Discrimination on the basis of sex, race, age, religious belief, disability, national origin, or ethnic group shall be prohibited in all educational programs and activities of the Huntsville City Schools. Huntsville City Schools’ Compliance Director is Ms. Shirley Wellington. Her office is located on the first floor of the Annie C. Merts Administration Building at 200 White Street, Huntsville, Alabama. Telephone number: 256-428-6836.
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INTRODUCTION

Dear Parents/Guardians and Students,

The 2018 - 2019 HCS Middle Grades Course Description Guide has been revised and updated to assist you with course selection process for the upcoming school year. The purpose of this guide is to provide you with the information and resources you need to choose middle grades courses that meet your needs and interests. We encourage you to review course descriptions and pre-requisites to make the best and most informed decision you can when choosing courses.

For quick reference and easy use of the digital Course Description Guide, you can click on a section in the Table of Contents and it will take you directly to that section.

Your school counselor will serve as your point of contact for all things related to course registration and selection. Counselors are provided with the information, materials, and resources to effectively assist students with course selection. Please do not hesitate to reach out to them if you need help or have questions.

We recognize the course selection and registration process is important for students and their families and for our schools. We offer assistance in many forms: classroom guidance activities with students, parent meetings, printed and digital resources, and the annual iRegister – Registration Fair at the VBC. We look forward to working with you as we prepare for the 2018 - 2019 school year.

Sincerely,

Dr. Debi Edwards, Director
Secondary Instruction

Sincerely,

Cedric Delbridge, Coordinator
School Counseling Services
MIDDLE GRADES COURSE DESCRIPTIONS

Art

COURSE PROGRESSION

<table>
<thead>
<tr>
<th>7th Grade</th>
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<tbody>
<tr>
<td>Visual Arts, Grade 7 (286007)</td>
<td>Media Arts (282008)</td>
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<tr>
<td>Visual Arts, Grade 7 (286007ae) (semester)</td>
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COURSE INDEX

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</table>

VISUAL ARTS, GRADE 7 (286007)

VISUAL ARTS, GRADE 7 (286007ae) SEMESTER

This course, through available and digital media technology, allows students to engage in the creative process to produce meaningful media art products. Use of prior skills demonstrates analytical and introspective self-reflection and expression as an outlet for developing media arts productions. Assessment and revision are applied to complex, abstract, and independent thoughts of media arts productions. Students will make informed judgments about quality and improvement of media artworks to make informed conclusions on how people relate to and interpret these works. Creating, producing, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.

MEDIA ARTS, GRADE 8 (282008)

MEDIA ARTS, GRADE 8 (280028ad) SEMESTER

This course, through available and digital media technology, allows students to engage in the creative process to produce meaningful media art products. Use of prior skills demonstrates analytical and introspective self-reflection and expression as an outlet for developing media arts productions. Assessment and revision are made to complex, abstract, and independent thoughts of media arts productions and then applied to communicate independent thoughts through productions, orally and in writing. Students will assess and connect judgments about the quality of media artworks productions to how people relate to and experience these works. Creating, producing, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.
COURSE INDEX

<table>
<thead>
<tr>
<th>Course Name</th>
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<tbody>
<tr>
<td>Career Cluster Exploration, Grade 8 (semester)</td>
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</tbody>
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CAREER CLUSTER EXPLORATION, GRADE 8 (400001) SEMESTER

A course designed for students to explore career opportunities in the 16 clusters and associated pathways. Emphasis is placed on employability and leadership skills.
**COURSE PROGRESSION**

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<tr>
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<td>English Language Arts (200003)</td>
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<td>Journalism 1 (200051aa)</td>
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<td>Reading (100008)</td>
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<td>Journalism 1 (200051ab) (semester)</td>
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<tr>
<td>Reading, Honors (100010)</td>
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| 7th – 8th Grades | | |
|------------------|------------------|
| English for Speakers of Other Languages (300001ab) | English Intervention (200037aa) |
| | Journalism 1 (200051aa) |
| | Journalism 1 (200051ab) (semester) |

**COURSE INDEX**

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<tr>
<td>Journalism 1, Grades 7-8</td>
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<tr>
<td>Journalism 1, Grades 7-8 (semester)</td>
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</table>

**ENGLISH LANGUAGE ARTS, GRADE 6 (100028)**

Reading literature, reading informational text, writing, speaking and listening, and language; capitalization, punctuation, spelling, and vocabulary.

**ENGLISH LANGUAGE ARTS, HONORS, GRADE 6 (100030)**

Advanced work with grade-level standards to include reading literature, reading informational text, writing, speaking and listening, and language; capitalization, punctuation, spelling, and vocabulary.

**ENGLISH FOR SPEAKERS OF OTHER LANGUAGES, GRADE 6 (100191)**

English Language Learners (ELLs) acquire academic language and communicative competence through the implementation of the World-class Instructional Design and Assessment-English Language Proficiency (WIDA-ELP) Standards.
READING, GRADE 6 (100008)
Reading literature, reading informational text; skills acquisition, reading techniques, beginning reading to expanding reading power.

READING, HONORS, GRADE 6 (100010)
Advanced work in skills acquisition, reading techniques, beginning reading to expanding reading power.

READING INTERVENTION, GRADE 6 (100009)
Remedial work reading to include work in fluency, comprehension, and vocabulary.

ENGLISH LANGUAGE ARTS, GRADE 7 (200001)
Reading literature, reading informational text, writing, speaking and listening, and language.

ENGLISH LANGUAGE ARTS, HONORS, GRADE 7 (200002)
Advanced work in reading literature, reading informational text, writing, speaking and listening, and language.

ENGLISH LANGUAGE ARTS, GRADE 8 (200003)
Reading literature, reading informational text, writing, speaking and listening, and language.

ENGLISH LANGUAGE ARTS, HONORS, GRADE 8 (200004)
Advanced work in reading literature, reading informational text, writing, speaking and listening, and language.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES, GRADES 7-8 (300001ab)
English Language Learners (ELLs) acquire academic language and communicative competence through the implementation of the World-class Instructional Design and Assessment-English Language Proficiency (WIDA-ELP) Standards.

ENGLISH INTERVENTION, GRADES 7-8 (200037aa)
Remedial work below grade level in reading literature, reading informational text, writing, speaking and listening, and language.

JOURNALISM 1, GRADES 7-8 (200051aa) YEAR or (200051ab) SEMESTER
Used as Creative Writing. Newspaper study; newspaper production; news information gathering; proofreading; journalistic writing.
NOTE: The Entertainment Technology Academy is available at Hampton Cove Middle and Huntsville Junior High.

COURSE PROGRESSION

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<thead>
<tr>
<th>Course Name</th>
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<th>7th and 8th Grade</th>
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<td>Evolution of Games (400012) (semester)</td>
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<tr>
<td>App Creators™ PLTW (560029) (semester)</td>
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<td>Introduction to Video Game Design (400014) (semester)</td>
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<td>App Creators™ PLTW, Grades 7-8 (semester)</td>
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<tr>
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<td>400014</td>
</tr>
</tbody>
</table>

COMPUTER SCIENCE FOR INNOVATORS AND MAKERS™ PLTW, GRADES 7-8 (560032) SEMESTER

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

APP CREATORS™ PLTW GRADES 7-8 (560029) SEMESTER

App Creators introduces students to the field of computer science and the concepts of computational thinking, through the creation of mobile apps. Students are challenged to be creative and innovative, as they collaboratively design and develop mobile solutions to engaging, authentic problems. Students experience the positive impact of the application of computer science to society as well as other disciplines, particularly biomedical science.

EVOLUTION OF GAMES, GRADE 8 (400012) SEMESTER

This course explains the elements of game design and how games reflect the social, economic, political, and religious elements of a culture. Students will build game prototypes and playtest games.

INTRODUCTION TO VIDEO GAME DESIGN, GRADE 8 (400014) SEMESTER

Students will explore the math and science of how video games are made.
## COURSE PROGRESSION

<table>
<thead>
<tr>
<th><strong>6th Grade</strong></th>
<th><strong>7th Grade</strong></th>
<th><strong>8th Grade</strong></th>
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| Creative Writing, Intro, Grade 6 (802109an)  
  Dance I, Grade 6 (100118)  
  Ballet, Grade 6 (100119aa)  
  Jazz, Grade 6 (100119ab)  
  Tap, Grade 6 (100119ac)  
  Introduction to Dramatic Arts: Stagecraft & Design (802109aq) (semester)  
  Performance (802109ar) (semester)  
  Clowns (100119ad)  
  Media Arts I Fall, Grade 6 (100307ab) (semester)  
  Media Arts II Spring, Grade 6 (100307aa) (semester)  
  2-D Art and Design, Grade 6 (100088aa) (semester)  
  3-D Art and Design, Grade 6 (100088ab) (semester)  
  Portfolio Arts I Fall, Grade 6 (100088ac) (semester)  
  Portfolio Arts II Spring, Grade 6) (100088ad) (semester)  
  Mixed Chorus I (283600)  | Creative Writing I (802109as)  
  Creative Writing II (802109at)  
  Dance I, Grade 7 (281007)  
  Dance II, Level II, Grade 7 (281007ad)  
  Dance III, Level III, Grade 7 (281007ae)  
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  Tap, Grade 7 (281007ac)  
  Introduction to Dramatic Arts: Stagecraft & Design (802109aq) (semester)  
  Performance (802109ar) (semester)  
  Drama I, Grade 8 (285007aa)  
  Drama II, Grade 8 (285007ab)  
  Technical Theatre I, Grade 7 (285007ac)  
  Technical Theatre II, Grade 7 (285007ad)  
  Graphic Arts, Grade 7 (282007)  
  Media Arts I Fall, Grade 7 (282007ab) (semester)  
  Media Arts II Spring, Grade 7 (282007aa) (semester)  
  2-D Art and Design (286007aa) (semester)  
  3-D Art and Design (286007ab) (semester)  
  Portfolio Arts I Fall, Grade 7 (286007ac) (semester)  
  Portfolio Arts II Spring, Grade 7 (286007ad) (semester)  
  Digital Photography, Grade 7 (286007af)  
  Mixed Chorus II (283700)  
  Mixed Chorus III (283800)  
  Show Choir (283605)  
  STARS (283605aa)  | Creative Writing I (802109as)  
  Creative Writing II (802109at)  
  Dance I, Grade 8 (281008)  
  Dance II, Level II, Grade 8 (281008ad)  
  Dance III, Level III, Grade 8 (281008ae)  
  Ballet, Grade 8 (281008ab)  
  Jazz, Grade 8 (281008ac)  
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  Drama II, Grade 8 (285008ab)  
  Technical Theatre I, Grade 8 (285008ac)  
  Technical Theatre II, Grade 8 (285008ad)  
  Graphic Arts, Grade 8 (282008)  
  Media Arts I Fall, Grade 8 (282008ab) (semester)  
  Media Arts II Spring, Grade 8 (282008aa) (semester)  
  2-D Art and Design (286008aa) (semester)  
  3-D Art and Design, Grade 8 (286008ab) (semester)  
  Portfolio Arts I Fall, Grade 8 (286008ac) (semester)  
  Portfolio Arts II Spring, Grade 8 (286008ad) (semester)  
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  STARS (283605aa) |
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<tr>
<td>STARS, Grades 7-8</td>
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</table>
Creative Writing:

**CREATIVE WRITING, INTRO, GRADE 6 (802109an)**
This course introduces young writers to the basic elements of each genre, focusing on poetry and fiction.

**CREATIVE WRITING I, GRADES 7-8 (802109as)**
This is a non-audition course. Classroom work includes voluminous reading, writing original poetry and prose, individual conferences with instructor after close readings and analyses of original work and classroom discussion groups that both encourage and support the creative process.

**CREATIVE WRITING II, GRADES 7-8 (802109at)**
This is a select course for serious student writers. Students are expected to grow as writers and readers as they move through the curriculum, developing, and polishing their craft from semester to semester. Students have the opportunity to prepare a portfolio of original work and to publish for outside audiences.

Dance:

**DANCE I, GRADE 6 (100118)**
**DANCE I, GRADE 7 (281007)**
**DANCE I, GRADE 8 (281008)**
This is a non-audition class. Elements of dance and movement—time, space, and energy; movement safety; analyze and solve movement problems; improvisation; dance compositions; integrated studies; criticism; history.

**BALLET, GRADE 6 (100119aa)**
**BALLET, GRADE 7 (281007aa)**
**BALLET, GRADE 8 (281008aa)**
Students will study the techniques of movement and dance through ballet. Students must have previously taken Dance I or be able to demonstrate the fundamentals of ballet with teacher recommendation.

**JAZZ, GRADE 6 (100119ab)**
**JAZZ, GRADE 7 (281007ab)**
**JAZZ, GRADE 8 (281008ab)**
Students will study the techniques of movement and dance through jazz. Students must have previously taken Dance I or be able to demonstrate the fundamentals of jazz with teacher recommendation.

**TAP, GRADE 6 (100119ac)**
**TAP, GRADE 7 (281007ac)**
**TAP, GRADE 8 (281008ac)**
Students will study the techniques of movement and dance through tap. Students must have previously taken Dance I or be able to demonstrate the fundamentals of ballet with teacher recommendation.
DANCE II, LEVEL II, GRADE 7 (281007ad)
DANCE II, LEVEL II, GRADE 8 (281008ad)

This is a non-audition course. Students will study the elements dance and movement: time, space, and energy. Basic concepts of approaching work on the concert stage will be taught. Students must have previously taken Dance I or be able to demonstrate the fundamentals of jazz and ballet with teacher recommendation.

DANCE III, LEVEL II, GRADE 7 (281007ae)
DANCE III, LEVEL II, GRADE 8 (281008ae)

This is an audition based course for students who have mastered the basic fundamentals of dance. Students learn to differentiate between form and content. This course will emphasize more advanced concepts in performance and choreography.

Theatre Arts:

INTRODUCTION TO DRAMATIC ARTS: STAGECRAFT AND DESIGN, GRADES 6-8 (802109aq) SEMESTER

This is a non-audition course. The course will focus on basic technical theatre skills, technical theatre vocabulary, safety and analyzing theatrical literature. The class will be able to identify basic building tools and techniques. The class will learn basic theatre etiquette and repertoire. Students are required to also register for Introduction to Dramatic Arts: Performance.

INTRODUCTION TO DRAMATIC ARTS: PERFORMANCE, GRADES 6-8 (802109ar) SEMESTER

This is a non-audition course. The course will focus on basic acting skills, vocabulary and analyzing theatrical literature. The class will be able to identify basic acting methods. They will learn to use basic methods within improvisational and scripted acting scenes. All acting will be done in small groups and as solos (monologues). The class will also learn basic theatre etiquette and repertoire. A small portion of the class will be focused on musical theatre techniques/reertoire. Students are required to also register for Introduction to Dramatic Arts: Stagecraft and Design.

CLOWNS, GRADE 6 (100119ad)

This is a select performance group who travel and perform as Academy ambassadors. Students learn the responsibility and dedication needed to work in performance careers and learn to communicate to various audiences through song and dance.

DRAMA I, GRADE 7 (285007aa)
DRAMA I, GRADE 8 (285008aa)

This is a non-audition course. The course will focus on basic acting skills, vocabulary and analyzing theatrical literature. The class will be able to identify basic acting methods. They will learn to use basic methods within improvisational and scripted acting scenes. All acting will be done in small groups and as solos (monologues). The class will also learn basic theatre etiquette and repertoire. A small portion of the class will be focused on musical theatre techniques/reertoire. Students must have previously taken Introduction to Dramatic Arts or be able to demonstrate basic understanding of theater and its components with teacher recommendation.
DRAMA II, GRADE 7 (285007ab)
DRAMA II, GRADE 8 (285008ab)
This is an audition based course. Students must have a working knowledge of theatre basics and the discipline required to pursue more challenging scenes and literature. Students in this course will work to develop their own writing into stage productions as well as continue their learning of standard theatre literature and techniques. The class will move at an accelerated pace. Students will have more opportunity to work to research and develop their own ideas in the hopes of performance for the school community. A portion of the class will be focused on musical theatre techniques.

TECHNICAL THEATER I, GRADE 7 (285007ac)
TECHNICAL THEATER I, GRADE 8 (285008ac)
This is a non-audition course. The course will focus on basic technical theatre skills, technical theatre vocabulary, safety and analyzing theatrical literature. The class will be able to identify basic building tools and techniques. The class will learn basic theatre etiquette and repertoire. Students must have previously taken Introduction to Dramatic Arts or be able to demonstrate basic understanding of theater and its components with teacher recommendation.

TECHNICAL THEATER II, GRADE 7 (285007ad)
TECHNICAL THEATER II, GRADE 8 (285008ad)
This is an audition based course. Students must have a working knowledge of theatre basics and the discipline required to pursue the learning and application of more challenging technical requirements. The course will focus on advanced technical theatre skills, technical theatre vocabulary, safety and analyzing more advanced theatrical literature. The class will be able to identify more advanced building tools/power tools and be able to utilize them properly to create their own designs. The class will begin learning design rules and applications that create effective/impactful theatrical work. The class will work collaboratively to develop scenery, lighting, sound, costumes, etc. as needed for AAA productions. The students of this class will be asked to work school productions and events to gain real world experience within the technical theatre field.

Visual Arts:

MEDIA ARTS I FALL, GRADE 6 (100307ab) SEMESTER
MEDIA ARTS I FALL, GRADE 7 (282007ab) SEMESTER
MEDIA ARTS I FALL, GRADE 8 (282008ab) SEMESTER
This course, through available and digital media technology, allows students to engage in the creative process to produce meaningful media art products. Use of prior skills demonstrates analytical and introspective self-reflection and expression as an outlet for developing media arts productions. Assessment and revision are applied to complex, abstract, and independent thoughts of media arts productions. Students will make informed judgments about quality and improvement of media artworks to make informed conclusions on how people relate to and interpret these works. Creating, producing, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.
MEDIA ARTS II SPRING, GRADE 6 (100307aa) SEMESTER
MEDIA ARTS II SPRING, GRADE 7 (282007aa) SEMESTER
MEDIA ARTS II SPRING, GRADE 8 (282008aa) SEMESTER

This course, through available and digital media technology, allows students to engage in the creative process to produce meaningful media art products. Use of prior skills demonstrates analytical and introspective self-reflection and expression as an outlet for developing media arts productions. Assessment and revision are applied to complex, abstract, and independent thoughts of media arts productions. Students will make informed judgments about quality and improvement of media artworks to make informed conclusions on how people relate to and interpret these works. Creating, producing, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.

2-D ART AND DESIGN, GRADE 6 (100088aa) SEMESTER
2-D ART AND DESIGN, GRADE 7 (286007aa) SEMESTER
2-D ART AND DESIGN, GRADE 8 (286008aa) SEMESTER

Students will focus on two-dimensional design and evaluation of artwork, art history and criticism, and problem-solving/communication with a variety of techniques.

3-D ART AND DESIGN, GRADE 6 (100088ab) SEMESTER
3-D ART AND DESIGN, GRADE 7 (286007ab) SEMESTER
3-D ART AND DESIGN, GRADE 8 (286008ab) SEMESTER

Students will focus on three-dimensional design and evaluation of artwork, art history and criticism, and problem-solving/communication with a variety of techniques.

PORTFOLIO ARTS I FALL, GRADE 6 (100088ac) SEMESTER
PORTFOLIO ARTS I FALL, GRADE 7 (286007ac) SEMESTER
PORTFOLIO ARTS I FALL, GRADE 8 (286008ac) SEMESTER

This special topics select course provides an opportunity for students to participate in classes focusing on a specific area of art production. This course is offered to advanced level students who are self-motivated and seeking to develop a personal portfolio. Instructor approval required.

PORTFOLIO ARTS II SPRING, GRADE 6 (100088ad) SEMESTER
PORTFOLIO ARTS II SPRING, GRADE 7 (286007ad) SEMESTER
PORTFOLIO ARTS II SPRING, GRADE 8 (286008ad) SEMESTER

This special topics select course provides an opportunity for students to participate in classes focusing on a specific area of art production. This course is offered to advanced level students who are self-motivated and seeking to develop a personal portfolio.
Digital Photography is designed to give interested students an overview of the photographic medium as a method of communication and as an art form. Students will study impact of photography on our society and how it changed traditional art, as well as practicing the elements of design through this medium. Students must have completed 2D Art and Design and be able to demonstrate knowledge and practice of the basic fundamentals of art and design with teacher approval.
Vocal Music:

MIXED CHORUS I, GRADES 6-8 (283600)

Students will engage, through criteria set by the teacher, in meaningful and purposeful music-making within the four Artistic Processes; creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures, and disciplines within and outside of the arts. In doing so, students will experience the following concepts of music: rhythm, melody, form, timbre, harmony, and expression; taught by a certified music teacher. Evening rehearsals and performances may be required.

MIXED CHORUS II, GRADES 6-8 (283700)

Students will engage, through criteria set in collaboration with the teacher, in meaningful and purposeful music-making within the four Artistic Processes; creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures, and disciplines within and outside of the arts. In doing so, students will experience the following concepts of music: rhythm, melody, form, timbre, texture and harmony, style, and expression; taught by a certified music teacher. Evening rehearsals and performances may be required.

MIXED CHORUS III, GRADES 6-8 (283800)

This is a select chorus for students who have covered the fundamentals of singing. Students will engage, through self-informed, personally-developed criteria, in meaningful and purposeful music-making within the four Artistic Processes; creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures, and disciplines within and outside of the arts. In doing so, students will experience the following concepts of music: rhythm, melody, form, timbre, texture and harmony, style, unity and variety, tension and release, balance, and expression; taught by a certified music teacher. Evening rehearsals and performances are required.

STARS, GRADES 7-8 (283605aa)

This is a select performance group who travel and perform as Academy ambassadors. Students learn the responsibility and dedication needed to work in performance careers and learn to communicate to various audiences through song and dance.
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### 7th - 8th Grades
- Future City (220005ab)

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**Science:**

**OUTDOOR ADVENTURES, GRADES 6-8 (802109au) SEMESTER**

Using a scientific perspective, students will learn about outdoor survival. Learn how to predict the weather based on natural occurrences and observations and build structures for shelter using tools from the land. Learn the necessary requirements for camping, hiking, fishing, hunting, and other important skills to provide life support in challenging conditions. This is a semester course.

**SCIENCE BROADCASTING, GRADES 6-8 (802109av) SEMESTER**

What is new in Science? What type of science is being conducted with businesses in Huntsville, AL? Students in this course will research, study, and gather up to date science happenings in our local community and around the world and develop news broadcast to inform the student body at ASFL. (Partnership with ETV is requested to share broadcast with the city schools and highlight the advancements in science being made with local businesses including Hudson Alpha and other companies around town.) This is a semester course.

**BOTANICAL SCIENCE, GRADES 6-8 (220005ad) SEMESTER**

In this semester course, students take a hands-on approach to identify and describe native and invasive species of plants inhabiting North America. Opportunities include using taxonomical keys for plant identification and observing plants in their natural habitats. Students will learn the parts of many types of plants including flowers, and other vascular and non-vascular plants. Students will participate in plant dissections and shading projects for plant collection and participate in cultivating areas around the school. Students will participate in research and visit the Botanical Gardens as a culminating activity.

**ZOOLOGY AND DISSECTION, GRADES 6-8 (220005ae) SEMESTER**

In this semester course, the study of animals and their life cycles and habitats are the primary focus of this course. Students participate in several dissections of animals to explore the internal and external anatomy. Students also participate in farming projects that allow them to see the life cycles of different animals. Observations are made about the importance of preserving animal habitats and keystone species.

**MATTER IN MOTION – PHYSICS, GRADES 6-8 (220005af) SEMESTER**

This will be a semester long course that includes hands-on labs and activities pertaining to physics. With physics being the study of matter and its motion through space and time, along with related concepts such as energy and force. Examples of labs or activities include but may not be limited to: roller coasters, airplanes, rockets, Jell-O box cars, Rube Goldberg machines, Barbie drop, relays to graph, wave on a string, fun with lights with prisms and mirrors. While great for anyone, this course is meant to supplement the physics unit of the physical science curriculum.

**DON'T GO CHANGING – CHEMISTRY, GRADES 6-8 (220005ag) SEMESTER**

This will be a semester long course that includes hands-on labs and activities pertaining to chemistry. With chemistry being the study of matter; understanding that all matter is made of atoms than can combine to create new matter under the right conditions. Examples of labs or activities include but may not be limited to: marshmallow atoms and molecules, investigating pH through acids and bases, solubility, states of matter phase changes, fun with the periodic table, identifying elements, compounds or mixtures, and bubble gum lab. While great for anyone, this course is meant to supplement the chemistry unit of the physical science curriculum.
FUTURE CITY, GRADES 7-8 (220005ab)

Specialized science processes; scientific principles and knowledge; and skills, application, and experimentation in life, physical, and earth sciences.

World Languages:

FRENCH, GRADE 6 (100138)
FRENCH EXPLORATORY, GRADE 7 (270021)
FRENCH EXPLORATORY, GRADE 8 (270022)

Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to French-speaking cultures.

GERMAN EXPLORATORY, GRADE 8 (270042)

Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to German-speaking cultures.

MANDARIN, GRADE 6 (100178)
MANDARIN, GRADE 7 (270001)

Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Mandarin-speaking cultures.

SPANISH, GRADE 6 (100128)
SPANISH EXPLORATORY, GRADE 7 (270151)
SPANISH EXPLORATORY, GRADE 8 (270152)

Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Spanish-speaking cultures.

Other:

VISUAL ARTS, GRADE 7 (286007)
VISUAL ARTS, GRADE 7 (286007ae) SEMESTER

This course, through available and digital media technology, allows students to engage in the creative process to produce meaningful media art products. Use of prior skills demonstrates analytical and introspective self-reflection and expression as an outlet for developing media arts productions. Assessment and revision are applied to complex, abstract, and independent thoughts of media arts productions. Students will make informed judgments about quality and improvement of media artworks to make informed conclusions on how people relate to and interpret these works. Creating, producing, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.
**VISUAL ARTS, GRADE 8 (286008)**

**VISUAL ARTS, GRADE 8 (282008ad) SEMESTER**

This course, through available and digital media technology, allows students to engage in the creative process to produce meaningful media art products. Use of prior skills demonstrates analytical and introspective self-reflection and expression as an outlet for developing media arts productions. Assessment and revision are made to complex, abstract, and independent thoughts of media arts productions and then applied to communicate independent thoughts through productions, orally and in writing. Students will assess and connect judgments about the quality of media artworks productions to how people relate to and experience these works. Creating, producing, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how technology helps to communicate ideas and to make connections to the world and art. Media arts history, ethics and appropriate use of materials are covered.

**ROBOTICS, GRADE 7-8 (802209bj)**

A one credit course which includes designing, building, and controlling a robot which will complete several tasks during competition such as manipulating a button or pushing a ball.

**INTRODUCTION TO CYBER SECURITY, GRADE 8 (520041)**

A one-half credit course which includes an overview of computer technologies, careers, and cyber ethics. Students will be introduced to computer terminology and hardware as well as digital numbering systems and networking.
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Academy for Gifted and Talented (AGT):

**GIFTED/PROBLEM-BASED LEARNING, GRADE 6 (600001)**
In this Problem-Based Learning class, gifted students will create large-scale projects in response to needs and problems as identified by the students themselves. Projects are interest-based, technology-infused, standards-embedded, and student-driven. Employing the design process, students construct their own learning with teacher as facilitator. Project products are displayed at AGT's Learning Showcase. Through the design process, students develop the critical thinking, problem-solving, and communication skills necessary in real world situations.

**DESIGN/GIFTED AND TALENTED, GRADE 7 (802109ay)**
In this course, students will apply practical and creative thinking skills to solve real-world problems within the STEM environment. Students will explore the role of design in both historical and contemporary contexts.

**GIFTED/SHARED INQUIRY SEMINAR, GRADE 8 (802210aa)**
This Shared Inquiry Seminar elective is a course in which the content and product(s) are designed and driven by the students and guided by the AGT teacher. The curriculum is designed to be highly challenging and based strictly on the development of the students’ interests, aptitudes, and strengths.

**NASA BEGINNING ENGINEERING, GRADES 7-8 (802109ax)**
Students in the NASA’s Best program will take NASA Beginning Engineering each year in grades 6-8 and will learn about specialized science processes; scientific principles and knowledge; and skills, application, and experimentation in life, physical, and earth sciences. Mentoring is provided by NASA engineers.

**AGT PIANO LAB I, GRADE 6 (284102aa)**
**AGT PIANO LAB II, GRADES 7-8 (284202aa)**
**AGT PIANO LAB II, GRADES 7-8 (284202aa) SEMESTER**
**AGT PIANO LAB III, GRADES 7-8 (284302aa)**
**AGT PIANO LAB III, GRADES 7-8 (28302aa) SEMESTER**
World Languages:

MANDARIN, GRADE 6 (100178)
MANDARIN EXPLORATORY, GRADE 7 (270001)
MANDARIN EXPLORATORY, GRADE 8 (270002)

This course is the introductory level for Mandarin language learning. Students will receive a foundation for Chinese study as well as an all-around development of basic Mandarin for students with little or no Chinese language background. Students will be able to learn the Chinese phonetic system as well as develop vocabulary to be able to describe themselves and their immediate surroundings. Vocabulary will be topic related and connected to family, school, and daily life. Cultural information will help provide a context to the language use.

SPANISH, GRADE 6 (100128)
SPANISH EXPLORATORY, GRADE 7 (270151)
SPANISH EXPLORATORY, GRADE 8 (270152)

Listening, speaking, reading, and writing skills involving familiar topics; understanding and responding to simple expressions; writing using learned vocabulary; introduction to Spanish-speaking cultures. Spanish is required to be taken by each student each year in grades 6-8.

FOREIGN LANGUAGE CLUB, GRADES 6-8 (802110ac)

Participation in a school-sponsored club/activity is required of each student each year in grades 6-8.

Core Academic Courses:

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AGT ENGLISH 7, HONORS (200002aa)
AGT ENGLISH 8, HONORS (200004aa)
AGT MATH 7, HONORS (210002aa)
AGT SCIENCE 6, HONORS (100040)
AGT CIVICS 7, HONORS AGT (230004) SEMESTER
AGT GEOGRAPHY 7, HONORS AGT (230002) SEMESTER
AGT WORLD HISTORY TO 1500, HONORS (230012)
Mathematics

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<td>Math Elective (Math Team), Grades 7-8</td>
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</table>

MATHEMATICS, GRADE 6 (100018)

Students will understand ratio concepts and use ratio reasoning to solve problems; apply and extend previous understanding of multiplication and division to divide fractions by fractions; compute fluently with multi-digit numbers and find common factors and multiples; apply and extend previous understanding of numbers to the system of rational numbers; apply and extend previous understanding of arithmetic to algebraic expressions; reason about and solve one-variable equations and inequalities; represent and analyze quantitative relationships between dependent and independent variables; solve real-world and mathematical problems involving area, surface area, and volume; develop understanding of statistical variability; and summarize and describe distribution.

MATHEMATICS, HONORS, GRADE 6 (100020)

Advanced work in mathematical computation, problem-solving skills, and other mathematical concepts.

MATHEMATICS INTERVENTION, GRADE 6 (100019)

Remedial work in mathematics.
MATHEMATICS, GRADE 7 (210001)
Students will analyze proportional relationships and use them to solve real-world and mathematical problems; apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers; use properties of operations to generate equivalent expressions; solve real-life and mathematical problems using numerical and algebraic expressions and equations; draw, construct, and describe geometrical figures and describe the relationship between them; solve real-life and mathematical problems involving angle measure, area, surface area, and volume; use random sampling to draw inferences about a population; draw informal comparative inferences about two populations; and investigate chance processes and develop, use, and evaluate probability models.

MATHEMATICS, HONORS, GRADE 7 (210002)
Advanced work in computational fluency of integers; problem-solving skills; basic geometric shapes and figures; basic algebra concepts and skills, including algebraic expressions and linear equations; properties of rational numbers; basic probability and statistics; and proportional reasoning.

MATHEMATICS, GRADE 8 (210003ab)
Students will know that there are numbers that are not rational, and approximate them by rational numbers; work with radicals and integer exponents; understand the connections among proportional relationships, lines, and linear equations; analyze and solve linear equations and pairs of simultaneous linear equations; define, evaluate, and compare functions; use functions to model relationships between quantities; understand congruence and similarity using physical models, transparencies, or geometry software; understand and apply the Pythagorean Theorem; solve real-world and mathematical problems involving volume of cylinders, cones, and spheres; and investigate patterns of association in bivariate data.

ALGEBRA I (210005)
This college preparatory course integrates the 8th grade math content with Algebra standards. This course focuses on a study of fundamental structures of the real number system. Attention will be given to the algebraic properties and operations throughout the course.

GEOMETRY, HONORS (210011)
This is a fast-paced course that covers advanced concepts to prepare students for AP Calculus. Problem-solving skills in the development of geometric concepts are integrated throughout the course.

MATHEMATICS INTERVENTION, GRADES 7-8 (210033aa)
Remedial work in mathematics.

MATH ELECTIVE, GRADES 7-8 (210035)
This course is designed for highly motivated math students who plan to participate in math team activities.
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</table>

### CONCERT BAND I (283100aa)

This is a one credit course, novice level, designed for students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will study works of famous composers of concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

### CONCERT BAND II (283200aa)

Prerequisite(s): Concert Band I or approval of the instructor

This is a one credit course, intermediate level, designed for students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will study works of famous composers of concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

### CONCERT BAND III (283300aa)

Prerequisite(s): Concert Band II or approval of the instructor

This is a one credit course, proficient level, designed for students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will study works of famous composers of concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.
**MIXED CHORUS I** (283600ab)

Students will engage, through criteria set by the teacher, in meaningful and purposeful music-making within the four Artistic Processes; creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures, and disciplines within and outside of the arts. In doing so, students will experience the following concepts of music: rhythm, melody, form, timbre, harmony, and expression; taught by a certified music teacher.

**MIXED CHORUS II** (283700ab)

Students will engage, through criteria set in collaboration with the teacher, in meaningful and purposeful music-making within the four Artistic Processes; creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures, and disciplines within and outside of the arts. In doing so, students will experience the following concepts of music: rhythm, melody, form, timbre, texture and harmony, style, and expression; taught by a certified music teacher.

**MIXED CHORUS III** (283800ab)

Students will engage, through self-informed, personally-developed criteria, in meaningful and purposeful music-making within the four Artistic Processes; creating music (improvising, composing, arranging); performing music (singing or with instruments); responding to music (listening to and analyzing); connecting music learning and experiences to the larger curriculum, other cultures, and disciplines within and outside of the arts. In doing so, students will experience the following concepts of music: rhythm, melody, form, timbre, texture and harmony, style, unity and variety, tension and release, balance, and expression; taught by a certified music teacher.
Peer Helper

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PEER HELPER, GRADES 7-8 (802107)

Supervised tutoring services offered by students.
**PHYSICAL EDUCATION, GRADE 6 (100058)**

Refinement of fundamental motor skills integrated with a variety of movement concepts taught by a certified physical education specialist.

**PHYSICAL EDUCATION, GRADE 7 (240001)**

**PHYSICAL EDUCATION, GRADE 8 (240001aa)**

Skill execution as opposed to the acquisition of skills which are integrated into games, sports, rhythms, and gymnastics.
NOTE: PLTW courses are available to 7th and 8th grade students only at HCS middle grades schools as noted in each course description below.

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<td>Computer Science for Innovators and Makers™ PLTW (semester)</td>
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DESIGN AND MODELING™ PLTW (560001) SEMESTER

Location(s) Offered: AAA, ASFL, Challenger, Chapman, Hampton Cove, Huntsville, McNair, Mountain Gap, Morris, Whitesburg, Williams

Grade(s): Available to 7th and 8th grade students at HCS middle schools listed above.

A one-half credit course that uses solid modeling as part of the design process. Students learn sketching techniques; use descriptive geometry as a component of design, measurement, and computer modeling; and develop ideas, create models, test and evaluate design ideas, and communicate solutions.

AUTOMATION AND ROBOTICS™ PLTW (560003) SEMESTER

Location(s) Offered: AAA, ASFL, Challenger, Chapman, Hampton Cove, Huntsville, McNair, Mountain Gap, Morris, Whitesburg, Williams

Grade(s): 7-8

A one-half credit course that provides opportunities for students to trace the history, development, and influence of automation and robotics. Emphasis is placed on mechanical systems, energy transfer, machine automation, and computer control systems.
MAGIC OF ELECTRONS™ PLTW (560002) SEMESTER
Location(s) Offered: Challenger, Huntsville, Morris
Grade(s): 7-8
Prerequisite(s): Design and Modeling PLTW
A one-half credit course designed for students to explore the science of electricity, behavior and parts of atoms, circuit design, and sensing devices. Students acquire knowledge and skills in basic circuitry design and explore the impact of electricity on their lives.

ENERGY AND THE ENVIRONMENT™ PLTW (560004) SEMESTER
Location(s) Offered: Challenger, Huntsville, McNair, Morris
Grade(s): 7-8
Prerequisite(s): Design and Modeling PLTW
A one-half credit course designed for students to investigate the importance of energy and its impact on the environment. Students design and model alternative energy sources and evaluate ways to reduce consumption through energy efficiency and waste management techniques.

FLIGHT AND SPACE™ PLTW (560005) SEMESTER
Location(s) Offered: ASFL, Challenger, Chapman, Hampton Cove, Mountain Gap, Morris, Whitesburg, Williams
Grade(s): 7-8, Grade 7 only at ASFL
Prerequisite(s): Design and Modeling PLTW
A one-half credit course where students study the history of aerospace through hands-on activities and research. Students explore the science of aeronautics and use this knowledge to design, build, and test a model glider.

SCIENCE AND TECHNOLOGY™ PLTW (560006) SEMESTER
Location(s) Offered: Challenger, Hampton Cove, Huntsville, Morris, Whitesburg
Grade(s): 7-8, Grade 8 only at ASFL
Prerequisite(s): Design and Modeling PLTW
A one-half credit course designed for student to learn applied physics, chemical engineering, and nanotechnology through exploratory activities and projects.

MEDICAL DETECTIVES™ PLTW (560023) SEMESTER
Location(s) Offered: AAA, ASFL, Challenger, Chapman, Hampton Cove, Mountain Gap, Morris, Whitesburg, Williams
Grade(s): 7-8, Grade 7 only at ASFL
Prerequisite(s): Design and Modeling PLTW
Medical Detectives (MD) explore the biomedical sciences through hands-on projects and labs that require students to solve a variety of medical mysteries. Students investigate medical careers, vital signs, diagnosis, and treatment of diseases, as well as human body systems such as the nervous system. Genetic testing for hereditary diseases and DNA crime scene analysis put the students in the place of real life medical detectives.
**APP CREATORS™ PLTW (560029) SEMESTER**

**Location(s) Offered:** AAA, ASFL, Challenger, Chapman, Hampton Cove, Huntsville, McNair, Mountain Gap, Morris, Whitesburg, Williams  
**Grade(s):** 7-8

App Creators introduces students to the field of computer science and the concepts of computational thinking, through the creation of mobile apps. Students are challenged to be creative and innovative, as they collaboratively design and develop mobile solutions to engaging, authentic problems. Students experience the positive impact of the application of computer science to society as well as other disciplines, particularly biomedical science.

**GREEN ARCHITECTURE™ PLTW (560031) SEMESTER**

**Location(s) Offered:** AAA, Hampton Cove, Huntsville, McNair, Morris  
**Grade(s):** 7-8  
**Prerequisite(s):** Design and Modeling PLTW

In a world of reduced resources and environmental challenges, it is important to present the concept of “being green” to the next generation of designers and builders. In this unit, students are introduced to architectural plans, construction styles, alternative materials and processes, dimensioning, measuring and architectural sustainability. Students use a 3D architectural software program to create an environmentally friendly home using shipping containers.

**COMPUTER SCIENCE FOR INNOVATORS AND MAKERS™ PLTW (560032) SEMESTER**

**Location(s) Offered:** AAA, ASFL, Challenger, Chapman, Hampton Cove, Huntsville, McNair, Mountain Gap, Morris, Whitesburg, Williams  
**Grade(s):** 7-8

Computer Science for Innovators and Makers teaches students that programming goes beyond the virtual world into the physical world. Students are challenged to creatively use sensors and actuators to develop systems that interact with their environment. Designing algorithms and using computational thinking practices, they code and upload programs to microcontrollers that perform a variety of authentic tasks. Students’ understanding of computer science concepts through meaningful applications will be broadened. Teams select and solve a personally relevant problem related to wearable technology, interactive art, or mechanical devices.
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<td>Physical Science, Honors, Grade 8</td>
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### SCIENCE, GRADE 6 (100038)

Scientific process and application skills; weather; Earth’s surface; water and carbon cycles; plate tectonic theory; hydrosphere; lithosphere; Earth’s biomes; heating and cooling of the Earth; moon phases; components of the universe.

### SCIENCE, HONORS, GRADE 6 (100040)

Advanced work in scientific processes, knowledge, and application; scientific principles, observation, and experimentation in life, physical and earth sciences.

### LIFE SCIENCE, GRADE 7 (220001)

Scientific process and application skills; characteristics of living things; cells; body systems (7); classification; photosynthesis; cellular respiration; change over time; ecology; genetics.

### LIFE SCIENCE, HONORS, GRADE 7 (220002)

Advanced work in the scientific process and application skills; characteristics of living things; cells; body systems (7); classification; photosynthesis; cellular respiration; change over time; ecology; genetics.

### PHYSICAL SCIENCE, GRADE 8 (220003)

Scientific process and application skills, atomic structure, matter, bonding, solutions, Newton’s laws, simple machines, energy, waves.

### PHYSICAL SCIENCE, HONORS, GRADE 8 (220004)

Advanced work in the scientific process and application skills, atomic structure, matter, bonding, solutions, Newton’s laws, simple machines, energy, waves.
# Social Studies

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## SOCIAL STUDIES, GRADE 6 (100048)

*United States History from the Industrial Revolution to the Present.*

## SOCIAL STUDIES, HONORS, GRADE 6 (100050)

*Advanced work in the social sciences such as history, economics, geography, government, and civics.*

## CIVICS, GRADE 7 (230003) SEMESTER

*U.S. founding documents; representative democracy; law; personal finance; U.S. political system; civic participation and responsibility.*

## CIVICS, HONORS, GRADE 7 (230004) SEMESTER

*Advanced work in the U.S. founding documents; representative democracy; law; personal finance; U.S. political system; civic participation and responsibility.*

## GEOGRAPHY, GRADE 7 (230001) SEMESTER

*Cultural geography emphasizing Eastern Hemisphere; places and regions; physical systems; human systems; relationships between people and their environment.*

## GEOGRAPHY, HONORS, GRADE 7 (230002) SEMESTER

*Advanced work in cultural geography emphasizing Eastern Hemisphere; places and regions; physical systems; human systems; relationships between people and their environment.*
WORLD HISTORY TO 1500, GRADE 8 (230011)

Chronological history of the world: survey of early and classical civilizations; world expansion of agrarian and commercial civilizations from beginnings to 1500

WORLD HISTORY TO 1500, HONORS, GRADE 8 (230012)

Advanced work in the chronological history of the world: survey of early and classical civilizations; world expansion of agrarian and commercial civilizations from the beginnings to 1500.
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*NOTE: Offered at Challenger, McNair, Mountain Gap, and Whitesburg

**Offered at Challenger

***Offered at Hampton Cove
INTRODUCTION TO CYBER SECURITY, GRADE 8 (520041) SEMESTER

A one semester course which includes an overview of computer technologies, careers, and cyber ethics. Students will be introduced to computer terminology and hardware as well as digital numbering systems and networking.

INTRODUCTION TO WEB PAGE DESIGN, GRADES 7-8 (802109ae) SEMESTER

Teaches students how web pages are designed and the programs used to create them. Students will set up their own webpage for the class as well as maintaining the school web page adding video and picture content from various sources.
SCHOOL PUBLICATIONS, GRADES 6-8 *(802202)*

**SCHOOL PUBLICATIONS, GRADES 6-8 (802202ad) SEMESTER**

Assisting in production/maintenance of school publications, e.g., Yearbook, Newspaper, E-papers, Web site maintenance, Newsletter.

**SERVICE LEARNING, GRADES 7-8 *(802200ab)* SEMESTER**

Enhanced learning activities focused on service learning

**VIDEO PRODUCTION, GRADE 8 *(802109ac)***

**VIDEO PRODUCTION, GRADE 8 *(802109ab)* SEMESTER**

Teaches the elements and principles of design. Students will learn the art of video production by exploring how a news studio operates. Students will plan news stories, cover school news, edit their video recordings to increase production value, and then broadcast their news stories.

**INTRODUCTION TO GREENPOWER, GRADES 7-8 *(510007)***

This course is for first year Greenpower students.

**GREENPOWER INTERMEDIATE, GRADE 8 *(590305)***

**Location(s) Offered:** Challenger, McNair, Mountain Gap, and Whitesburg

This course is for second year Greenpower students.

These courses provide an introduction to design software and provides students with real-world industry relevant, and multi-disciplinary engineering and manufacturing skills. Students design, build, and race an electric car while learning leadership and collaboration skills within a competitive environment.

**PROJECT BASED LEARNING USING HISTORY, GRADES 7-8 *(802200ai)***

**Location(s) Offered:** Hampton Cove

Students will use the National History Day (HND) model to research, write and defend arguments, and create a final project on a topic of their choice. Students will complete at the local level, with opportunity to move to state and national levels. In addition to the NHD competition, students will do research and presentations on multiple topics selected based on student historical interests.
BITS AND BYTES, GRADES 7-8 (802200ah) SEMESTER

Location(s) Offered: Challenger  
Grade(s): 7-8

This is a full year elective open to 7th and 8th graders described as a course that empowers students to create and engage in authentic computer solutions and problem solving. Subject areas include but are not limited to: Computer Logic, Data and Web Management, The Design Process, The Internet of Things, “and Digital Impact on Society. The course will culminate with a digital project with community impact.

THE GAME OF LIFE, GRADES 7-8 (802200ah) SEMESTER

Location(s) Offered: Hampton Cove

This is an enrichment class for students to learn and practice skills for life. Course content will include engaging in hands-on activities that teens will use as they prepare for high school and beyond. Subject areas include: healthy foods and good nutrition, money management skills, leadership skills, personal skills, social media skills, clothing skills, jobs skills and consumer skills. During the semester, each class will select, research and carry out a Service Learning Project.

THE GAME OF LIFE II, GRADES 7-8 (802200ai) SEMESTER

Location(s) Offered: Hampton Cove

This class builds on skills students became an expert in during The Game of Life. Course content provides opportunities for students to explore personal development, nutrition and food preparation, career exploration, child care, basic sewing skills, money management, teen consumer decisions, service learning, social media, and cyber safety. Laboratory experiences with hands-on activities such as Chef for a Day, Real Care Baby simulation, and guest speakers are important components of the class.
## COURSE PROGRESSION

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Student Aide

COURSE INDEX

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STUDENT AIDE (OFFICE, LIBRARY, GUIDANCE ONLY), GRADE 8 (802106)

Students develop leadership skills while assisting staff in the main office, guidance office, or library.
## Middle Grades Electives Quick Reference Guide

### ART
- Visual Arts, Grade 7
  - Class No.: 286007
- Visual Arts, Grade 7 (sem)
  - Class No.: 210090
- Media Arts, Grade 8
  - Class No.: 282008
- Media Arts, Grade 8 (sem)
  - Class No.: 202000

### CAREER READINESS
- Career Cluster Exploration, Grade 8 (sem)
  - Class No.: 400001

### ENGLISH ELECTIVES
- Journalism 1, Grades 7-8
  - Class No.: 200001
- Journalism 1, Grades 7-8 (sem)
  - Class No.: 200001

### ENTERTAINMENT TECHNOLOGY ACADEMY
- Available at Huntsville Jr. High & Hampton Cove

### COMPUTER SCIENCE
- Computer Science for Innovators and Makers (sem)
  - Class No.: 560032
- App Creators (sem)
  - Class No.: 560029
- Evolution of Games, Grades 7-8 (sem)
  - Class No.: 400012
- Intro to Video Game Design, Grades 7-8 (sem)
  - Class No.: 400014

### MATHEMATICS ELECTIVES
- Math Elective (Math Team), Grades 7-8
  - Class No.: 210035

### MUSIC
- Concert Band I
  - Class No.: 283300
- Concert Band II
  - Class No.: 283300
- Concert Band III
  - Class No.: 283300
- Mixed Chorus I
  - Class No.: 283300
- Mixed Chorus II
  - Class No.: 283300
- Mixed Chorus III
  - Class No.: 283300

### PEER HELPER
- Peer Helper, Grades 7-8
  - Class No.: 202107

### PROJECT LEAD THE WAY (PLTW), GRADES 7-8 ONLY
- Design & Modeling (sem) (available at all HCS middle grades schools)
  - Class No.: 560001
- Automation & Robotics (sem) (available at all HCS middle grades schools)
  - Class No.: 560003
- Computer Science for Innovators and Makers (sem) (available at all HCS middle grades schools)
  - Class No.: 560092
- App Creators (sem) (available at all HCS middle grades schools)
  - Class No.: 560089
- Magic of Electronics (sem) (available to students at Challenger, Huntsville, Morris)
  - Class No.: 560002
- Energy & the Environment (sem) (available to students at Challenger, Huntsville, Morris)
  - Class No.: 560084
- Fight & Space (sem) (available to students at Challenger, Huntsville, Morris, Whitburn, Williams; also available to 7th-grade students at ASFL)
  - Class No.: 560005
- Science & Technology (sem) (available to students at Challenger, Hampton Cove, Huntsville, Morris, Whitburn; also available to 7th-grade students at ASFL)
  - Class No.: 560006
- Medical Detectives (sem) (available to students at AAA, Challenger, Hampton Cove, Huntsville, Morris, Whitburn; Williams; also available to 7th-grade students at ASFL)
  - Class No.: 560023
- Video Production (sem) (available to students at AAA, Hampton Cove, Huntsville, Morris, Whitburn)
  - Class No.: 560031

### OTHER ELECTIVES
- Introduction to Cyber Security, Grade 8
  - Class No.: 520041
- Intro to Web Page Design, Grades 7-8
  - Class No.: 520098
- School Publications, Grades 6-8 (sem)
  - Class No.: 520021
- Service Learning, Grades 7-8 (sem)
  - Class No.: 520026
- Video Production, Grade 8
  - Class No.: 520106
- Introduction to Greenpower, Grades 7-8
  - Class No.: 593005
- Greenpower Intermediate, Grade 8
  - Class No.: 510007
- *Challenger, Huntsville, Mountain Gap, & Whitesburg only

### STUDENT AIDE
- Student Aide (office, library, guidance only), Grade 8
  - Class No.: 802106

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All courses are one year in length unless otherwise noted.

**NOTE:** Please refer to the HCS 2018-2019 Middle Grades Course Description Guide for more detailed information.
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All courses are one year in length unless otherwise noted.

NOTE: Please refer to the HCS 2016-2017 Middle Grades Course Description Guide for more detailed information.