to Health Science Professions in the five pathways which include Therapeutic Services, Diagnostic Services, Health Informatics, Support Services and Biotechnology. Students will learn basic medical terminology, explore a variety of careers, identify common characteristics of the professions, identify skills required to enter the professions and participate in labs. Guest speakers are part of the course and field trips when possible. ***Application Required and 5th grade teacher recommendation.***

Course Name: Orientation to Health Science Professions

Course Number: 8400110

Grade(s): 7

Course Description: The purpose of this class is to study health science professions by recognizing progress in health care service, demonstrating an awareness of health science professions and related employability skills, learning medical terminology and other communication skills including medical math, principles of wellness and disease, perform basic health care skills, demonstrate occupational safety skills and participate in labs. Guest speakers are a part of the course and field trips when possible. ***Application and teacher approval are required due to the nature of content and safety in the course.***

Course Name: Exploration of Health Science Professions

Course Number: 8400310

Grade(s): 8

Course Description: The purpose of this class is to explore health science professions and make informed decisions regarding their future academic and career goals, and to provide information regarding careers in the Health Science cluster. The course includes an introduction to medical ethics, consumerism, and characteristics of health care workers, community health agencies, and job requirements. Students have hands on opportunities to utilize skills taught. Guest speakers are part of the course and field trips when possible. ***Application and teacher approval are required due to the nature of content and safety in the course.***

Course Name: Introduction to Health Science Career Pathways and Career Planning

Course Number: 8709360

Grade(s): 7

Course Description: The purpose of this class is to learn leadership and teambuilding skills, work on service projects aligned with International HOSA, utilize required skills and technologies associated with each pathway in the Health Science career cluster with an emphasis in career planning through competitive projects. ***Application and teacher approval are required due to the nature and travel in this course.***

Course Name: Exploration of Health Professions and Career Planning

Course Number: 8400210

Grade(s): 8

Course Description: The purpose of this class is to learn leadership and teambuilding skills, work on service projects aligned with International HOSA, utilize required skills and technologies associated with each pathway in the Health Science career cluster with an emphasis in career planning through competitive projects.

Application and teacher approval are required due to the nature and travel in this course.

Course Name: Medical Skills and Services

Course Number: 8400320

Grade(s): 8

Course Description: This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and professions in the Health Science Career cluster including technical skills proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher order reasoning and problem solving skills, work attitudes, general employability skills, and knowledge of all aspects of the Health Sciences. Students will earn one high school elective credit for successful course completion. Guest speakers and field trips will be a part of this course when possible.

Preapproval Required.

Course Name: Advanced Academics 6-8: Gifted

Course Number: 7855040

Grade(s): 6-8

Course Description: This Advanced Academics course is offered as an elective class is designed to enable exceptional students to acquire and apply the skills and abilities needed to enhance academic achievement through experiences. This class gives students an opportunity to learn more about themselves and develop skills that will aid them in reaching their true potential. Students will be guided through the stresses and rigors of honors coursework and reinforce the necessary academic habits needed to succeed. While identifying their strengths and areas of development, students will participate in projects and competitions that will allow them to be innovative and creative while encouraging the use of problem-solving and critical thinking.

Prerequisite, student must be Gifted eligible and have an EP.

Course Name: Introduction to Technology

Course Number: 8600010

Grade(s): 6

Course Description: The purpose of this course is to give students an introduction to the areas of technology and to introduce students to the design and problem-solving processes using manipulative skills while working cooperatively with others in team activities.

Course Name: Exploring Technology

Course Number: 8600020

Grade(s): 7

Course Description: The purpose of this course is to give students an opportunity to explore the areas of technology and associated careers available in technical fields. Students will be given the opportunity to solve technological problems while gaining an understanding of the effects of technology on our everyday lives.

Prerequisite required.

Course Name: Exploration of Production Technology

Course Number: 8600040

Grade(s): 8

Course Description: The purpose of this course is to give students an opportunity to explore the area of production technology and its associated careers. Students will be given the opportunity to solve technological problems using a variety of tools, materials, processes and systems while gaining an understanding of the effects of production technology on our everyday lives. ***Prerequisite required.***

Course Name: Exploring Technology and Career Planning (TSA)

Course Number: 8600220

Grade(s): 7

Course Description: The purpose of this course is to give students an opportunity to explore the areas of technology and associated careers available in technical fields. Students will be given the opportunity to solve technological problems while gaining an understanding of the effects of technology on our everyday lives.

Prerequisite required.

Course Name: Exploring of Production Technology and Career Planning (TSA Tech Lab)

Course Number: 8600042

Grade(s): 8

Course Description: The purpose of this course is to give students an opportunity to explore the area of production technology and its associated careers. Students will be given the opportunity to solve technological problems using a variety of tools, materials, processes and systems while gaining an understanding of the effects of production technology on our everyday lives. ***Prerequisite required.***

Course Name: Computer Applications in Business 2

Course Number: 8200210

Grade(s): 7, 8

Course Description: This is an exploratory course designed to provide instruction in computer hardware, Internet, soft skills for business applications, fundamental techniques in graphics and photo editing software. The content includes learning how to create professional-looking graphics for web or print with industry standard graphical software. *Industry Certification may be offered (ACA).*

Course Name: Computer Applications in Business 3

Course Number: 8200211

Grade(s): 8

Course Description: This is an intermediate course designed to provide instruction in keyboarding, computer hardware, Internet, vector design graphics, and soft skills for business applications. The content includes learning how to create professional-looking graphics for web or print with industry standard vector graphics software. *Prerequisite required. Industry Certification may be offered (ACA).*

Course Name: Digital Information Technology

Course Number: 8207310

Grade(s): 8

Course Description: This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry. The content includes information technology career research; operating systems and business software applications. These competencies provide the skills necessary to ensure increased productivity and efficient utilization of industry standard office applications including word processing, presentation software, spreadsheets, desktop publishing, and data base processing. This is a High School credit course. *Prerequisite required. Industry Certification may be offered (MOS).*

Course Name: Business Leadership Skills (TSA Lab)

Course Number: 8200120

Grade(s): 8

Course Description: 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 Business Leadership or Business Technology career clusters. The content includes but is not limited to digital publishing, entrepreneurship, international business, promotional marketing, and business technology software applications. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current industry practices. *Prerequisite required. Industry Certification may be offered.*

Course Name: Art 1

Course Number: 0101010

Grade(s): 6

Course Description: The purpose of this course is to provide experiences necessary for an awareness, appreciation, and production of works of art with an emphasis on two-dimensional art. Students explore media and techniques used to create a variety of 2-D artworks through developing skills in drawing, painting, printmaking, and collage. Students practice, sketch, and manipulate the structural elements of art. Investigation of artworks from Western and non-Western cultures provide a means for students to expand their understanding and appreciation of the role of art in global culture. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Course Name: Art 2

Course Number: 0101020

Grade(s): 7

Course Description: The purpose of this course is to provide experiences necessary for an awareness, appreciation, and production of works of art with an emphasis on two-dimensional art. Students refine techniques used to create a variety of two-dimensional (2-D) artworks through developing skills in drawing, painting, printmaking, and collage. Students manipulate the structural elements of art to promote creative risk-taking in 2-D artwork. Investigation of artworks from Western and non-Western cultures provides a means for students to expand their understanding and appreciation of the role of art in global culture. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Course Name: Art 2 Career Planning

Course Number: 0101025

Course Grade(s): 7

Course Description: Students refine techniques used to create a variety of two-dimensional (2-D) artworks through developing skills in drawing, painting, printmaking, and collage. Students manipulate the structural elements of art with increasing independence to promote creative risk-taking in 2-D artwork. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. In tandem with their learning opportunities in 3-D Studio Art, they investigate careers in a wide variety of fields, including the visual and performing arts. This course incorporates hands-on activities and consumption of art materials. ***Prerequisite required.***

Course Name: Art 3

Course Number: 0101026

Grade(s): 8

Course Description: The purpose of this course is to provide experiences necessary for an appreciation and production of works of art with an emphasis on two-dimensional art. Students extend to an advanced level of techniques used to create a variety of 2-D artworks through developing skills in drawing, painting, printmaking, and collage. Students proficiently manipulate the structural elements of art with increasing independence to promote creative risk-taking in 2-D artwork. Investigation of artworks from Western and non-Western cultures provide a means for students to expand their understanding and appreciation of the role of art in global culture. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Course Name: Creative Photography 1 (Yearbook)

Course Number: 0102040

Grade(s): 7-8

Course Description: This course may include, but is not limited to, color and/or black and white photography via digital media and/or traditional photography. This class is a primarily student-run class in which students plan and design the yearbook. Students are responsible for interviewing, writing and editing copy, taking pictures, and designing pages. Strong writing and/or Photoshop skills are required. *Prerequisite required.*

Course Name: Journalism 1/2

Course Number: 1006000/1006010

Grade(s): 7-8

Course Description: 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.

Course Name: Library Skills/Information Literacy

Course Number: 1100000

Grade(s): 7-8

Course Description: The purpose of this course is to enable students to develop the skills to create presentation projects (including the utilization of various software programs for the production of multimedia) and an understanding of technology, including library software, to interact and collaborate with peers.
