

HUGHES ACADEMY

OF SCIENCE AND TECHNOLOGY



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Planning Your Education

Your school provides this course curriculum guide as a means of assisting students and parents in understanding and planning their course of study. Students are encouraged to carefully select related arts courses during the registration process. Your school's guidance counselors and teachers stand ready to assist them. Parents are invited and encouraged to actively participate by assisting their student.

Related arts classes are scheduled based upon student requests. However, due to schedule conflicts and changes in course offerings, the staff cannot guarantee that students will be scheduled for all courses they request. In addition, be aware that the school builds a master schedule and employs teachers based on students' requests; therefore, schedule changes will only be considered on a very limited basis.

Online Registration

Online Registration was implemented in 2004. It allows parents and students to request related arts courses for the next school year from home via the Internet. Families who do not have access to the Internet will be given opportunities to use school computers to register online. Parents and students should understand that requesting a related arts course through online registration does not guarantee that the student is placed in the course the next school year. Final placement in a course is dependent upon enrollment, scheduling feasibility, and teacher allocation. Parents without Internet access at home will receive a printed copy of the course curriculum guide by request. The window for students to select related arts courses online is posted by the school on the school's website and in parent newsletters. Schools will provide instructions on accessing the online registration tool.

Promotion Criteria for Grades Six, Seven, and Eight

Criterion 1: Students in grades six through eight are expected to learn, at a minimum, curriculum standards in English language arts, mathematics, science, and social studies, and meet attendance requirements.

Criterion 2: The student earned a minimum average grade of 60% in English language arts, mathematics, science, and social studies (if language arts is taught as a separate subject in grades 6-8, the English language arts grade will be determined by the mean of the yearly average of reading and language arts.)

End of Year Promotion Status

The following are summary designation and descriptors for end-of-year promotion status of students in grades six-eight.

Promoted – The student met all promotion criteria. The one exception is that students who fail a high school credit bearing course in middle school are promoted but must retake the course. Enrollment in these credit bearing courses will be determined by the district criteria.

Promoted - Summer School Required - The student failed to meet the criteria for one or two core academic areas, but successful performance in summer school for any deficient area was met.

IGPs, Career Clusters and Personal Pathways to Success

The South Carolina Education and Economic Development Act (EEDA) requires school districts to develop a curriculum organized around the career cluster system—16 career clusters, schools of study, and majors. In the organization of the district curriculum around the career cluster system, Greenville County Schools divided the 16 career clusters into six schools of study. These six schools of study include School of Arts, Communication and Information Technology; Business, Marketing and Management; Environmental and Agricultural Systems; Health Science; Human Resources and Services; and Industrial Manufacturing and Engineering Systems. Under each school of study a student will find related career clusters. The career clusters are then broken down into academic focus areas (majors) that students may choose based on interests and skills.

Personal Pathways to Success is the name given to this reorganization of the curriculum which is designed to help students take control of planning for their futures. Personal Pathways to Success provides the solid mix of academic and technical skills students need to compete in the global economy. It gives students a reason to achieve in school by connecting success in school with success in life. It maintains South Carolina's core academic requirements while opening up pathways to success for students no matter where they lead – to two-year colleges, four-year colleges or universities, the military, or directly into the workforce. Students, parents, and counselors work together to develop Individual Graduation Plans (IGP) that specify a student's cluster, academic focus (major), post-secondary goals, planned high school activities, and planned out-of-class activities. The Individual Graduation Plan (IGP) is a document that states the student's intentions related to courses that are taken during high school. **The IGP is initiated in the 8th grade with the choice of a cluster area. When the IGP is updated in the 10th grade, the student will select an academic focus (major) within their cluster of choice.** Students will utilize Naviance, a comprehensive college and career readiness tool, to help them align their strengths and interests to their career goals. The courses that are taken are determined by the student's interests. It can be modified over time as interests and skills develop or change. The IGP is like a road map to the future: if the student stays on course, the student will reach the destination – graduation – with all the courses, skills and experience needed to take his education or career to the next level. Each year the student, parents/guardians, and counselors will review and update the plans for the coming year. Switching clusters or majors is okay -- as the high school years progress and the student learns more about his interests and skills there are bound to be changes in choice of coursework.

Hughes Academy

Academic Levels

Welcome to Hughes Academy! Each student's current teachers select the academic level in which that student will be placed. Several factors are considered when making this decision: current progress, test scores, and grades. If you feel that your child has been inappropriately placed, please contact his/her current teacher.

Challenge/Gifted and Talented (GT) Criteria:

The School District of Greenville County provides programs for Challenge/GT students to challenge them with rigorous, complex classwork and research. Students may demonstrate high performance ability or potential in academic areas. Students must meet the state criteria before being placed in the Challenge/GT program. Students who meet the criteria in two of the three dimensions are eligible for placement.

Students may qualify automatically with an extremely high aptitude or IQ score of 96th percentile or higher for their age group. If students do not qualify solely on aptitude, this process will be used for screening:

Dimension A -- Reasoning Abilities - Students must demonstrate high aptitude (93rd national age percentile or above) in one or more of these areas: verbal, nonverbal, quantitative and/or a composite of the three.

Dimension B -- Academic Achievement - Students must demonstrate high achievement (94th national percentile and above or advanced status) in reading and/or math as measured by a nationally normed or South Carolina statewide assessment instrument.

Dimension C -- Intellectual/Academic Performance - Students must demonstrate a high degree of interest in and commitment to academic and/or intellectual pursuits. Rising sixth grade students may be eligible to take the Performance Task Test in March if they have already met the criteria in Dimension A or Dimension B. Beginning with grade 7, students must have 3.75 GPA on a 4.0 scale to meet the criteria in Dimension C.

Results of private testing will not be accepted for placing students in the Challenge/GT program.

Math Placement

- **A student completing Math 6/7/8 in sixth grade will be recommended for Honors Algebra 1 in seventh grade, provided he/she qualifies based on district criteria. A seventh grader in Honors Algebra 1 who makes an A or B will be recommended for Honors Geometry in eighth grade. A seventh grade student who makes a C or D in Algebra 1 will be recommended to repeat Honors Algebra 1 in eighth grade. Repeating the course will give the student a much stronger foundation in this gateway course and would greatly increase the probability of success in future math courses.

- **Students in Math 6/7/8 who do not qualify for Algebra 1 in seventh grade will be recommended for Math 7/8 in seventh grade and then Honors Algebra 1 in eighth.

- Students who successfully complete Math 6/7 will be recommended for Math 7/8. Students who successfully complete Math 7/8 will be recommended for Honors Algebra 1 in grade 8 without going through the district screening process. The only exception to this is the few 7th graders who are only marginally successful in Math 7/8. These students will be subject to the district screening process to insure proper placement.

- A student successfully completing Math 6 in sixth grade will take Math 7 in seventh grade. At the end of seventh grade those students in Math 7 who meet district criteria will be recommended for Honors Algebra 1 in eighth grade. Those who do not qualify for Algebra H 1 in eighth grade will take Math 8.

- Eighth graders who make an A or B in Honors Algebra 1 will be recommended for Honors Geometry in grade nine. Students who do not make an A or B in Algebra 1H in grade 8 should remain in the honors program and repeat Honors Algebra 1 in grade 9 rather than take Geometry CP. Retaking this foundational course is essential to student success in further honors courses in mathematics.

**This only applies to current 7th graders moving to 8th grade for the 2021-2022 school year

English 1 Honors

English 1 Honors is course for academically gifted students who have the ability to pursue an accelerated English program. These students may be preparing for Advanced Placement English (college level courses) in high school; therefore, the coursework will reflect more rigor than English I CP. **Note:** This course carries Honors GPA weighting.

Prerequisites:

- Identified as GTA (eligible for Gifted and Talented programs) in middle school English-Language Arts
- At least an average of a 90 in English GT 7
- Lexile score of 1100 or higher on SC Ready
- Teacher recommendation

Teams

At Hughes Academy, we operate in a school-within-a-school framework. We have an administrator and a school counselor on each hall, and we have several teams in each grade level. A team is a group of teachers who work together. Teams are composed of teachers who specialize in different areas. Generally, there will be one teacher from each of the following fields: English, Math, Science, and Social Studies. Each student is strategically placed in a team. Placement does not depend on ability level or performance. Teaming helps form a cohesive bond between students and teachers. During the year, your child's team will discuss his/her progress and implement a variety of strategies to ensure success. The team is also readily available to discuss issues as they arise.

Advisory

Every day, students will participate in an advisory period. They will use this time to engage in STEAM activities and SEL and Career lessons from the School Counseling Department. They also will have time to plan and organize their week by checking grades and Google classroom assignments and work with teachers for extra help. Students will be encouraged to analyze their academic data and reflect on what they are doing well and what they need to work on.

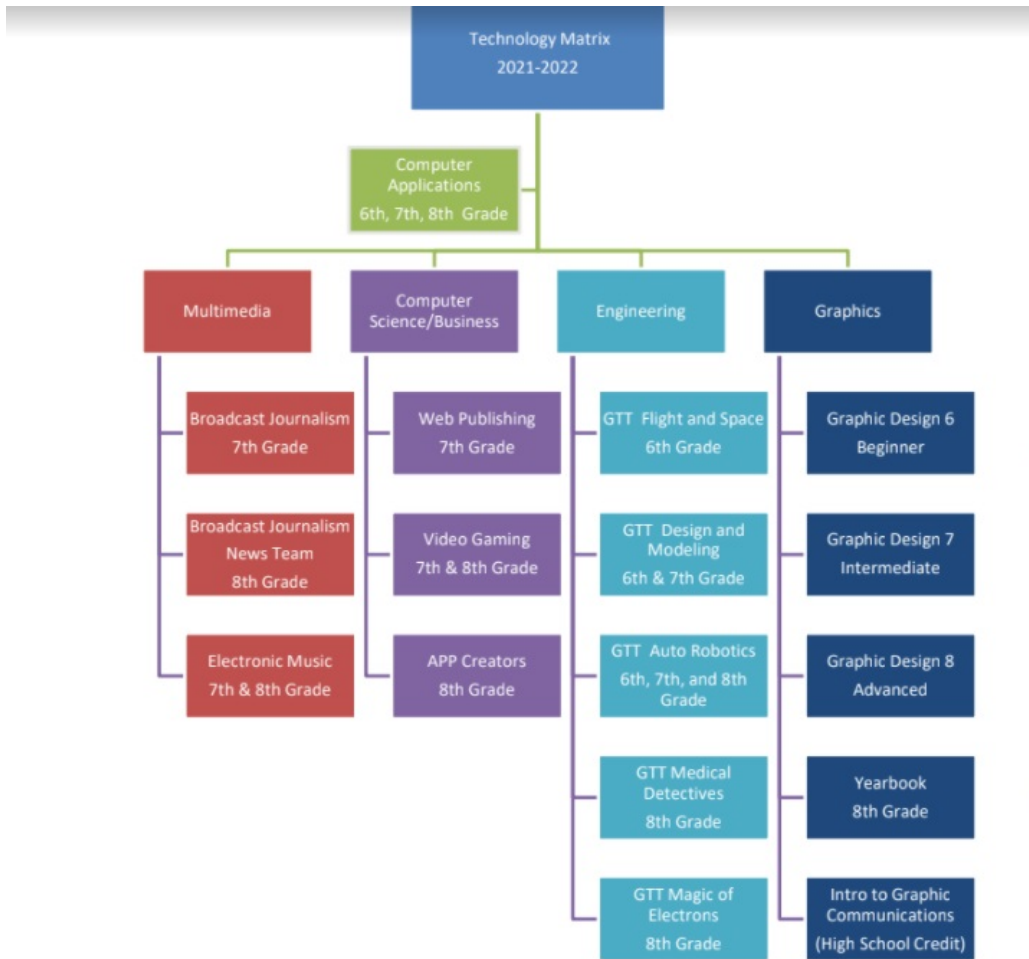
Magnet Focus

We are a magnet school for Science, Technology, and Partial Spanish Immersion. We implement a STEAM curriculum and offer tracks of study in both technology and Spanish Immersion as part of our magnet program. Details of each path are included.

STEAM

In an effort to close the gap between what the corporate world needs in their workforce and how we educate our children, Hughes Academy of Science and Technology has implemented STEAM (Science, Technology, Engineering, Arts, Math). STEAM is a philosophy that provides students a project based learning experience. Students and teachers work together using the South Carolina state standards to incorporate multiple disciplines to provide solutions to real world issues. We are developing our own unique STEAM projects for the students of Hughes Academy to provide an enriching and relevant learning experience. Our STEAM units are aimed at breaking the barriers of traditional individualized subject centered classes and creating cross-curricular, real world lessons with a project based core. Through creating integrated units, our teachers facilitate learning environments that are fluid, dynamic, and relevant to solving problems of today and tomorrow

Technology



*This matrix is a suggested track of study based on technology interests of individual students. There are no prerequisites for any course. Please see individual blocks for specific grade level requirements.

2021 – 2022 Spanish Partial Immersion Program

This program is for Blythe Academy students, students from Spanish partial/full immersion schools, or native speakers. Students that did not attend the Blythe Academy of Languages Partial Immersion Program will be asked to take a brief target language screening to determine acceptance.

6 th Graders will take:	7 th Graders will take:	8 th Graders will take:
Spanish Language Arts	Honors Spanish Language Arts (Spanish I honors high school credit)	Honors Spanish Language Arts (Spanish II honors high school credit)
Social Studies in English	Social Studies in Spanish	Social Studies in Spanish
English GT or Literature Studies	English GT or Literature Studies	English I Honors or Lit/Lang Arts
Science	Science	Science
Math	Math	Math
Elective #1	Elective #1	Elective #1
Elective #2	Elective #2	Elective #2

***7th and 8th grade Social Studies Support in English is provided daily from 3:15 to 3:40.**

Language Partial Immersion Goals for Greenville County:

1. Bilingualism and Bi-Literacy: Students develop a high level of oral and written proficiency in the target language and English.
2. Academic Excellence: Students achieve academic excellence in all subjects.
3. Interculturality: Students demonstrate the ability to behave in culturally appropriate ways when interacting with people and within the cultures of the languages studied.

Program Model for Middle School Partial Immersion in Greenville County

Blythe Academy currently employs a 50/50 model in which students spend 50% of the school day learning math, science, and skills in the second language. The target language is used 50% of the school day. At the middle school level, this partial immersion model will continue with two courses: Spanish Language Arts and Social Studies in Spanish. **In order to maintain program integrity, 6th grade students must be enrolled in Spanish Language Arts for an extended period of time and our 7th and 8th graders must take both Honors Spanish Language Arts and Social Studies in Spanish.** To be a part of the Partial Immersion Program, your child must be enrolled in both classes at the 7th and 8th grade levels.

Due to Covid—Virtual students accepted into our program will take a brief target language screening. For more details about Covid and the Immersion Pathway – see the district letter by Greenville County Schools... https://docs.google.com/document/d/15LMTZrweTyU6qu8rC_Yu16gfsIArA16tDC8pLgEBuA/edit?usp=sharing

Critical Features of the Hughes Partial Immersion Program: Opportunities: Parent Involvement Parent Meetings Highly Effective Academic Standards Fieldtrips Strong Leadership Guest Speakers Student Centered Dance Performances Language Instruction Integrated with Academics Bilingualism and Bi-Literacy



Hughes Academy Scheduling Card - 7th Grade

Student Name _____

Homeroom _____

Parent's Phone/Email _____

Welcome to the 2021-2022 School Year at Hughes Academy!

Core Classes

Below are the courses that your teachers recommend for your 7th grade school year at Hughes. These are what will be selected in the registration portal. If you or your parent have questions, please contact Mrs. Torlay and your teacher.

- English :
- Math :
- Science : Science 7
- Social Studies :

PE/Health – Every student must take a semester of PE every school year. This is a related arts course. Please choose one option below:

- _____ PE/Health 7
- _____ Life Fitness

Related Arts Classes

Please select your classes in one of the two combinations: 1 yearlong & 1 semester class OR 3 semester classes.

Please be aware that we are currently planning for a "normal" school year. However, due to COVID unforeseen staffing changes and/or low student requests, some related arts classes may not be offered.

Yearlong Course (Full Year Course)

_____ Beginner's Strings

Teacher Recommendation Full Year Courses

- _____ Band (need to already be in Band)
- _____ Strings (need to already be in Strings)

Alternate Choices

These classes should be different from the classes that you have already selected.

Please pick 3 classes from the list above as your alternates. If you do not do this, you will be placed in classes that fit your schedule and have available space.

1. _____
2. _____
3. _____

Semester Courses (Half Year Course)

- _____ Art
- _____ Computer Apps
- _____ GTT Design & Modeling
- _____ GTT Auto Robotics
- _____ Graphic Art and Design
- _____ Home Arts
- _____ Electronic Music
- _____ Skill Building (Hands-on Science)
- _____ Web Publishing
- _____ Beginner's Spanish

Teacher Recommendation Semester Courses

In order to register for the classes below, you will have to fill out an application online found on the Hughes Academy Counselor's website.

- _____ Media Center Aide
- _____ Guidance Aide
- _____ Service Learning
- _____ Broadcast Journalism
- _____ Video Gaming
- _____ Drama

Have questions? Please visit the Hughes Academy School Counseling Website at <https://sites.google.com/greenvilleschools.us/hughescounselingdepartment> For helpful power points, videos and dates for registration.



Hughes Academy Scheduling Card - 8th Grade

Student Name _____

Homeroom _____

Parent's Phone/Email _____

Welcome to the 2021-2022 School Year at Hughes Academy!

Core Classes

Below are the courses that your teachers recommend for your 7th grade school year at Hughes. These are what will be selected in the registration portal. If you or your parents have questions, please contact Mrs. Tenholder and your teacher.

- English :**
- Math :**
- Science : Science 8**
- Social Studies :**

PE/Health – Every student must take a semester of PE every school year. This is a related arts course. Please choose one option below:

- PE/Health 8
- Life Fitness

Related Arts Classes

Please select your classes in one of the two combinations: **1 yearlong & 1 semester class OR 3 semester classes.**

****Please be aware that we are currently planning for a "normal" school year. However, due to COVID, unforeseen staffing changes and/or low student requests, some related arts classes may not be offered.****

Yearlong Course (Full Year Course)

- Spanish 1 CP (Foreign Language High School Credit)
- Graphic Arts (High School Credit)

Teacher Recommendation Full Year Courses

- Band (need to already be in Band)
- Band 1 H (HS Credit)
- Strings (need to already be in Strings)
- Orchestra 1 H (HS Credit)

In order to register for the classes below, you will have to fill out an application online found on the Hughes Academy Counselor's website.

- Drama
- Art 1 (Fine Arts High School Credit)
- Broadcast Journalism

Semester Courses (Half Year Course)

- General Music (ukulele)
- Art
- GTT Green Architecture
- GTT Magic of Electrons
- GTT Medical Detectives
- Graphic Art and Design
- Electronic Music
- Home Arts
- Computer Apps
- Web Publishing

Teacher Recommendation Semester Courses

In order to register for the classes below, you will have to fill out an application online found on the Hughes Academy Counselor's website.

- Media Center Aide
- Guidance Aide
- Service Learning
- Video Gaming
- Mobile Apps
- Yearbook

Alternate Choices

These classes should be different than the classes that you have already selected.

Please pick 3 classes from the list above as your alternates. If you do not do this, you will be placed in classes that fit your schedule and have available space.

- 1. _____
- 2. _____
- 3. _____

Have questions? Please visit the Hughes Academy School Counseling Website at

<https://sites.google.com/greenvilleschools.us/hughescounselingdepartment>

For helpful power points, videos and dates for registration.

Course Descriptions

English

Title: English Studies 7th
Unit Credit: 0
Grade Level: 7

Course Number: 20013100

English Studies 7 is designed to prepare students for College and Career readiness as required by the South Carolina State Standards. The curriculum exposes students to a variety of genres, both literary and informational. Placement recommendations: Successful completion of grade 6

Title: English GT 7th
Unit Credit: 0
Grade Level: 7

Course Number: 20013200

This course is designed to meet the needs of academically gifted and talented students who were identified through the standard measures implemented by The School District of Greenville County. The curriculum designed specifically for this course meets the guidelines set forth by the South Carolina State Department of Education as criteria for Gifted and Talented instruction. Students should expect to find the curriculum challenging in a number of ways: text complexity, analytical writing, problem solving, creative endeavors, and accelerated pace. PREREQUISITE: Identified as GTA (Gifted and Talented Academic).

Title: English Studies 8th
Unit Credit: 0
Grade Level: 8

Course Number: 20013800

English Studies 8 is designed to prepare students for College and Career readiness as required by the South Carolina State Standards. The curriculum exposes students to a variety of genres, both literary and informational. Placement recommendations: Successful completion of grade 7

Title: Reading Assistance 7th
Unit Credit: 0
Grade Level: 7

Course Number: 20241300

This course offers students remediation and additional assistance in reading skills in support of on grade level instruction in the regular Language Arts and/or Literature classroom. PREREQUISITE: Guidance Placement

Title: Reading Assistance 8th
Unit Credit: 0
Grade Level: 8

Course Number: 20243500

This course offers students remediation and additional assistance in reading skills in support of on grade level instruction in the regular Language Arts and/or Literature classroom. PREREQUISITE: Guidance Placement

Title: Speech and Drama 7th
Unit Credit: 0
Grade Level: 7

Course Number: 20991000

This course is for students who are interested in improving their interpersonal communication skills and who wish to increase their confidence in delivering oral presentations. Instruction will encompass dramatic skills required for oral interpretation of standards-based literature. PREREQUISITE: None

Title: Speech and Drama 8th
Unit Credit: 0
Grade Level: 8

Course Number: 20991200

This course is for students who are interested in improving their interpersonal communication skills and who wish to increase their confidence in delivering oral presentations. Instruction will encompass dramatic skills required for oral interpretation of standards-based literature. PREREQUISITE: None

Title: Broadcast Journ 7th
Unit Credit: 0
Grade Level: 7

Course Number: 20991800

In this course, students study journalism in a television broadcast setting. Study includes review of principles of journalism, writing, camera technique, research and interviewing, culminating in regular production of actual programming for in-school television and community viewing. PREREQUISITE: Teacher Recommendation

Title: Journalism 8th
Unit Credit: 0
Grade Level: 8

Course Number: 20994000

In this class, students plan, write, and publish the student newspaper. Students understand, practice, and learn strategies necessary to generate ideas, report, and write stories. They conduct research, interview, prioritize information, and master editing and proofreading skills. In addition, students analyze the journalism Code of Ethics and identify common photojournalism practices. PREREQUISITE: Teacher Recommendation

Title: Yearbook 8th
Unit Credit: 0
Grade Level: 8

Course Number: 20994100

The main purpose of this class is to produce the yearbook for the school. In fulfilling this goal, many skills are introduced and/or developed. Organization, self-motivation, precise writing, and time management are major elements of this class. Computer skills, photography skills, and interpersonal skills are also key in the production of the yearbook. Students do not need to come into this class with these skills fully developed, but they do need to have the desire to develop them. PREREQUISITE: Teacher Recommendation and application process

Title: Broadcast Journ 8th
Unit Credit: 0
Grade Level: 8

Course Number: 20994500

In this course, students study journalism in a television broadcast setting. Study includes review of principles of journalism, writing, camera technique, research and interviewing, culminating in regular production of actual programming for in-school television and community viewing. PREREQUISITE: Teacher Recommendation

Title: English 1 Hon
Unit Credit: 1
Grade Level: 8 - 12

Course Number: 302403HW

English 1 Honors is a course for academically gifted students who have the ability to pursue an accelerated English program. These students may be preparing for Advanced Placement English - college level courses - in high school; therefore, the coursework will reflect more rigor than English I CP. Note: This course carries Honors GPA weighting. Prerequisites: High level of performance in reading and writing skills, ability to think critically and demonstrated enthusiasm for language arts, and/or teacher recommendation. All GTA identified students should enroll in the GT or Honors level course

Math

Title: Math 7
Unit Credit: 0
Grade Level: 7

Course Number: 21100500

The emphasis in this standards-based seventh-grade course is on algebraic thinking and on extending the understanding of the real number system to include integers, rational numbers, and irrational numbers. Students will investigate applications of number theory and will acquire skills in adding, subtracting, multiplying, and dividing integers. Students will solve applied problems by using one-step equations and inequalities, percents, and proportional reasoning. Students will develop algebraic thinking by analyzing patterns to discover relationships, by representing information through symbolic, graphical, and tabular methods, and by identifying relationships that are linear. Throughout the course there is an emphasis on the SCCR mathematical process standards of problem-solving, communication, reasoning, representations, and connections. PREREQUISITE: Math 6

Title: Math 8
Unit Credit: 0
Grade Level: 8

Course Number: 21100700

This standards-based eighth grade course places strong emphasis on applications of the mathematical concepts and skills related to decimals, fractions, percents, and integers to solving a variety of real-world problems. In addition, students will extend their understanding of the concepts proportion and measurement and apply this knowledge in problem-solving situations. Students will further develop their algebraic thinking by investigating the merits and limitations of graphical, symbolic, tabular, and verbal representations of relationships. Throughout the course there is an emphasis on the SCCR mathematical process standards of problem-solving, communication, reasoning, representations, and connections. PREREQUISITE: Math 7

Title: Math 7/8
Unit Credit: 0
Grade Level: 7 - 8

Course Number: 21102000

This standards-based course places strong emphasis on applications of the mathematical concepts and skills related to decimals, fractions, percents, integers, rational and irrational numbers to solving a variety of real-world problems. In addition, students will extend their understanding of the concepts proportion and measurement and apply this knowledge in problem-solving situations. Students will further develop their algebraic thinking by investigating the merits and limitations of graphical, symbolic, tabular, and verbal representations of relationships. Throughout the course there is an emphasis on the SCCR mathematical process standards of problem-solving, communication, reasoning, representations, and connections. PREREQUISITE: Must meet district criteria including Teacher recommendation

Title: Algebra 1 Hon
Unit Credit: 1
Grade Level: 7 - 12

Course Number: 411402HW

Algebra 1 Honors students will study all of the topics included in CP Algebra 1. They will also study additional topics including step functions, transformations of absolute value functions, factoring quartic expressions in quadratic form, translating a quadratic function into vertex form, and sequences as functions. The SCCCR mathematical process standards apply throughout the course and, along with content standards prescribe that students experience math as a coherent, useful, and logical subject. **PREREQUISITE:** Math 6/7/8, or Math 7/8, or Math 8; District Criteria; Math Teacher Recommendation

Title: Geometry Hon
Unit Credit: 1
Grade Level: 8 - 12

Course Number: 412202HW

Geometry Honors students study all of the topics included in CP Geometry. Honors students will study additional topics including truth tables, triangle centers, Euler's line, Law of Sines, Law of Cosines, and Cavalieri's Principle. The SCCCR mathematical process standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. **PREREQUISITE:** Algebra 1; District Criteria; Math Teacher Recommendation

Science

Title: Science 7
Unit Credit: 0
Grade Level: 7

Course Number: 22211300

The focus of science in seventh grade is to provide students with inquiry based experiences that develop science concepts in the following areas: Cells and Heredity-structure and function of cells and heredity; Human Systems and Disease-functions and interconnections within the human body and breakdown of these functions due to disease; Ecology-the Biotic and Abiotic Environment-interactions and responses between biotic and abiotic components and organisms; and Chemical Nature of Matter-classifications, properties and changes in matter. **PREREQUISITE:** Successful completion of previous grade or science course

Title: Science 8
Unit Credit: 0
Grade Level: 8

Course Number: 22513500

The focus for science in eighth grade is to provide students with inquiry based experiences that develop science concepts in the following areas: Earth's Biologic History-Earth's biologic diversity over time; Structure and Process in Earth System-materials and processes that alter the structure of Earth; Astronomy-characteristics, structure, and motions of celestial bodies in the universe; Forces and Motion-effects of forces on the motion of an object; and, Waves-properties and behaviors of waves. **PREREQUISITE:** Successful completion of previous grade or science course

Social Studies

Title: Social Studies 7
Unit Credit: 0
Grade Level: 7

Course Number: 23101300

Seventh grade social studies continues the study of world cultures with a focus on the changes that have occurred in Europe, Africa, Asia, and the Americas from 1600 to the present. Students examine the history, geography, and continuing changes in political and economic ideas that have shaped the world in which we live today. Students also address the growing interaction among societies developing concurrently during this period, including the exchange of ideas, beliefs, technologies, and commodities. Instruction should emphasize the elements of social studies literacy, the tools, strategies, and perspectives necessary for understanding how history, geography, economics and government are interwoven. **PREREQUISITE:** Successful completion of previous grade or course

Title: SC/US History 8
Unit Credit: 0
Grade Level: 8

Course Number: 23203500

Eighth grade social studies focuses on the story of the history of South Carolina and the role that the state and its people have played in the development of the United States as a nation. Students learn about the state's development during colonial times and the growth of the American ideal which led to the break with England, the rising controversy about slavery, and the Civil War. The study of the rebuilding of South Carolina after the Civil War and the continuing struggle for civil rights and justice waged by the people of South Carolina allows students to see the progress that the state has made and to appreciate the contributions that its people have made to the nation as a whole. Students also learn about the major political, economic, and social changes in South Carolina through the twentieth century and to the present in the context of national and worldwide events. Instruction should emphasize the elements of social studies literacy, the tools, strategies, and perspectives necessary for understanding how history, geography, economics and government are interwoven in our state's history. **PREREQUISITE:** Successful completion of previous grade or course

Arts

Title: Art 7th Beginning

Unit Credit: 0

Grade Level: 7

Students will develop creative-thinking and problem-solving skills as they observe the world around them. They will explore and produce artwork including drawing, painting, printmaking, sculpture, arts, and crafts. A study of artists and their work will help students understand the techniques, skills, and diverse intentions of artists from many cultures and times. PREREQUISITE: None

Course Number: 25011600

Title: Art 8th Beginning

Unit Credit: 0

Grade Level: 8

Students will refine their ability to communicate visually, manage a wide range of tools and materials, and achieve quality, style, and craftsmanship in drawing, painting, printmaking, sculpture, and crafts. Students will have opportunities for evaluating and critiquing their own and other students' artwork as well as studying artists and analyzing their work. PREREQUISITE: None

Course Number: 25014100

Title: Band 7th

Unit Credit: 0

Grade Level: 7

This course is a continuation of Band 6 for brass, woodwind, and percussion instruments. Intermediate-level middle school literature will be studied. The curriculum includes the development of fundamental skills, concepts, composition, cooperative learning, music as it relates to history and culture, and band techniques. The class will include an expectation for the purchase or rental of an instrument and individual practice at home. Concert performances will be an outgrowth of the study of musical concepts. PREREQUISITE: Band 6 or permission of instructor

Course Number: 25311300

Title: Band 8th

Unit Credit: 0

Grade Level: 8

This course is a continuation of Band 7 for brass, woodwind, and percussion instruments. Advanced-level middle school literature will be studied. The curriculum includes the development of fundamental skills, concepts, composition, cooperative learning, music as it relates to history and culture, and band techniques. The class will include an expectation for the purchase or rental of an instrument and individual practice at home. Concert performances will be an outgrowth of the study of musical concepts. PREREQUISITE: Band 7 or permission of instructor

Course Number: 25313500

Title: Strings 7th

Unit Credit: 0

Grade Level: 7

This course is a continuation of Strings 6 for violin, viola, cello, and string bass. Intermediate-level middle school literature will be studied. The curriculum includes the development of fundamental skills, concepts, composition, cooperative learning, music as it relates to history and culture, and strings techniques. The class will include an expectation for the purchase or rental of an instrument and individual practice at home. Concert performances will be an outgrowth of the study of musical concepts. PREREQUISITE: Strings 6 or permission of instructor

Course Number: 25511300

Title: Strings 8th

Unit Credit: 0

Grade Level: 8

This course is a continuation of Strings 7 for violin, viola, cello, and string bass. Advanced-level middle school literature will be studied. The curriculum includes the development of fundamental skills, concepts, composition, cooperative learning, music as it relates to history and culture, and strings techniques. The class will include an expectation for the purchase or rental of an instrument and individual practice at home. Concert performances will be an outgrowth of the study of musical concepts. PREREQUISITE: Strings 7 or permission of instructor

Course Number: 25513500

Title: General Music 7th

Unit Credit: 0

Grade Level: 7

This is a course providing students with the opportunity to explore musical concepts and further their understanding of music through listening, singing, playing instruments, and engaging in creative activities. PREREQUISITE: None

Course Number: 25611300

Title: General Music 8th

Unit Credit: 0

Grade Level: 8

This is a course providing students with the opportunity to explore musical concepts and further their understanding of music through listening, singing, playing instruments, and engaging in creative activities. PREREQUISITE: None

Course Number: 25613500

Title: Graphic Art & Design 7th
Unit Credit: 0
Grade Level: 7

Course Number: 25991900

The purpose of this course is to challenge the students' problem solving skills through the relationship of images and fonts. Compasses, French curves, protractors and ruler knowledge will be used to solve technical projects manually. The students will also learn the basics of letter formations and typographical formats. Some projects will be enhanced with computer graphics. PREREQUISITE: None

Title: Graphic Art & Design 8th
Unit Credit: 0
Grade Level: 8

Course Number: 25992000

The purpose of this course is to challenge the students' problem solving skills through the relationship of images and fonts. Compasses, French curves, protractors and ruler knowledge will be used to solve technical projects manually. The students will also learn the basics of letter formations and typographical formats. Some projects will be enhanced with computer graphics. PREREQUISITE: None

Title: Graphic Art & Design 7th/8th
Unit Credit: 0
Grade Level: 7 - 8

Course Number: 25996400

The purpose of this course is to challenge the students' problem solving skills through the relationship of images and fonts. Compasses, French curves, protractors and ruler knowledge will be used to solve technical projects manually. The students will also learn the basics of letter formations and typographical formats. Some projects will be enhanced with computer graphics. PREREQUISITE: None

Title: Electronic Music
Unit Credit: 0
Grade Level: 6 - 8

Course Number: 25999600

This semester class will focus on using digital audio workstations (DAWs), along with virtual instruments and effects, for producing music and designing sounds to be used in various applications. There will be heavy focus on production techniques using pre-made instrument samples and arrangements or using the student's own compositions. The class will use computer-based automation software equipped with midi controllers for real-time interactivity and external controlling of production parameters. Students will get a feel for what it would be like to produce music, score film, compose with computers, and work in sound design. PREREQUISITE: None

Title: Art 1
Unit Credit: 1
Grade Level: 7 - 12

Course Number: 350101CW

This introductory course provides students with problem-solving experiences in two and three-dimensional media, stressing design elements (line, shape, form, value, color, space, and texture), and design principles, (proportion, emphasis, harmony/unity, balance, rhythm/movement, contrast repetition/pattern, and variety). Emphasis is on the development of basic skills. PREREQUISITE: None

Title: Instrumental Music Band 1 (H)
Unit Credit: 1
Grade Level: 8 - 12

Course Number: 353127HW

Instrumental Music: Band 1 Honors is a course designed for advanced musicians. Students entering Band 1 Honors must be able to successfully play SCBDA junior level scale and sight reading requirements and concert music ranging from grade 3 to 5. Students will be expected to consistently demonstrate a mature characteristic tone quality on their instrument. Honors band classes are performance based and as a result are directly tied to co-curricular activities. Participation in auditions and concerts out of the regular school day are required. Students enrolled in Instrumental Music: Band 1 Honors will be required to participate in winter and spring concerts, SCBDA Concert Performance Assessment, Greenville All-County Band auditions and clinic, SCBDA Region and All-State Band auditions and clinic, SCBDA Solo and Ensemble and other performances determined by the school Director of Bands.

Title: Orchestra 1 (H)
Unit Credit: 1
Grade Level: 8 - 12

Course Number: 355100HW

Orchestra 1 Honors is a course designed for advanced musicians. Students entering Orchestra 1 Honors must be able to successfully play SCMEA Orchestra Division senior level scales and sight reading requirements and concert music ranging from grade 3 to 4. Students will be expected to consistently demonstrate a mature characteristic tone quality on their instrument. Honors orchestra classes are performance-based and as a result, are directly tied to co-curricular activities. Participation in auditions and concerts out of the regular school day are required. Students enrolled in Instrumental Music: Orchestra 1 Honors will be required to participate in winter and spring concerts, SCMEA Concert Performance Assessment, Greenville All-County Orchestra auditions, Region and All-State Orchestra auditions, SCMEA Solo and Ensemble and other performances determined by the school orchestra director.

Title: Theatre 1 (H)

Course Number: 452100HW

Unit Credit: 1

Grade Level: 8 - 12

This honors level course is designed for the serious-minded theatre student who plans to engage in further instruction in theatre, whether as a performer, scholar, designer, or technician. Students will engage in exploration of theatre practice, performance technique, theatre history and conventions, design and production, and playmaking. Through individual and group research, project-based units, collaborative practice, as well as peer and self-evaluation, students will build foundational awareness of the rigors of theatrical practice, establish a critical vocabulary, and gain a working knowledge of the tenets of the art form throughout history and in contemporary practice.

Title: Art: Graphic Design

Course Number: 455400CW

Unit Credit: 1

Grade Level: 8 - 12

This course provides students with two and three dimensional design and typographical experiences relating to visual communication. Students will learn the history of the field of graphic design. Students will create hands-on art work and do original writing for course projects. The computer is just one of the tools used in this course. Emphasis is on design elements and principles in the production of graphics used to sell, educate, motivate, or inform. Students will conceive and develop original ideas, manipulate photocopied images, and incorporate computer graphics in their designs. PREREQUISITE: Art 2

Foreign Language

Title: Spanish 7 Beginner Level

Course Number: 26501300

Unit Credit: 0

Grade Level: 7

Aligned with the district's vision, philosophy, and goals for world language education, this beginner course introduces students to the second language through high-quality learning experiences. Not only do students gain an understanding of what it means to learn a new language, they also experience progress over time and are likely to be motivated to continue language study. Students learn enough language to ensure that they will not be total beginners when they take another course in the same language. The goal of this course is to develop some language competence. PREREQUISITE: None

Title: Spanish Immersion Social Studies 7th

Course Number: 26504000

Unit Credit: 0

Grade Level: 7

The content, scope/sequence and standards of this course are identical to the English course counterpart. Seventh grade social studies continues the study of world cultures with a focus on the changes that have occurred in Europe, Africa, Asia, and the Americas from 1600 to the present. Students examine the history, geography, and continuing changes in political and economic ideas that have shaped the world in which we live today. Students also address the growing interaction among societies developing concurrently during this period. This course is conducted entirely in Spanish. PREREQUISITE: Successful completion of Spanish Language Arts 6 and successful completion of previous social studies course

Title: Spanish Immersion Social Studies 8th

Course Number: 2650A000

Unit Credit: 0

Grade Level: 8

This class is conducted entirely in Spanish. The focus for social studies in grade eight is the story of the history of South Carolina and the role that the state and its people have played in the development of the United States as nation. Students learn about the states development during colonial times and the growth of the American ideal, which led to the break with England, the rising controversy about slavery, and the Civil War. The study of the rebuilding of South Carolina after the Civil War and the continuing struggle for civil rights and justice waged by the people of South Carolina allows students to see the progress that the state has made and to appreciate the contributions that its people have made to the nation as a whole. Prerequisite: Successful completion of previous Spanish Immersion Social Studies course or demonstrated performance at the Intermediate level of Spanish language proficiency.

Title: Spanish 1 CP

Course Number: 365107CW

Unit Credit: 1

Grade Level: 7 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: None

Title: Spanish Language Arts 8th Honors

Course Number: 3699A6HW

Unit Credit: 1

Grade Level: 8

The course aims to further develop students' linguistic and cultural competencies in Spanish across a broad range of subjects. Students will comprehend more complex authentic texts in the target language, produce paragraph-level speech and writing consisting of interconnected sentences, and communicate in major time frames with more accuracy. Upon course completion, students are expected to perform at the Intermediate High proficiency level. This course is conducted entirely in Spanish. PREREQUISITE: Successful completion of Spanish Language Arts 7 or demonstration of equivalent level of language proficiency.

Physical Education

Title: PE/Health 7th
Unit Credit: 0
Grade Level: 7

Course Number: 2460A100

Enrollment in this course fulfills the state law requiring 9 weeks of health education every year for all students in grades 6 - 8. Course content focuses on teaching students the information and the skills needed to become health literate, maintain and improve personal health, prevent disease, and reduce health-related risk behaviors as outlined in the SC Health and Safety Curriculum Standards. The course also focuses on evaluating, advocating, and coordinating valid resources and services to meet the needs of students, families, and communities. Course content areas include Personal Health and Wellness, Nutritional Choices, Mental Health, Preventing Injuries, Family Living, and Alcohol, Tobacco and Other Drugs. PREREQUISITE: None

Title: PE/Health 8th
Unit Credit: 0
Grade Level: 8

Course Number: 2460A200

Enrollment in this course fulfills the state law requiring 9 weeks of health education every year for all students in grades 6 - 8. Course content focuses on teaching students the information and the skills needed to become health literate, maintain and improve personal health, prevent disease, and reduce health-related risk behaviors as outlined in the SC Health and Safety Curriculum Standards. The course also focuses on evaluating, advocating, and coordinating valid resources and services to meet the needs of students, families, and communities. Course content areas include Personal Health and Wellness, Nutritional Choices, Mental Health, Preventing Injuries, Family Living, and Alcohol, Tobacco and Other Drugs. PREREQUISITE: None

Career and Technology

Title: Computer Applications
Unit Credit: 0
Grade Level: 7 - 8

Course Number: 27022000

This course is designed to introduce students to software applications that are necessary to live and work in a technological society. The applications covered include word processing, database, spreadsheet, and presentation.

Title: GTT8 App Creators
Unit Credit: 0
Grade Level: 8

Course Number: 27821000

This unit will expose students 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.

Title: GTT8 Magic of Electrons
Unit Credit: 0
Grade Level: 8

Course Number: 27871000

In this unit, students examine the behavior and parts of atoms as well as the impact of electricity on the world around them. They learn skills in basic circuitry design and use what they know to propose designs such as a burglar alarm for an art museum.

Title: Introduction to Health Professions
Unit Credit: 0
Grade Level: 7 - 8

Course Number: 28392000

This course provides students with an introduction to many healthcare careers and the safety procedures and interpersonal communication skills required for them. The course will enable students to receive initial exposure to healthcare science skills; attitudes applicable to healthcare including the concepts of health, wellness, and preventative care; and responsibilities of today's healthcare provider.

Title: GTT7DesignModel
Unit Credit: 0
Grade Level: 7

Course Number: 28411300

This unit uses solid modeling (a very sophisticated mathematical technique for representing solid objects) to introduce students to the design process. Utilizing this design approach, students understand how solid modeling has influenced their lives. Students also learn sketching techniques, and use descriptive geometry as a component of design, measurement, and computer modeling. Using design briefs or abstracts, students create models and documentation to solve problems. PREREQUISITE: Teacher Recommendation

Title: GTT7 AutoRobotics
Unit Credit: 0
Grade Level: 7 - 8

Course Number: 28412500

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. PREREQUISITE: Teacher Recommendation

Title: GTT7 Medical Detectives

Course Number: 28415000

Unit Credit: 0

Grade Level: 7 - 8

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.

Title: GTT Green Architecture

Course Number: 28417000

Unit Credit: 0

Grade Level: 6 - 8

Today's students have grown up in an age of green choices. In this course, 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.

Title: Intro Graphic Comm

Course Number: 520501CW

Unit Credit: 1

Grade Level: 7 - 12

The competencies in this area require that students have an overall understanding of the industry and its major operations and have the fundamental measurement, math, and interpersonal skills needed for starting a career. The competencies are broken into 11 subsections. All competencies are theory-based and require the students to list, describe, identify, and/or calculate production-related issues, rather than actually demonstrate performance. PREREQUISITE: None

Miscellaneous

Title: Life Fitness 7th

Course Number: 24991500

Unit Credit: 0

Grade Level: 7

Life Fitness is a related arts class taught through the physical education department. It focuses on nutrition, exercise, along with cardiovascular and strength building activities. The purpose of the class is to encourage habits that lead to healthy, active adult life. PREREQUISITE: None

Title: Exploratory PE 8th

Course Number: 24993500

Unit Credit: 0

Grade Level: 8

This course provides students with the opportunity to explore and learn information and skills in the other areas of physical education. PREREQUISITE: Student must have had PE/Health 8. This course cannot be used as their PE requirement.

Title: Life Fitness 8th

Course Number: 24993700

Unit Credit: 0

Grade Level: 8

Life Fitness is a related arts class taught through the physical education department. It focuses on nutrition, exercise, along with cardiovascular and strength building activities. The purpose of the class is to encourage habits that lead to healthy, active adult life. PREREQUISITE: None

Title: Computer Tech 7

Course Number: 27011300

Unit Credit: 0

Grade Level: 7

This course provides the student an opportunity to work with word processing, spreadsheets, and PowerPoint presentations. PREREQUISITE: Keyboarding

Title: Computer Tech 8

Course Number: 27013500

Unit Credit: 0

Grade Level: 8

This course provides the student an opportunity to work with word processing, spreadsheets, and PowerPoint presentations. PREREQUISITE: Keyboarding

Title: Exploratory 7

Course Number: 27019200

Unit Credit: 0

Grade Level: 7

This course provides students with the opportunity to explore and learn information and skills that will enhance their academic and personal lives in middle school. PREREQUISITE: None

Title: Exploratory 8
Unit Credit: 0
Grade Level: 8

Course Number: 27019500

This course provides students with the opportunity to explore and learn information and skills that will enhance their academic and personal lives in middle school. PREREQUISITE: None

Title: Study Topics 7th
Unit Credit: 0
Grade Level: 7

Course Number: 27991600

This course focuses on skills that students need to make better and more efficient use of study time. Students will actively engage in learning time management skills, study techniques, organizational skills, and test-taking strategies to strengthen their performance in the classroom. PREREQUISITE: None

Title: Skill Building 7th
Unit Credit: 0
Grade Level: 7

Course Number: 27991700

This course focuses on skills that students need to make better and more efficient use of study time. Students will actively engage in learning time management skills, study techniques, organizational skills, test-taking strategies, as well as other topics that will strengthen their performance in the classroom. PREREQUISITE: None

Title: ESOL 7th
Unit Credit: 0
Grade Level: 7

Course Number: 27991900

This course is designed for the student who has a primary language other than English, and is not proficient in listening, speaking, reading, writing, or comprehension in the English speaking classroom. Instruction will be provided in the areas of listening, speaking, reading, writing, and comprehension to assist students in classrooms where English is the language of instruction. Students will receive skills to aid in the transition to all academic areas, as well as help in the preparation for middle school formal tests. Limited English proficiency should be determined by an approved language assessment instrument. PREREQUISITE: Guidance Placement

Title: Service Learning
Unit Credit: 0
Grade Level: 6 - 8

Course Number: 27993900

Service Learning is designed for participants to learn and develop through active participation in thoughtfully organized service experiences that meet community needs through a collaboration between the school and community. It provides students with opportunities to use newly acquired skills and knowledge in real-life situations in their own communities. The course emphasizes essential life skills such as effective communication, problem solving, goal setting, and teamwork. Students will address real-life problems and make meaningful contributions to the school and community. The emphasis will be on planning, serving, and evaluating. PREREQUISITE: None

Title: Study Topics 8th
Unit Credit: 0
Grade Level: 8

Course Number: 27994000

This course focuses on skills that students need to make better and more efficient use of study time. Students will actively engage in learning time management skills, study techniques, organizational skills, and test-taking strategies to strengthen their performance in the classroom. PREREQUISITE: None

Title: Skill Building 8th
Unit Credit: 0
Grade Level: 8

Course Number: 27994100

This course focuses on skills that students need to make better and more efficient use of study time. Students will actively engage in learning time management skills, study techniques, organizational skills, test-taking strategies, as well as other topics that will strengthen their performance in the classroom. PREREQUISITE: None

Title: ESOL 8th
Unit Credit: 0
Grade Level: 8

Course Number: 27994400

This course is designed for the student who has a primary language other than English, and is not proficient in listening, speaking, reading, writing, or comprehension in the English speaking classroom. Instruction will be provided in the areas of listening, speaking, reading, writing, and comprehension to assist students in classrooms where English is the language of instruction. Students will receive skills to aid in the transition to all academic areas, as well as help in the preparation for middle school formal tests. Limited English proficiency should be determined by an approved language assessment instrument. PREREQUISITE: Guidance Placement

Title: Home Arts 7th

Course Number: 27997200

Unit Credit: 0

Grade Level: 7

This is an activity-oriented, hands-on class that introduces basic sewing and cooking skills as well as other home arts to the middle school student.

PREREQUISITE: None

Title: Home Arts 8th

Course Number: 27997500

Unit Credit: 0

Grade Level: 8

This is an activity-oriented, hands-on class that introduces basic sewing and cooking skills as well as other home arts to the middle school student.

PREREQUISITE: None

Title: Web Publishing

Course Number: 27999300

Unit Credit: 0

Grade Level: 7 - 8

Students design and publish web content using html skills and WYSIWYG editors such as Microsoft Frontpage. **PREREQUISITE:** None

Title: Academic Literacy 7th-8th

Course Number: 27999600

Unit Credit: 0

Grade Level: 7 - 8

This class will teach strategies and support textbook and print literacy across the curriculum, to include strengthening skills to break down linguistically represented prompts. **PREREQUISITE:** Teacher Recommendation

Title: Video Gaming

Course Number: 27999700

Unit Credit: 0

Grade Level: 7 - 8

Title: Mobile Applications

Course Number: 27999800

Unit Credit: 0

Grade Level: 7 - 8