



**Thomas County Central High School**

**PROGRAM GUIDE and  
COURSE CATALOG  
2019-2020**

**Thomas County Central High School  
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**<http://www.thomas.k12.ga.us>  
click the link for Thomas County Central High**

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## Graduation Requirements

All students (Class of 2016 and later) are required to complete the following:

- **English:** 4 units (typically selected from a specific sequence)
- **Mathematics:** 4 units (typically selected from a specific sequence)
- **Science:** 4 units (typically selected from a specific sequence)
- **Social Studies:** 3 units (typically selected from a specific sequence)
- **Physical Education:** 1 unit (Health/Personal Fitness)
- **Pathway Courses:** 3 units (Advanced Academic and/or CTAE and/or Fine Arts and/or Foreign Language)
- **Additional Electives:** 4 units

***Minimum Total Units: 23***

*Grade level counselors can provide information on specific course titles and requirements. Additionally, Grade level counselors can provide information on the specific requirements for grade level promotion.*

**Note:**

The Georgia Milestone End of Course Test (EOC) will contribute 20% to the course grade (for those core courses in which a Milestone EOC is mandated).

## English/Language Arts Sequences

Grade Level	Track General	Track Advanced	Track AP Option 1	Track AP Option 2
8 <sup>th</sup> Grade			9 <sup>th</sup> Grade Literature/Composition, Honors (Middle School)	
9 <sup>th</sup> Grade	9 <sup>th</sup> Grade Literature/Composition	9 <sup>th</sup> Grade Literature/Composition, Advanced	10 <sup>th</sup> Grade Literature/Composition, Honors	9 <sup>th</sup> Grade Literature/Composition, Honors
10 <sup>th</sup> Grade	10 <sup>th</sup> Grade Literature/Composition	10 <sup>th</sup> Grade Literature/Composition, Advanced	American Literature/Composition, Honors	10 <sup>th</sup> Grade Literature/Composition, Honors
11 <sup>th</sup> Grade	American Literature/Composition	American Literature/Composition, Advanced	AP Literature	American Literature/Composition, Honors
12 <sup>th</sup> Grade	British Literature/Composition	British Literature/Composition, Advanced, AP Literature or Dual Enrollment Courses	Optional Dual Enrollment Courses	AP Literature

### *English/Language Arts Elective*

Course
Journalism I, II or III (23.0320002 , 23.0330002, or 23.0350002)
Writer's Workshop 23.0310002

### English Careers:

Advertising Manager	Literary Agent	Technical Writer
Author/Lecturer	Proofreader	Paralegal
Court Reporter	Receptionist	Public Relations
Journalist	Sales Person	Copywriter
Communications Director	English Teacher	Social Media Manager

# Mathematics Sequences

## Students Entering High School in 2015-2016 and later

	8th	9th	10th	11th	12th
<b>General Pathway (Opt 1)</b>		Foundations of Algebra I	GSE Algebra I	GSE Geometry	GSE Algebra II
<b>General Pathway (Opt 2)</b>		GSE Algebra I or Algebra I, Adv	GSE Geometry or Geometry, Adv	GSE Algebra II or Algebra II, Adv	Students may choose from the following 1) Pre-Calculus 2) Math of Finance 3) Math for College Readiness 4) Statistical Reasoning 5) AP Statistics 6) Dual Enrollment Courses
<b>AP Track Pathway Option 1</b>	GSE Algebra I	Honors GSE Geometry	Honors GSE Algebra II	Honors Pre-Calculus	Students may choose from the following 1) AP Calculus AB 2) AP Statistics 3) Dual Enrollment Courses
<b>AP Track Pathway Option 2</b>		Accel Algebra I /Geometry A	Accel Geometry B /Algebra II	Honors Pre-Calculus	Students may choose from the following 4) AP Calculus AB 5) AP Statistics Dual Enrollment Courses

### Math Careers:

Computer Programmer  
 Financial Advisor  
 Actuary  
 Architect

Cryptographer  
 Accountant  
 Astronomer  
 Statistician

Financial Analyst  
 Economist  
 Auditor  
 Buyer

## Science Sequences

Grade Level	Track General	Track Advanced	AP Track
8 <sup>th</sup> Grade			High School credit in Physical Science with passed Milestone EOC
9 <sup>th</sup> Grade	Biology	Advanced Biology*	Honors Biology*
10 <sup>th</sup> Grade	Physical Science	Advanced Physical Science*	Honors Chemistry*
11 <sup>th</sup> Grade	Earth Systems, Environmental Science or Chemistry*	Regular or Honors Chemistry*	Anatomy and Physiology, Environmental Science, Forensics, AP Physics I, AP Biology, AP Chemistry, AP Environmental Science or CTAE science
12 <sup>th</sup> Grade	Anatomy and Physiology, Environmental Science, Forensics, or CTAE science	Anatomy and Physiology, Environmental Science, Forensics, AP Environmental Science or CTAE science	

All students must take a physical science and a biology class and complete either Earth Systems, Chemistry, or Environmental Science and one CTAE science class.

\*Any student signed up for these advanced classes or Honors classes must complete a long term project to meet the class requirements such as science fair, Exploravision, etc.

**It is suggested that students who plan to major in pre-medicine, pharmacy, engineering, or other science related fields should take Chemistry, Physics, and at least one AP class to include either AP Physics, AP Biology or AP Chemistry**

CTAE Sciences that meet the College Board of Regent's requirements for a 4<sup>th</sup> year science, meet the graduation requirement, and are included in the HOPE Scholarship calculation are listed below.

02.42100 Animal Science Technology/Biotechnology

01.46100 General Horticulture and Plant Science

03.45100 Forest Science

11.47100 Computer Science Principals

11.01600 AP Computer Science Principles A

11.47200 Programming, Games, Apps, and Society

25.44000 Essentials of Healthcare

Science Careers:		
Aerospace Engineer	Pharmacist	Health Technician
Mechanical Engineer	Physician	Geologist
Veterinarian	Ecologist	Forester
Nurse	Dental Hygienist	Oceanographer

## Social Studies Sequences

Grade Level	Track General	Track Advanced	Track Honors	AP Track
9 <sup>th</sup> Grade	World History	World History, Adv	Honors World History	AP American Government / Politics
10 <sup>th</sup> Grade	US History	US History, Adv	Honors US History or AP US History	AP World History
11 <sup>th</sup> Grade	American Government/ Economics	American Government, Adv / Economics, Adv	Honors American Government / Honors Economics	AP US History and ½ credit Economics
12 <sup>th</sup> Grade	Students may choose from the following: Psychology or AP Psychology, AP US History, AP American Government, AP Human Geography, AP Art History, AP World History			

### Social Studies Careers:

Economist  
Travel Agent  
Journalist  
Urban Planner

Public Affairs Specialist  
Military Intelligence Specialist  
International Buyer  
Social Worker

Touring Agent  
Export Broker  
Import Merchant  
Geographer

## Physical Education Courses

### *Required Physical Education Courses*

Course
Personal Fitness (36.0510012)
Health (17.0110012)

### *Physical Education Electives*

Course
Body Sculpting (36.0560002)
Body Sculpting, Advanced (36.0660002)
General Physical Education (36.0110002)
General Physical Education II (36.0120002)
General Physical Education III (36.0130002)
Physical Conditioning (36.052000X)
Team Sports (36.021000X)
Team Sports, Intermediate (36.031000X)
Team Sports, Advanced (36.041000X)
Weight Training (36.0540002)
Weight Training, Advanced (36.0640002)

### **Physical Education Careers:**

Emergency Medical Technician  
Physician's Assistant  
Dietitian

Medical Illustrator  
Pharmacist  
Nutritionist

Physical Therapist  
Sports Administrator  
Dental Assistant



## Foreign Language Sequences

Sequence	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year
<b>French</b>	French I	French II	French III	French IV
<b>Spanish</b>	Spanish I	Spanish II	Spanish III	Spanish IV or Dual Enrollment Courses
<b>Latin</b>	Latin I	Latin II	Latin III	
<b>German</b>	German I	German II	German III	
<b>Native Speakers Spanish</b>	Native Speaker I	Native Speaker II		

Students are not required to pass a foreign language to meet a high school graduation requirement. Most 4-year colleges/universities expect a student to successfully complete two years of the same foreign language.

Some students will earn Spanish and/or Latin high school credits while in middle school.

<b>Foreign Language Careers:</b>		
Foreign Correspondent	Interpreter	Immigration and Customs
International Operator	Linguist	Technical Translator
Anthropologist	Missionary	Foreign Travel Advisor
Government Intelligence Agent	Teacher	Foreign Aid Worker

## Other Electives

### **Foundations of Engineering and Technology (21.4250002)**

The introductory course for all Georgia Engineering and Technology Education pathways. This course provides students with opportunities to develop fundamental technological literacy as they learn about the history, systems, and processes of invention and innovation.

### **Robotics and Automated Systems (21.4450002)**

Upon completing this course, students will be able to apply their knowledge of computer aided design (CAD), computer numerical control (CNC), robotics, computer assisted manufacturing (CAM), programmable logic controllers, automated guided vehicles (AGV), and computer integrated manufacturing (CIM). *Prerequisite: Engineering Concepts.*

### **Foundation of Manufacturing and Materials Science (21.4410002)**

Foundations of Manufacturing and Materials Science is the introductory course for the Manufacturing career pathway. This course provides students with opportunities to become familiar with related careers and develop fundamental technological literacy as they learn about the history, systems, and processes of manufacturing. In addition, the course will provide an overview of the safe use of tools and equipment used in the industry. *Prerequisite: Foundations Engineering and Technology.*

### **Engineering Concepts (21.4710002)**

This course introduces students to the fundamental principles of engineering. Students learn about areas of specialization within engineering and engineering design, and apply engineering tools and procedures as they complete hands-on instructional activities. *Prerequisite: Foundation of Manufacturing and Materials Science.*

### **The Individual and the Law (45.0560001)**

#### **Mock Trial/ Debate**

Analyzes the foundations and functions of the American legal system. This course examines types of laws, the individual's relationship to the law and major court decisions. Integrates and reinforces social studies skills.

### **Constitutional Theory (45.0550001)**

#### **Mock Trial/ Debate**

Focuses on the philosophical basis for our judicial system and the history of the development of the law. This course examines major court decisions and the consequences of those decisions for society. Integrates and reinforces social studies skills. *Prerequisite: The Individual and the Law*

### **Ethics and the Law (45.0580001)**

#### **Mock Trail / Debate**

This elective course offers students an understanding of the basic legal components of the legal and criminal justice system in the United States. The entire course examines how the law and ethics are related and are pursued within our legal system. *Prerequisite: Constitutional Theory*

## Career, Technology, and Agriculture Education Department P.R.E.P. Academy

### **Career Pathways:**

Thomas County Central High School's P.R.E.P. Academy is proud to offer students the opportunity to pursue both educational and career goals by offering Career Pathways as defined in the Georgia High School Graduation Requirements. We currently offer 16 pathways in 8 different program areas.

A **Career Pathway** is a sequence of three or more courses that match a student's academic and career interests which provides hands-on training and skill building in a career area. Students who complete a Career Pathway will take an **End of Pathway Assessment** to earn a work-related credential in his or her chosen area of study.

CTAE courses described in this guide are listed by program area and pathway.

### **CTAE Courses for Science Credit:**

We currently offer CTAE courses that satisfy the fourth science requirement for high school graduation, have been approved by the Board of Regents as a fourth science course, and are used in the HOPE Scholarship calculation. This means these courses are accepted by Georgia colleges and universities as a science credit for admissions purposes.

These courses are:

02.42100 Animal Science Technology/Biotechnology  
01.46100 General Horticulture and Plant Science  
03.45100 Forest Science  
11.47100 Computer Science Principals  
11.01600 AP Computer Science Principles A  
11.47200 Programming, Games, Apps, and Society  
25.44000 Essentials of Healthcare

## AGRICULTURE FOOD AND NATURAL RESOURCES

### ***Pathway: Forestry/Wildlife Systems Pathway***

Course
Basic Agricultural Science and Technology (02.4710002)
Wildlife Management (03.4530002)
Forestry Science (03.4510002)

### ***Pathway: Veterinary Science Pathway***

Course
Basic Agricultural Science and Technology (02.4710002)
Animal Science and Biotechnology (02.4210002)
Veterinary Science (02.4240002)

### ***Pathway: Horticulture/Forest Science Pathway***

Course
Basic Agricultural Science and Technology (02.4710002)
Forestry Science (03.4510002)
General Horticulture and Plant Science (01.4610002)

### ***Pathway: Horticulture/Animal Science Pathway***

Course
Basic Agricultural Science and Technology (02.4710002)
General Horticulture and Plant Science (01.4610002)
Animal Science and Biotechnology (02.4210002)

### ***Pathway: Forestry/Animal Science Pathway***

Course
Basic Agricultural Science and Technology (02.4710002)
Forestry Science (03.4510002)
Animal Science and Biotechnology (02.4210002)

### ***Pathway: Plant and Landscape Systems Pathway***

Course
Basic Agricultural Science and Technology (02.4710002)
General Horticulture and Plant Science (01.4610002)
Nursery and Landscape (01.4700002)

### **Agriculture Careers:**

Ecologist	Field Inspector	Animal Nutritionist
Park Ranger	Fish Farmer	Wildlife Biologist
Crop Consultant	USDA Inspector	Game Warden
Botanist	Safety Engineer	Tractor Mechanic

## ARCHITECTURE, CONSTRUCTION, COMMUNICATIONS AND TRANSPORTATION

### AUTOMOTIVE

#### *Pathway: Transportation and Logistical Support*

Course
Basic Automotive Maintenance and Light Repair I (47.4311002)
Maintenance and Light Repair II (47.4321002)
Maintenance and Light Repair III (47.4331002)

<b>Automotive Careers:</b>		
Automotive Technician Aircraft Mechanic	Heavy Equipment Operator Machinery Mechanic	Electric Motor Technician Truck Driver

### AUDIO VIDEO PRODUCTION

#### *Pathway: Broadcast and Video Production*

Course
Audio & Video Technology & Film I (10.4181003)
Audio & Video Technology & Film II (10.4191003)
Audio & Video Technology & Film III (10.4201003)

#### *Additional Broadcast Video Production Electives*

Course	Eligible Grade Levels
Broadcast & Video Production IV (10.4141003)	11th & 12th Grades
Broadcast & Video Production Lab (10.4151002)	12th Grade

<b>Broadcasting Careers:</b>		
Technical Director Sound Engineer Reporters	Audio/Video Equipment Technician Radio and Television Announcer Television Producer	Broadcast News Analyst Broadcast Technician Video Editor

## WELDING

### *Pathway: Welding*

Course
Occupational Safety and Fundamentals (46.4450002)
Introduction to Metals (48.4810002)
Welding I (48.5510002)

### *Additional Welding Elective*

Course	Eligible Grade Levels
Welding II (48.5520002)	11th & 12th Grades

### Welding Careers:

Metal Fabricator Sheet Metal Worker	Welding Inspector Welder	Boilermaker Welding Engineer
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## BUSINESS EDUCATION

### *Pathway: Business and Technology*

Course
Introduction to Business and Technology (07.4413003)
Business and Technology (07.4410003)
Business Communication and Presentation Technology (07.4831003)

### *Pathway: Entrepreneurship*

Course
Introduction to Business and Technology (07.4413003)
Legal Environment of Business (06.4150002)
Entrepreneurial Ventures (06.4170002)

### *Additional Business Education Electives*

Course
Digital Design (11.4510002)
Human Resources Principles (06.4180002)

### Business Careers:

Computer Operator Office Manager Stock Broker Data Entry Clerk	Human Resource Manager Advertising Manager Business Manager Graphic Arts Designer	Paralegal Entrepreneur Lawyer Secretary
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## FAMILY AND CONSUMER SCIENCE

### *Pathway: Family and Consumer Science*

Course
Introduction to Early Childhood Education (20.4281002)
Early Childhood Education II (20.4240002)
Early Childhood Education III (20.4250002) <b>OR</b> Early Childhood Education Practicum (20.5260002)

### Family and Consumer Science Careers:

Preschool Teacher	Human Services Worker	Dietary Aide
Social Director	Convention Planner	Teacher Aide
Child Psychologist	Registered Dietician	Caterer

## HEALTHCARE SCIENCE TECHNOLOGY

### *Pathway: Therapeutic Services – Nursing*

Course
Introduction to Healthcare Science (25.4210002)
*Essentials of Healthcare (25.4400002)
Patient Care Fundamentals (25.5360002)

### *Pathway: Therapeutic Services – Medical Services*

Course
Introduction to Healthcare Science (25.4210002)
*Essentials of Healthcare (25.4400002)
Allied Health and Medicine (25.4370002)

*\*This course has an embedded credit of Human Anatomy and Physiology (26.0730000)*

### Healthcare Careers:

Registered Nurse	Health Educator	Dental Hygienist
Occupational Therapist	Physical Therapist	Pediatrician

## INFORMATION TECHNOLOGY

### *Pathway: Computer Science*

Course
Introduction to Digital Technology (11.4150002)
Computer Science Principles (11.4710003)
AP Computer Science (11.0160003)

### *Pathway: Programming*

Course
Introduction to Digital Technology (11.4150002)
Computer Science Principles (11.4710003)
Programming, Games, Apps, and Society (11.4720002)

### Information Technology Careers:

Computer Programmer	Computer Systems Analyst	Web Developer
Database Administrator	Software Developer	Network Architect

## COORDINATED CAREER ACADEMIC EDUCATION

Course
CCAIE I (32.4140002)
CCAIE II (32.4150002)
CCAIE III (32.4160002)

## WORK-BASED LEARNING

Work-based learning is an educational approach that uses the workplace to provide students with knowledge and skills that help them connect school experiences to real-life work activities. Work-based learning is available to juniors and seniors who are on track for graduation and meet the other prerequisites set by the program.

### *Pathway: Work-Based Learning Options*

Course	Eligible Grade Levels
Youth Apprenticeship	11th & 12th Grade
Co-Operative Education	11th & 12th Grade

An application is required and may be obtained from the WBL Coordinator in the P.R.E.P. Academy.



## Dual Enrollment

Georgia's Dual Enrollment Program allows qualified high school students to maximize their education and career training by taking courses that earn college and high school credit at the same time.

Under Dual Enrollment, students may take academic core courses that can transfer to TCSG colleges or USG colleges and universities. Students may also take occupational and career courses that can help jump start a career.

Students who are in the 9th, 10th, 11th, or 12th grades, attend a participating Georgia high school or an approved home study program may qualify to take college level courses under the Dual Enrollment Program.

### MAKE THE MOST OF YOUR TIME

- Smaller class sizes
- Summer, fall and spring terms
- Courses may be available at the TCSG college campus, high school campus, or online

### COLLEGE SAVINGS, NO TUITION COSTS

- Free tuition with textbooks provided by the college
- Experience the dynamics of a college classroom
- Be better prepared for your future

## FINE ARTS

### BAND

#### *Pathway: Band Electives*

Course
Concert I (53.0371023)
Concert II (53.0372023)
Concert III (53.0373023)
Concert IV (53.0374023)
Symphonic Band I (53.0371013)
Symphonic Band II (53.0372013)
Symphonic Band III (53.0373013)
Symphonic Band IV (53.0374013)
Wind Ensemble I (53.0381033)
Wind Ensemble II (53.0382033)
Wind Ensemble III (53.0383033)
Wind Ensemble IV (53.0384033)
Percussion I (53.0381013)
Percussion II (53.0382013)
Percussion III (53.0383013)
Percussion IV (53.0384013)
Jazz Ensemble I (53.0661003)
Jazz Ensemble II (53.0662003)
Jazz Ensemble III (53.0663003)
Jazz Ensemble IV (53.0664003)
AP Music Theory (53.0230004)

### CHORUS

#### *Pathway: Female Chorus Electives*

Course
Beginning Women's Chorus I (54.0241002)
Beginning Women's Chorus II (54.0242002)
Beginning Women's Chorus III (54.0243002)
Beginning Women's Chorus IV (54.0244002)
Advanced Women's Chorus I (54.0261002)
Advanced Women's Chorus II (54.0262002)
Advanced Women's Chorus III (54.0263002)
Advanced Women's Chorus IV (54.0264002)
Mixed Chorus I (54.0211002)
Mixed Chorus II (54.0212002)
Mixed Chorus III (54.0213002)
Mixed Chorus IV (54.0214002)
Advanced Chorus (50.0231002)

#### *Pathway: Male Chorus Electives*

Course
Beginning Men's Chorus I (54.0271002)
Beginning Men's Chorus II (54.0272002)
Beginning Men's Chorus III (54.0273002)
Beginning Men's Chorus IV (54.0274002)
Mixed Chorus I (54.0211002)

Mixed Chorus II (54.0212002)
Mixed Chorus III (54.0213002)
Mixed Chorus IV (54.0214002)
Advanced Chorus (54.0231002)

## DRAMATIC ARTS

### *Pathway: Drama Electives*

Course
Drama Arts I (52.0210002)
Drama Arts II (52.0220002)
Drama Arts III (52.0230002)
Drama Arts IV (52.0240002)
Advanced Drama I (52.0510004)
Advanced Drama II (52.0520004)
Advanced Drama III (52.0530004)

## VISUAL ARTS

### *Pathway: Visual Arts Electives*

Course
Visual Arts/Comprehensive I (50.0211002)
Visual Arts/Comprehensive II (50.0212002)
Visual Arts/Comprehensive III (50.0213002)
Visual Arts/Comprehensive IV (50.0214002)
AP Studio Art: 2D Design (50.4813004)

## PERFORMING ARTS

### *Pathway: Dance*

Course
Modern Dance I (51.0410002)
Modern Dance II (51.0420002)
Modern Dance III (51.0430002)

### Fine Arts Careers:

Band/Chorus	Drama	Visual Arts	Dance
Composer	Broadcaster	Graphic Designer	Choreographer
Film Score Composer	Filmmaker	Fashion Designer	Performing Artist
Choir Director	Performing Artist	Printmaker	Fitness Instructor
Conductor	Stage Manager	Illustrator	Movement Therapist
Production Engineer	Videographer	Museum Director	Teacher
Professional Musician	Television Personality	Art Historian	Dance Videographer

## COURSE CATALOG

**9<sup>th</sup> Grade Literature/Composition (23.0610002)** Students in 9<sup>th</sup> Grade Literature / Composition will build and reinforce language and writing skills. In this course students are also introduced to a variety of literature including drama, poems, short stories, novels, nonfiction, informational texts, and visual texts. Students will also be expected to produce a variety of compositions including narrative, expository, research, and informational writing. Each unit will integrate vocabulary, reading, writing, and grammar. Speaking and listening skills will also be reinforced. At the end of the course, all students are required to take the Milestone End Of Course test.

**9<sup>th</sup> Grade Literature/Composition, Advanced (23.0610003)**

Students in Advanced 9<sup>th</sup> Grade Literature / Composition will read a wide selection of literary and informational texts. The vast majority of reading will take place outside of class while class time will be focused on discussion and writing about the literature. This course will integrate language skills while using the writing process. Students will produce a variety of compositions and use technology to revise, edit, and publish. They will also make oral presentations that may include the use of visual representations. Each unit will integrate vocabulary, reading, writing, and grammar. At the end of the course, all students are required to take the Milestone End Of Course test.

**9<sup>th</sup> Grade Literature/Composition Honors, (Pre-AP) (23.0610004)**

Students in 9<sup>th</sup> Grade Literature / Composition Honors will participate in an in-depth study of the elements and genres of literature. Reading will take place outside of class. Class time will be focused on analyzing, discussing, and writing about the literature. Students will be expected to produce a variety of in-depth compositions that are based on research and literary analysis. They will also present oral communications using various forms and technologies. Each unit will integrate vocabulary, reading, writing, and grammar. At the end of the course, all students are required to take the Milestone End Of Course test. Students may earn credit for this course during their 8<sup>th</sup> grade year in middle school.

**10<sup>th</sup> Grade Literature/Composition (23.0620002)**

Students in 10<sup>th</sup> Grade Literature / Composition will build and reinforce language and writing skills. In this course students are also introduced to a variety of world literature including drama, poems, short stories, and novels from different countries and cultures. Nonfiction, informational texts, and visual texts will also be included. Students will also be expected to produce a variety of compositions including narrative, expository, research, and informational writing. Oral presentations will also be a requirement. Each unit will integrate vocabulary, reading, writing, and grammar.

**10<sup>th</sup> Grade Literature/Composition, Advanced (23.0620003)**

Students in Advanced 10<sup>th</sup> Grade Literature / Composition will read a wide selection of literary and informational texts from various countries and cultures. The vast majority of reading will take place outside of class while class time will be focused on discussion and writing about the literature. This course will integrate increasingly correct language skills while using the writing process. Students will produce a variety of compositions and use technology to revise, edit, and publish. They will also make oral presentations that may include the use of visual representations. Each unit will integrate vocabulary, reading, writing, and grammar.

**10<sup>th</sup> Grade Literature/Composition Honors, (Pre-AP) (23.0620004)**

Students in Honors 10<sup>th</sup> Grade Literature / Composition will participate in an in-depth study of the elements and genres of literature. Students should have a strong foundation of the elements of literature. Reading will take place outside of class. Class time will be focused on analyzing, discussing, and writing about the literature from various countries and cultures. Students will be expected to produce a variety of in-depth and well-written compositions that are based on research and literary analysis. They will also present oral communications using various forms and technologies. Each unit will integrate vocabulary, reading, writing, and grammar.

**Accelerated Algebra I/Geometry A, Honors (27.0994004)**

Accelerated Algebra I/Analytic Geometry A is the first in a sequence of mathematics courses designed to prepare students to take AB, BC Advanced Placement Calculus, or other higher level mathematics courses. The fundamental purpose of the course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, organized into units, deepen and extend understanding of functions by comparing and contrasting linear, quadratic, and exponential phenomena. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The pacing suggested will allow students to gain a foundation in linear, quadratic, and exponential functions before they are brought together to be compared and contrasted. As key characteristics of functions are introduced and revisited, students gain a deeper understanding of such concepts as domain and range, intercepts, increasing/decreasing, relative maximum/minimum, symmetry, end behavior, and the effect of function parameters. This course begins the study of geometry by building upon work students have done in 8th grade. The course provides students with the opportunity to develop a formal understanding of similarity and congruence, then expands on similarity and the Pythagorean Theorem to investigate right triangle trigonometry. All students are required to take the Milestone End Of Course test.

**Advanced Chorus I-IV (54.0231003) (54.0232003) (54.0233003) (54.0234003)**

Course provides advanced-level performers opportunities to increase performance skills and knowledge in mixed choral singing. It also covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences.

*Prerequisites: Performance audition and teacher recommendation.*

**Advanced Drama I-III (52.0510002) (52.0520002) (52.0523003)**

Introduces acting and theater as disciplined art forms; covers methods to observe and understand human behavior and to use those observations to create a character. This course includes basic techniques of stage movement and use of physical expression for communication. It also enhances vocal techniques and specific patterns for better verbal communication.

**Advanced Girl Chorus I - IV (54.0261002) (54.0262002) (54.0263002) (54.0264002)**

This course provides opportunities for advanced-level female performers to increase performance skills and knowledge in all-female choral singing. It covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music, with an emphasis on self-paced progress and group experiences.

**Algebra I (27.0990002)**

The first course in a sequence of three required high school courses designed to ensure career and college readiness. The course represents a discrete study of algebra with correlated statistics applications. At the end of the course, all students are required to take the Milestone End Of Course test.

**Algebra I, Adv (27.0990003)**

The first course in a sequence of three required high school courses designed to ensure career and college readiness. The course represents a discrete study of algebra with correlated statistics applications. This course moves at a quick pace and introduces standards that are addressed in the next course. At the end of the course, all students are required to take the Milestone End Of Course test.

**Algebra II (27.0992002) or Algebra II, Adv (29.0992003)**

The third course in a sequence of three high school courses designed to ensure career and college readiness. It is designed to prepare students for fourth course options relevant to their career pursuits.

**Algebra II, Honors (27.09920004)**

The third course in a sequence of three high school courses designed to ensure career and college readiness. It is designed to prepare students for fourth course options relevant to their career pursuits. This course moves at a quick pace and introduces standards that are addressed in the next course.

**Allied Health and Medicine (25.4370002)** This course is designed to offer students the opportunity to become effective and efficient multi-skilled healthcare providers as they develop a working knowledge of various allied health opportunities. Students focusing on a career path in the healthcare field may apply classroom/lab knowledge and skills in the clinical setting as they participate in direct or simulated client care. The curriculum allows instructors to provide options for classroom/student growth opportunities in area(s) of interest to the student.

**American Government/Civics (45.0570002)** An in-depth study of the American political system. This course focuses on the foundation, principles and structure of the American system of government, examines the role of political parties, social factors as they relate to the role of the citizen, and analyzes the decision-making process that are a part of the system of American political behavior. This course meets the state's Citizenship requirement for graduation.

**American Government/Civics, Adv (45.0570003)**

An in-depth study of the American political system. This course focuses on the foundation, principles and structure of the American system of government, examines the role of political parties, social factors as they relate to the role of the citizen, and analyzes the decision-making process that are a part of the system of American political behavior. This class moves at a faster pace and involves more opportunities for discussion and critical thinking. This course meets the state's Citizenship requirement for graduation.

**American Government, Honors (45.0570004)** An in-depth study of the American political system. This course focuses on the foundation, principles and structure of the American system of government, examines the role of political parties, social factors as they relate to the role of the citizen, and analyzes the decision-making process that are a part of the system of American political behavior. Students who complete the Honors American Government course are awarded five points on their averages at the end of the semester. Because of the additional points, students will be required to move at a faster pace and complete more rigorous assignments. Homework will be assigned on a weekly basis and students will be expected to participate in discussions based on outside readings. Critical thinking skills will be evaluated through assessments, discussion, and writings. This course meets the state's Citizenship requirement for graduation.

**American Literature/Composition (23.0510002)**

Students in American Literature / Composition will build upon their foundation of language and writing skills. A survey of American literature including literary and nonfiction texts provides the source for critical thinking and literary essays including a research paper. Students will examine different periods, regions, and authors in American literature. Students will also present oral communications. Each unit will integrate vocabulary, reading, writing, and grammar. At the end of the course, all students are required to take the Milestone End Of Course test.

**American Literature/Composition, Advanced (23.0510003)**

This course emphasizes the analysis of a variety of literary and nonfiction/informational texts from American literature. The vast majority of reading will take place outside of class. Students will focus on literary and thematic elements from a variety of American authors and examine different periods, regions, and authors. Students will use critical thinking in both reading and writing. An array of compositions (including literary analysis, narrative, expository, and research) utilizing correct grammar and language skills will be expected. At the end of the course, all students are required to take the Milestone End Of Course test.

**American Literature/Composition, Honors (23.0510004)**

This course is an in-depth study of literary and nonfiction/informational texts from American literature.

Reading will take place outside of class; class time will be focused on analyzing, discussing, and writing about American literature. Students will focus on literary and thematic elements from a variety of American authors and examine different periods, regions, and authors. Students should have a strong foundation of the elements of literature, and will use critical thinking in both reading and writing. An array of compositions (including literary analysis, narrative, expository, and research) utilizing correct grammar and language skills will be expected. Each unit will integrate vocabulary, reading, writing, and grammar. At the end of the course, all students are required to take the Milestone End Of Course test.

### **Animal Science and Biotechnology (02.4210002)**

Introduces scientific principles applied to the animal industry; covers reproduction, genetics, nutrition, technology, processing, and distribution of agricultural animal products. *Prerequisite: Basic Agriculture*

### **AP Art History (50.0921004)**

Conforms to College Board topics for the Advanced Placement History of Art Examination. Covers prehistory to Egyptian, Greek and Roman, Early Christian, Byzantine, Early Medieval, Romanesque, Gothic, Renaissance and Mannerist, 17th and 18th century, 19th century, 20th century and non- Western art.

### **AP Biology (26.0140004)**

AP Biology is a course designed for students that have a strong interest in, or desire to pursue a career in, the sciences. This course is designed to offer students topics that are covered in a freshman Biology course at the university level. Students accepting the challenge of an Advanced Placement course will be required to actively participate in all lectures and laboratory activities that are conducted during the year. To succeed in AP Biology students must be highly motivated to learn.

Reading requirements for the course are rigorous and require a daily commitment in order to stay caught up in the class. Exams generally cover 3 - 4 chapters in the text and occur every 2-3 weeks depending on the content being covered and the number of labs that are conducted during the unit. Laboratory activities suggested by the College Board are conducted to give the student a fair representation of a university-level Biology course. In addition to the College Board laboratories, the instructors add activities when they supplement the unit effectively.

### **AP Calculus AB (27.0720004)**

AP courses in calculus consist of a full high school academic year of work and are comparable to calculus courses in colleges and universities. It is expected that student who take an AP course in calculus will seek college credit, college placement or both from institutions of higher learning. Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The courses emphasize a multi-representational approach to calculus, with concepts, results and problems being expressed graphically, numerically, analytically and verbally. The connections among these representations also are important.

### **AP Chemistry (40.0530004)**

AP Chemistry covers topics and information normally contained in a first-year college general chemistry course. This course is intended to prepare students for success on the AP Chemistry Exam. Emphasis will be given to areas not covered in Chemistry, including, but not limited to Kinetic-Molecular Theory of Matter, Solutions, Acid-Base Reactions, Thermochemistry, Oxidation/Reduction Reactions, Equilibrium, and Nuclear Chemistry.

### **AP Computer Science A (11.0160004)**

This course conforms to the College Board syllabus for the Advanced Placement Computer Science Examination. Student will cover programming methodology, features of programming languages, fundamental data structures, algorithms, and computer systems. *Prerequisite: Computer Science Principles*

### **AP Environmental Science (26.0620004)**

AP Environmental Science is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze



environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The following themes provide a foundation for the structure of the AP Environmental Science course:

- (1) Science is a process
- (2) Energy conversions underlie all ecological processes
- (3) The Earth itself is one interconnected system
- (4) Humans alter natural systems
- (5) Environmental problems have a cultural and social context
- (6) Human survival depends on developing practices that will achieve sustainable systems.

#### **AP Focus (35.0610004)**

A companion course to other AP courses for students who desire to take AP courses and who can benefit from structured support and test preparation built into the school day. This class will make the AP curriculum more accessible to students whose time after school might be limited by involvement in extracurricular activities or other undertakings. Students in the AP Focus class will receive personalized guidance in completing their AP assignments for other courses, AP/SAT/ACT test preparation, and other support to promote high achievement.

#### **AP Government/Politics (45.0520004 or 45.0520014)**

This course conforms to College Board topics for the Advanced Placement United States Government and Politics Examination. It covers federalism, separation of powers, influences on the formulation and adoption of the Constitution, political beliefs, political parties and elections, interest groups, institutions and policy processes and civil liberties and civil rights. *(Course may substitute for 45.05700)*

#### **AP Human Geography (45.0770004)**

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

**AP Literature/Composition (23.0650001)** Using college level expectations, this course emphasizes wide reading and analysis of world literature including fiction, nonfiction, and poetry. Students analyze literary elements and writer's style related to purpose, audience, and theme. Literary analysis will also be a major focus of the composition strand. Students will use proof, advanced syntax, and vocabulary in compositions written on demand and using the writing process. Students prepare to complete the Advanced Placement Examination in English Literature and Composition.

#### **AP Music Theory (53.0230004)**

*Prerequisites: This course is designed for students who have a firm grasp of the musical concepts introduced in our school's music program. All AP Music Theory students must know how to read music before beginning the class. Students will be admitted to the class based on teacher recommendation.*

This class presents a more academic study of music, rather than the traditional performance based approach. Students will learn why music sounds the way it does through the study of several different musical disciplines. Students will develop an understanding of the mechanics of music by: reviewing fundamental musical concepts from an academic standpoint; listening to, analyzing, and studying music composed by musicians ranging from Beethoven to the Beatles; and composing original works. Additionally, students will develop a very special set of aural skills allowing them to notate music they hear and sing written music without a prior knowledge of the way it sounds.

#### **AP Physics I (40.0831004)**

Physics is an advanced level science class that satisfies the high school graduation requirement of a physical science class.

Students should have successfully completed or be currently enrolled in Accelerated Math III. The physics



curriculum includes interactions of matter and energy, velocity, accelerations, force, energy, momentum and charge.

Students will be challenged to apply their knowledge of the laws of physics to solve physics related critical thinking problems. Students will complete a long term science project that will count as multiple test and projects grades for each nine week grading period. Students are also required to read an outside novel as part of the Common Core Reading standards for science.

### **AP Psychology (45.0160004)**

AP Psychology is a full year course covering the content matter and taught at the difficulty level of a General Psychology college course. It stresses basic facts, concepts and generally accepted principles in psychology. Areas to be covered are physiology and behavior, perceptual and sensory experiences, motivation and emotion, learning, cognition, life-span development, personality and adjustment, behavioral disorders, social psychology and measurement and statistics.

### **AP Statistics (27.0740004)**

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

Exploring Data: Describing patterns and departures from patterns

Sampling and Experimentation: Planning and conducting a study

Anticipating Patterns: Exploring random phenomena using probability and simulation

Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course.

### **AP Studio Art: 2D Design (50.0831004)**

This course conforms to College Board topics for the Advanced Placement Studio 2D Design Portfolio Examination. Requires submission of original works and slides to be evaluated on quality. It provides experiences using different drawing media and approaches; designed for students interested in the practical experiences of art.

### **AP United States History (45.0820004)**

This course is designed to provide a college- level experience and preparation for the AP Exam. An emphasis is placed on interpreting documents, mastering a significant body of factual information, and writing critical essays. Topics include life and thought in colonial America, revolutionary ideology, constitutional development, Jeffersonian and Jacksonian democracy, nineteenth-century reform movements, and Manifest Destiny. Other topics include the Civil War and Reconstruction, immigration, industrialism, Populism, Progressivism, World War I, the Jazz Age, the Great Depression, the New Deal, World War II, the Cold War, the post-Cold War era, and the United States at the beginning of the twenty- first century. In order for this course to fulfill the United States history graduation requirement in Georgia students will need to complete the U.S. History End-of-Course Test (EOCT). AP United States History extends beyond content recall knowledge and carries the expectation that students will develop skills that are necessary to perform well on the AP Exam and in future college experience. These skills include writing analytically, interpreting historical documents, evaluating history from multiple perspectives, speaking skills, etc.

### **AP World History (45.0811004)**

Conforms to the College Board topics for Advanced Placement World History. Includes study of cultural, political, social and economic history. Stresses research and writing skills. *(May substitute for 45.08300)*

### **Audio & Video Technology & Film I (10.4110003)**

This is the introductory class for the AVTF pathway. It focuses on the use of basic production equipment to produce industry standard broadcasts. Students will focus on terminology, safety, set up and use of basic equipment, script writing, and field production.

**Audio & Video Technology & Film II (10.5191003)**

Topics in this course include Planning, Writing, Directing and Editing a Production; Field Equipment Functions; Operational Set-Up and Maintenance; Advanced Editing Operations; Studio Productions; Performance; Audio/Video Control Systems; Production Graphics; Career Opportunities; and Professional Ethics.

*Prerequisites: AVTF I*

**Audio & Video Technology & Film III (10.5201003)**

This course is designed to facilitate student-led projects under the guidance of the instructor. Students work cooperatively and independently in all phases of production. *Prerequisites: AVTF II*

**Basic Agricultural Science and Technology (02.4710002)**

This course is designed as an introduction or support course for the Agriscience Pathway Program of Study. The course introduces the major areas of scientific agricultural production research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies.

Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

**Beginning Boys Chorus I –IV (54.0271002) (54.0272002) (54.0273002) (54.0274002)**

This course provides opportunities for young men to develop performance skills and knowledge in all-male choral singing. It covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. It organizes objectives for self-paced progress through all four levels. It stresses individual progress and group experiences.

**Beginning Mixed Chorus I-IV (54.0211002) (54.0212002) (54.0213002) (54.0214002)**

This course provides opportunities for young men and women to develop performance skills and knowledge in all-male choral singing. It covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. It organizes objectives for self-paced progress through all four levels. It stresses individual progress and group experiences.

**Beginning Girls Chorus I-IV (54.0241002) (54.0242002) (54.0243002) (54.0244002)**

This course provides opportunities for young women to develop performance skills and knowledge in all-female chorus singing. It covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music, with an emphasis on self-paced progress and group experiences.

**Biology (26.0120002)**

The biology curriculum is designed to continue student investigations of the life sciences that began in grades K-8 and provide students the necessary skills to be proficient in biology. This curriculum includes more abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the behavior of organisms, and biological evolution. Students will investigate biological concepts through experience in laboratories and field work using the processes of inquiry. At the end of the course, all students are required to take the Milestone End Of Course test.

**Biology, Advanced (26.0120003)**

The objective of this course is to develop an understanding of biological concepts using the scientific process. Explorations and application of key concepts will be conducted through lab experiments and various learning strategies including self-questioning and visual learning approaches. Student in Advanced Biology will be expected to complete a rigorous curriculum that includes the application of higher level thinking skills and writing proficiency related to the topics advanced Molecular Genetics, Cellular Energetics, Biodiversity and Human Anatomy & Physiology in addition to content prescribed by the GPS. At the end of the course, all students are required to take the Milestone End Of Course test.

**Biology, Honors (26.0120004)**

*Prerequisites: Successful completion of one unit of high-school physical science (can be taken in 8<sup>th</sup> grade), passing score on physical science EOCT, and teacher recommendation.* Honors Biology is designed to challenge students through a rigorous, in-depth exploration of major biological concepts: cell structure, function, and reproduction; cellular energetics; heredity; molecular genetics; biotechnology; evolution; biodiversity; ecology; and selected topics in human anatomy and physiology. Explorations and application of key concepts will be conducted through lab exercises, simulations, and hands-on activities. At the end of the course, all students are required to take the Milestone End Of Course test.

**Body Sculpting (36.0560002)**

Course provides methods to redefine body shape through specific exercises. Covers weight training, conditioning exercises and proper nutrition to improve muscle tone, muscle definition, posture, bodily proportions, overall condition of the body and increase energy levels. Based on the American College of Sports Medicine guidelines for fitness and conditioning programs.

**Body Sculpting, Advanced (36.0660002)**

This course provides additional opportunities to redefine body shape through specific exercises. Covers weight training, conditioning exercises and proper nutrition to improve muscle tone, muscle definition, posture, bodily proportions, overall condition of the body and increase energy levels. Based on the American College of Sports Medicine guidelines for fitness and conditioning programs. It promotes healthy means to body sculpting goals

**British Literature/Composition (23.0520002)** Students in British Literature/Composition will build upon their foundation of language and writing skills. A survey of British literature including literary and nonfiction texts provides the source for critical thinking and literary essays including a research paper. Students will examine different periods, regions, and authors in British literature. Students will also present oral communications. Each unit will integrate vocabulary, reading, writing, and grammar.

**British Literature/Composition, Advanced (23.0520003)**

This course emphasizes the analysis of a variety of literary and nonfiction / informational texts from British literature. The vast majority of reading will take place outside of class. Students will focus on literary and thematic elements from a variety of British authors and examine different periods, regions, and authors. Students will use critical thinking in both reading and writing. An array of compositions (including literary analysis, narrative, expository, and research) utilizing correct grammar and language skills will be expected.

**Broadcast & Video Production IV (10.4141003)**

BVP IV students incorporate all the elements of BVP II and III and add the component of developing a portfolio of their compiled work in the advanced classes of BVP. The portfolios are packaged and sent to colleges and/or universities that offer broadcasting or mass media as a program area. These portfolios are submitted in the hopes of securing consideration for scholarship opportunities that might exist within those schools/programs.  
*Prerequisite: AVTF III*

**Broadcast & Video Production Lab (10.4151002)**

Students are offered the opportunity to hone their skills garnered in the advanced BVP classes through independently guided projects and opportunities through the Fundamentals of Communication class. These projects and opportunities include work through local radio stations, development and production of community and school oriented projects, movie production, interviews, portfolio development, etc.  
*Prerequisites: AVTF III*

**Business and Technology (07.4410003)** Business and Technology is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Mastery use of spreadsheets and the ability to apply leadership skills to make informed business decisions will be a highlight of this course for students. Publishing industry appropriate documents to model

effective communication and leadership will be demonstrated through project based learning. *Prerequisite: Introduction to Business & Technology*

### **Business Communication and Presentation Technology (07.4831003)**

This course provides students with an understanding of communication skills and current and upcoming technology and its impact personally and professionally.

Competency will be developed in the areas of oral and written communication, interpersonal skills, and the use of current technology. *Prerequisite: Business and Technology*

### **Coordinated Career Academic Education (CCAЕ) I – III (32.4140002) (32.4150002) (32.4160002)**

Through participation in a CCAЕ, students learn about the world of work. These support services provide opportunities for students to sharpen their academic and employability skills.

Students develop confidence, maturity, and self-esteem through meeting academic challenges, completing projects, and participating in a Career and Technical Student Organization. CCAЕ Level I includes the basic services offered by CCAЕ: safety, academic achievement, career technical student organizations, self-assessment, career pathways, career readiness, and employment performance. CCAЕ Level II includes review of basic services and orientation of CCAЕ, goal setting, interpersonal skills, consumer management, advancements in employment, and transition. CCAЕ Level III includes the basic services offered by CCAЕ: safety; requirements for work-based learning; reports of observation and research; employee work habits; workplace-related skills in reading and writing; workplace-related skills in speaking, listening and following directions; basic workplace skills; working relationships and ethical choices; working as part of a team; career resilience; and becoming an invaluable employee.

### **Chemistry (40.0510003)**

Chemistry is a laboratory science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. This course provides students with an understanding of chemical principles and skills that are needed for college. The study of chemistry includes laboratory investigation, problem solving activities, textbook study, lecture, and class discussion.

### **Chemistry, Honors (40.0510004)**

This is a more rigorous chemistry course, requiring additional mathematical skill, and a greater commitment from the student. The course includes the same content as in the Chemistry course with additional emphasis on advanced topics for the college bound or AP Chemistry students.

**Computer Science Principles (11.4710003)** This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating. *Prerequisite: Introduction to Digital Design*

### **Concert Band I-IV (53.0371023) (53.0372023) (53.0373023) (53.0374023)**

This class is primarily designed for students who want limited after school commitment. It is a primarily non-performing band class and meets once per day during school. Membership requirements are:

- Must have a functional wind or percussion instrument
- Must have had some experience playing in band
- Must commit to improving playing skills to the level of a performing band member
- Members may participate in performances provided skills test on music to be performed are successfully completed and rehearsal requirements are met. Scheduled after school rehearsals and performances are not required.

### **Constitutional Theory: Mock Court and Debate (45.0550001)**

A course that focuses on the philosophical basis for our judicial system and the history of the development of the law. It examines major court decisions and the consequences of those decisions for society. Integrates and reinforces social studies skills.

**Digital Design (11.4510003)**

Using web design as the platform for product design and presentation, students will create and learn digital media applications using elements of text, graphics, animation, sound, video and digital imaging for various format. The digital media and interactive media projects developed and published showcase the student skills and ability. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management, digital citizenship, and web processes. Students will create and design web sites that incorporate digital media elements to enhance content of web site.

**Drama Arts I-IV (52.0210002) 52.0220002) (52.0230002) (52.0240002)**

Dramatic Arts I serves as prerequisite for other theater/drama courses. Develops and applies performance skills through access to basic vocal, physical and emotional exercises; includes improvisation and scene study and related technical art forms. Level II enhances level-one skills by producing and studying children's theater in depth with performance opportunities. Level III enhances level-two skills by producing and studying literature as related to theater. It also provides opportunities for performance with focus on language arts classes. Level IV enhances level-three skills by producing and writing plays for presentation; explores the role of the playwright. This level provides opportunities for practical application.

**Early Childhood Education I (20.4281002)**

This course addresses early childhood care, education, and development issues that include guiding the physical, cognitive, creative, social, emotional, and moral development of children. This course of study includes planning and guiding developmentally appropriate practices for working with young children, including career paths, principles and theories of child development, the creation of a developmentally appropriate learning environment, collaborative relationships and guidance, lesson planning, and appropriate response to cultural diversity and students with special needs.

**Early Childhood Education II (20.4240002)** This course provides a history of education, licensing and accreditation requirements, and foundations of basic observation practices and applications. Early childhood care, education, and development issues are also addressed and include health, safety, and nutrition education; certification in CPR/First Aid/Fire Safety; information about child abuse and neglect; symptoms and prevention of major childhood illnesses and diseases; and prevention and control of communicable illnesses.

*Prerequisite: Early Childhood Education I*

**Early Childhood Education III (20.4250002)**

This course provides in-depth study of early brain development and its implications for early learning, appropriate technology integration, and developmentally appropriate parenting and child guidance trends. Also addressed are collaborative parent/teacher/child relationships and guidance, child directed play, the changing dynamics of family culture and diversity, the causes and effects of stress on young children, and infant nutrition. *Prerequisite: Early Childhood Education II*

**Early Childhood Education Practicum (20.5260002)**

The internship offers a candidate in the Early Childhood Education career pathway a field experience under the direct supervision of a certified early childhood educator (mentor). The internship stresses observing, analyzing, and classifying activities of the mentor and comparing personal traits with those of successful early childhood educators. The candidate intern will develop a portfolio of their skills, plan and teach a lesson or lessons, understand and practice confidentiality as it pertains to early childhood education, meet the needs of special education students, maintain the safety of the students, and practice professionalism and ethical behavior. This is a two hour class. *Requires a two period block. Prerequisite: Early Childhood Education II*

**Earth Systems (40.0640002)**

The Earth Systems Science curriculum includes the following topics—the atmosphere, hydrosphere, geosphere, and biosphere – interact through time to produce the Earth’s landscapes, ecology, and resources. Students will be required to complete an outside reading assignment and participate in multiple hands- on lab activities as well as virtual labs that relate the real world to Earth Systems Science.

**Economics (45.0610002)**

Introduction to Economics is a one semester course required for all students. At the successful completion of the course, students will receive one half social studies credit. The course content is studied at the pace set by the Georgia Performance Standards and the guide set by the social studies department. This course examines the key concepts of Economics, with an emphasis on the role of the citizen within the market structure of the United States. The following topics will be studied: Foundations of economics, Economic systems & Free Enterprise system, Supply & demand, Market competition, Fiscal & monetary policies, and International Economics. At the end of the course, all students are required to take the Milestone End Of Course test.

**Economics, Advanced (45.0610003)** Advanced Economics focuses on the workings and institutions of modern-day economic systems and economic theory rather than consumer economics content. Once completed, the student should have an above average understanding of the functions of supply and demand in market economies, strengths and weaknesses of Capitalism, and the impact of government policies on the economy. Students apply the knowledge and understanding acquired in their study of economic factors over time to their study of contemporary problems in economics. The study of economics includes the use and interpretation of maps, charts, graphs, tables, and other expressions of statistical data. At the end of the course, all students are required to take the Milestone End Of Course test.

**Economics, Honors (45.0610004)**

Honors Economics is a one semester course that takes students on an intellectual journey to help them understand the complexity of America's economy. This course focuses on the basic issue of scarcity and how it affects consumer decision-making as well as choices made by countries. At the end of the course, all students are required to take the Milestone End Of Course test.

**Engineering Concepts (21.4710002)**

This course introduces students to the fundamental principles of engineering. Students learn about areas of specialization within engineering and engineering design, and apply engineering tools and procedures as they complete hands-on instructional activities.

**Entrepreneurship (06.4170002)**

This course concentrates on the management skills necessary for successful business operation. Students will study strategies for developing and implementing business plans; structuring the organization; financing the organization; and managing information, operations, marketing and human resources. Students will gain a competitive edge for the global marketplace through the creation and management of a business.

*Prerequisites: Business and Technology*

**Environmental Science (26.0611002)**

The Environmental Science curriculum is designed to extend student investigations that began in grades K-8. This curriculum is extensively performance, lab and field based. It integrates the study of many components of our environment, including the human impact on our planet. Instruction should focus on student data collection and analysis. Some concepts are global; in those cases, interpretation of global data sets from scientific sources is strongly recommended. It would be appropriate to utilize resources on the Internet for global data sets and interactive models. Chemistry, physics, mathematical, and technological concepts should be integrated throughout the course.

**Essentials of Healthcare (25.4400002)** The Essentials of Healthcare is a medical- focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders. *This course has an embedded credit for Human Anatomy and Physiology (26.0730002). Prerequisite: Introduction to Healthcare Science*



**Ethics and the Law: Mock Court and Debate (45.0580001)**

This elective course offers students an understanding of the basic legal components of the legal and criminal justice system in the United States. The entire course examines how the law and ethics are related and are pursued within our legal system. *Prerequisite: Constitutional Theory*

**Forensics (40.0930002)**

Students must have successfully completed or be concurrently enrolled in biology, chemistry, or human anatomy. The class is designed around authentic performance assessments with students working in teams to solve crimes using scientific knowledge and reasoning. It involves all areas of science including biology, anatomy, chemistry, physics, and earth science with an emphasis in complex reasoning and critical thinking. In addition, students must incorporate the use of technology, communication skills, language arts, art, family and consumer science, mathematics and social studies.

**Forestry Science (03.4510002)**

Provides entry-level skills for employment in the forest industry and for further study; covers establishing forests by natural and artificial means, maintaining and surveying forest, identifying and protecting trees, practicing silviculture, measuring trees and land, mapping, preparing for timber sales and harvest, employing multiple-use resource management, keeping records, and figuring taxes.

*Prerequisite: Basic Agriculture*

**Foundations of Algebra I (27.0481002)**

A first year high school mathematics course option for students who have completed mathematics in grades 6 – 8 yet will need substantial support to bolster success in high school mathematics. The course is aimed at students who have reported low standardized test performance in prior grades and/or have demonstrated significant difficulties in previous mathematics classes. There are specific eligibility requirements for enrollment in this course.

**Foundations of Engineering and Technology (21.4250002)**

The introductory course for all Georgia Engineering and Technology Education pathways. This course provides students with opportunities to develop fundamental technological literacy as they learn about the history, systems, and processes of invention and innovation. *Prerequisite: Foundations of Manufacturing Materials*

**Foundations of Manufacturing Materials (21.4410002)**

Foundations of Manufacturing and Materials Science is the introductory course for the Manufacturing career pathway. This course provides students with opportunities to become familiar with related careers and develop fundamental technological literacy as they learn about the history, systems, and processes of manufacturing. In addition, the course will provide an overview of the safe use of tools and equipment used in the industry.

**French I (60.0110003)**

This beginning course introduces basic vocabulary and emphasizes development of reading, writing, listening, and speaking skills. It focuses on pronunciation and formation of short complete sentences. French-speaking areas, their customs and culture are studied.

**French II (60.0120003)**

This course provides students with an opportunity to enhance level one skills while they further develop their ability to read, write, listen and speak in French. Students also increase their understanding of French culture.

**French III (60.0130003)**

This course provides a more in-depth study of the French language. Students practice previously learned language skills through discussion, summation of written articles and videos, and work with authentic materials from the French culture.

**French IV (60.0140003)**

This course is an introduction to college-level French. Students continue to improve their skills in reading,

writing, listening, and speaking, while exploring more complex grammatical concepts.

### **General Horticulture and Plant Science (01.4610002)**

Provides methods to produce, process, and market plants, shrubs, and trees used principally for ornamental, recreational, and aesthetic purposes and to establish, maintain, and manage horticultural enterprises.

### **General Physical Education I-III (36.0110002) (36.0120002) (36.0130002)**

General physical education courses are set up to provide a general overview of team and individual sports as well as one's own personal fitness. This includes the rules and regulations of sports as well as recreational games and dance. This includes, but is not limited to, the following activities: football, tennis, soccer, softball, basketball, volleyball, jogging, dodge- ball, square dance, aerobics, cross country running, and weight-lifting.

### **Geometry (27.0991002) or Geometry, Adv (27.0991003)**

The first course in a sequence of three required high school courses designed to ensure career and college readiness. The course represents a discrete study of algebra with correlated statistics applications. All students are required to take the Milestone End Of Course test.

### **Geometry, Honors (27.0991004)**

The first course in a sequence of three required high school courses designed to ensure career and college readiness. The course represents a discrete study of algebra with correlated statistics applications. This course moves at a quick pace and introduces standards that are addressed in the next course. All students are required to take the Milestone End Of Course test.

### **German I (60.0110003)**

Introduces the German language; emphasizes all skills: listening, speaking, reading, and writing in an integrated way. Includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of German- speaking cultures.

### **German II (60.0120003)**

Enhances Level One skills in German and provides opportunities to develop listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to increase understanding of German-speaking cultures.

### **German III (60.0130003)**

Enhances Level Two skills in German and provides further opportunities to increase listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in previous topics and introduces new topics; offers further opportunities to increase understanding of German-speaking cultures.

### **Health (17.0110012)**

Health is a required semester course that increases the students' awareness of health, safety, and first aid. The course is taught in conjunction with the required personal fitness course. Topics covered include mental health, nutrition, diseases, drug and alcohol education, safety, and first aid procedures. Emphasis is placed on the application of good health practices to everyday life. In addition, the Alcohol and Drug Awareness Program is taught by the Georgia State Patrol during the course of the semester.

**Human Anatomy and Physiology (26.0730002)** This course is a lecture and laboratory course involved in studying the structure and function of the human body. Students must have a strong interest in the Healthcare field and have successfully completed biology and/or chemistry. Students study basic terminology and cell structure and then extend into a survey of the organ systems. Laboratory study is enhanced via microscopic study of tissues, preserved specimens and anatomic models. It includes a familiarity with the basic anatomical and histological organization of the human body and its physiology. Pathology is also studied as examples of disruption to normal body homeostasis.



**Human Resources Principles (06.4180002)** Students will analyze the primary functions of human resources management which include recruitment, selection, training, development, compensation, and evaluation. The course is designed to equip students with operational knowledge of hiring, managing, and firing employees. Throughout this course students will be introduced to the Human Resource Management role by following the life cycle of an employee from organizational entry to exit.

**Individual and the Law: Mock Court and Debate (45.0560001)**

This course analyzes the foundations and functions of the American legal system. It also examines types of laws, the individual's relationship to the law and major court decisions. Integrates and reinforces social studies skills.

**Intermediate Mixed Chorus I-IV (54.0221002) (54.0222002) (54.0223002) (54.0224002)**

Provides intermediate-level performers opportunities to increase performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences.

**Introduction to Business & Technology (07.4411003)**

This is a foundations course which introduces students to employability skills needed to be successful in business. Students will utilize computer skills to create, edit and publish industry standard documents related to various facets of business including communication, management, finance, human resources and entrepreneurship.

**Introduction to Digital Technology (11.4150002)**

Introduction to Digital Technology is the foundational course for Web & Digital Communications, Programming, Advanced Programming, Information Support & Services, and Network Systems pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in hardware, software, programming, web design, IT support, and networks are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world.

Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to digital world. Introduction to Digital Technology is a course that is appropriate for all high school students. The pre-requisite for this course is advisor approval.

**Introduction to Healthcare Science (25.4210002)**

This course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as, ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support. Students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Health and Safety administration (OSHA) and Center for Disease Control (CDC).

**Introduction to Metals (48.4810002)**

This course is designed to acquaint students with the three major technical occupations (welding, sheet metal, and machining) that are available in the metal forming, manufacturing, and metals/construction industries. The

various activities equip students with the skills needed to select a metal industry occupation, enter the work force, and continue to advance in one of these specialized metals occupations. Experiences include an introduction to the basic requirements of each of these fields, exposure to the structure and nature of career opportunities, and an introduction to types of training and skills required and the use of specialized tools, equipment, and materials. *Prerequisite: Foundations of Occupational Safety*

### **Jazz Ensemble I-IV (53.0661003) (53.0662003) (53.0663003) (53.0664003)**

The jazz ensemble is a class that meets each day during school. All members of the jazz ensemble must be members in good standing of our band program. Membership is based on traditional big band instrumentation. The jazz ensemble performs many times throughout the year at community events. The jazz ensemble also performs at the Christmas and Spring Band Concerts. All students must be approved by a director.

### **Journalism I, II and III (23.0320002) (23.0330002) (23.0330002)**

This course explores journalistic writing through analysis of newspapers, yearbooks, literary magazines, and broadcast journalism publications; concentrates on purpose, influence, structure, and language use through reading, writing, and critical thinking. It covers news gathering, ethics, copy writing, editing, and revising. It may include typesetting, circulation, and production as minor aspects if a publication is produced. This class is responsible for the publication of the yearbook.

### **Latin I (61.0410003)**

In Latin I, students begin acquiring reading skills in Latin as well as strengthening their English reading and vocabulary skills through vocabulary building and analyzing sentence structure. Through the reading selections and class discussions, students learn about the daily lives of the Romans and make comparisons relevant to today's society. Although students do not conduct face-to-face conversations in Latin, they may use Latin orally to initiate and respond to simple statements and commands as well as read Latin aloud. Elementary writing tasks also build a bridge to understanding the written word.

### **Latin II (61.0420003)**

Enhances Level One skills and provides opportunities to translate longer, more challenging passages. Emphasizes how ancient Roman language and civilization has influenced Western language and civilization.

### **Latin III (61.0430003)**

Enhances previously learned skills and introduces original works by Latin authors. The works of the authors may be selected in any order for courses designated at the third, fourth, and fifth year levels. The authors whose works are studied are Catullus, Cicero, Horace, Ovid, and Vergil. Selected works from authors such as Aulus Gellius, Juvenal, Livy, Martial, Cornelius, Nepos, Plautus, Sallust, Pliny, as well as authors from later Latin, can be included. Explores the political, economic, social characteristics represented in the works studied and examines the various writing styles of the authors.

**Legal Environment of Business (06.4150002)** This course concentrates on the legal aspects of business ownership and management. Legal issues will include contracts, sales, consumer law, agency and employment law, personal and real property, risk management, environmental law, and government effects on business. The impact of ethics on business operations will be studied. *Prerequisite: Introduction to Business and Technology*

**Maintenance and Light Repair I (47.5311002)** Students in this course will learn the basic skills needed to gain employment as a maintenance and light repair technician. Students will be exposed to courses in automotive preventative maintenance and servicing and replacing brakes, and steering and suspension components. In addition, student will learn how to do general electrical system diagnosis, learn electrical theory, perform basic tests and determine necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant. The hours completed in this course are aligned with ASE/NATEF standards and are a base for the entry-level technician.

**Maintenance and Light Repair II (47.5321002)** This course will expand on concepts in the first course including intermediate automotive preventative maintenance and servicing skills, as well as replacing brakes, and steering and suspension components. Students will also learn general electrical system diagnosis, electrical theory, basic test requirements, and determining necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant. *Prerequisite: Maintenance and Light Repair I*

**Maintenance and Light Repair III (47.5331002)** Students will advance their knowledge and skills as maintenance and light repair technicians by continuing their study of automotive preventative maintenance and servicing using classroom instruction, on-line modules and live work in the lab. *Prerequisite: Maintenance and Light Repair II*

**Math for College Readiness (27.0890002)** College Readiness Mathematics is a fourth course option for students who have completed Algebra I or Coordinate Algebra, Geometry or Analytic Geometry, and Algebra II or Advanced Algebra, but are still struggling with high school mathematics standards essential for success in first year post-secondary mathematics courses required for non-STEM majors. The course is designed to serve as a bridge for high school students who will enroll in non-STEM post-secondary study and will serve to meet the high school fourth course graduation requirement. The course has been approved by the University System of Georgia as a fourth mathematics course beyond Algebra II or Advanced Algebra for non-STEM majors, so the course will meet the needs of college-bound seniors who will not pursue STEM fields.

**Mathematics of Finance (27.0870002)**

A fourth course option which concentrates on the mathematics necessary to understand and make informed decisions related to personal finance. The mathematics in the course is based on many topics in prior courses; however, the specific applications will extend the student's understanding of when and how to use these topics.

**Modern Dance I -III (51.0410002), (51.0420002) (51.0430002)**

Course introduces modern dance; covers shape, form, line and experimentation with individual expression and creativity. It stresses aesthetic perception, creative expression and performance, historical and cultural heritage and aesthetic judgment and criticism.

**Native Spanish Speakers I (60.0790002)** Designed for Heritage Language Learners of Spanish, this course can accommodate a wide range of Heritage language learners, from those who are minimally functional (can comprehend Spanish but are not able to speak fluently, read or write) to those who are more proficient and literate in Spanish. The recommended entrance requirement for the beginning level is at the Intermediate-Mid level of proficiency in listening comprehension on the ACTFL scale. It is not necessary that students speak at the Intermediate level prior to entering the course. This course will develop reading, writing, speaking and listening skills. The student will also develop an awareness and understanding of Hispanic cultures, such as language variations, customs, geography and current events.

**Native Speakers Spanish II (60.0791002)** This course focuses on the development of advanced communicative competence in reading, writing, speaking and listening and viewing, as well as on understanding Hispanic cultures and issues of identity of heritage speakers of Spanish in the United States. Students will also continue to develop awareness and understanding of Hispanic cultures, including language variation, customs, geography, history, and current events. *Prerequisite: Native Speakers Spanish I*

**Nursery & Landscape (01.4700002)**

This course is designed to provide students with the basic skills and knowledge utilized by the green industry in nursery production and management and landscape design and management. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. *Prerequisite: Basic Agriculture*

**Occupational Safety and Fundamentals (46.4450002)**

This course is the foundational course that prepares students for a pursuit of any career in the field of construction. It prepares the student for the basic knowledge to function safely on or around a construction site and in the industry in general. It provides the student with the option for an Industry Certification in the Construction Core. This course explains the safety obligations of workers, supervisors, and managers to ensure a safe workplace. Course content discusses the causes and results of accidents and the dangers of rationalizing risks. It includes the basic content of OSHA 10-hour safety standards. It also includes the basic knowledge and skills needed in the following areas: construction math, hand and power tools used in the field, general blueprints, and basics of rigging safety.

**Orchestra I, Beginning (53.0561002)**

This performance-based class focuses on basic instrumental skill development and music reading. The goal of this class is to teach students the proper way to hold and play a string instrument. Students can elect to play their instrument of choice (violin, viola, cello, or bass) with the orchestra director's approval and recommendation. Participation in concert performances outside of regular class hours is required.

**Orchestra I, Advanced (53.0581002)**

Provides opportunities for advanced-level performers to increase performance skills and precision on orchestral stringed instruments. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences.

**Patient Care Fundamentals (25.5360002)** This course is designed to provide students interested in the careers that involve patient care with entry level skills most commonly associated with the career Nursing Assistant. The students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies. Students meeting all academic, attendance, and age requirements may sit for the Georgia Registry's Examination. *Prerequisite: Essentials of Healthcare Science*

**Percussion I-IV (53.0381013) (53.0382013) (53.0383013) (53.0384013)**

The percussion technique class is reserved for percussionists who have successfully completed all requirements for the marching band. This class performs with the marching, concert, and symphonic bands. Their performance requirements include all football games, concerts, parades, and percussion ensembles. This class requires much after school practice. The primary emphasis of this class is basic to advanced playing skills.

**Personal Fitness (36.0510012)**

This semester course covers fundamental and current topics in physical fitness, diet, and stress. It is designed to encourage students to develop an optimum level of physical fitness, acquire knowledge of physical fitness concepts, and understand the significance of life-style on one's health and fitness. This course is required for graduation.

**Physical Conditioning (36.052000x)**

Course provides opportunities to participate in a variety of activities to enhance flexibility, muscular strength and endurance, cardiovascular endurance and body composition. It includes fitness concepts for the development of healthy lifetime habits.

**Physical Science (40.0110002)**

Physical Science is the study of matter and energy. Students in this course will be introduced to basic principles of chemistry and physics. The course will cover a variety of topics, including motion and forces, states of matter, atomic structure, the periodic table, electricity, and magnetism. This course requires an End of Course Test.

**Physical Science, Advanced (40.0110003)** Same topics as physical science, but concepts will be covered at an even greater depth. Students will be challenged with more rigorous assignments and projects. This course also

has a required End of Course Test. Emphasis will be placed on inquiry and research skills needed to complete a long term project.

### **Pre-Calculus (27.0974002)**

Pre-Calculus focuses on standards to prepare students for a more intense study of mathematics. The critical areas organized in seven units delve deeper into content from previous courses. The study of circles and parabolas is extended to include other conics such as ellipses and hyperbolas. Trigonometric functions are further developed to include inverses, triangles and identities. Matrices provide an organizational structure in which to represent and solve complex problems. Students expand the concepts of complex numbers and the coordinate plane to represent and operate upon vectors. Probability rounds out the course using counting methods, including their use in making and evaluating decisions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

### **Pre-Calculus, Honors (27.0974004)**

The course focuses on standards to prepare students for a more intense study of mathematics. The critical areas organized in nine units delve deeper into content from previous courses. The study of circles and parabolas is extended to include other conics such as ellipses and hyperbolas. Trigonometric functions are introduced and developed to include inverses, general triangles and identities. Matrices provide an organizational structure in which to represent and solve complex problems. Students expand the concepts of complex numbers and the coordinate plane to represent and operate upon vectors. They apply methods from statistics to draw inferences and conclusions from data. Probability rounds out the course using counting methods, including their use in making and evaluating decisions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

### **Programming, Games, Apps, and Society (11.4720002)**

This course is designed for high school students to strategize, design, and develop games and mobile and desktop applications that can be produced in the real world. Students will learn about life-cycles of project development and use models to develop applications. Attention will be placed on how user interfaces affect the usability and effectiveness of a game or an application. Programming constructs will be employed which will allow students' applications to interact with "real world," stimuli. The course exposes students to privacy, legality, and security considerations with regards to the software industry. *Prerequisite: Computer Science Principles*

### **Psychology (45.0150002)**

This course is designed as a senior elective for students planning to pursue a college degree. The intention is for students to be introduced to the many facets to psychology and an overview of concepts that would be introduced at a college level.

**Robotics and Automated Systems (21.4450002)** Upon completing this course, students will be able to apply their knowledge of computer aided design (CAD), computer numerical control (CNC), robotics, computer assisted manufacturing (CAM), programmable logic controllers, automated guided vehicles (AGV), and computer integrated manufacturing (CIM).

### **Spanish I (60.0710003)**

This course is an introduction to the Spanish language. Emphasis is placed on listening, speaking, reading, and writing skills. The major emphasis is on pronunciation, vocabulary development, and elementary sentence construction.

### **Spanish II (60.0720003)**

This course continues the development of the four language skill areas begun in the first-year course. Students

learn the necessary phrases for different situations: securing a hotel room, eating at a restaurant, shopping, etc. They also learn about the culture in the Spanish-speaking countries.

### **Spanish III (60.0730003)**

This course is a more in-depth study of the Spanish language. Students learn more advanced grammar, vocabulary, cultural notes, etc. It is intended for students who plan to make Spanish one of their special interests.

### **Spanish IV (60.0740003)**

In this course, students are encouraged to use only the Spanish language. The textbook is entirely written in Spanish. Students practice holding conversations in this language and read from Spanish and Latin American authors; they listen to tapes of poetry and prose and write letters, descriptions, and narrations in Spanish.

### **Spanish V (60.0750003)**

Enhances Level Four skills in Spanish, provides opportunities to increase levels of proficiency in all skill areas and to deepen understanding of Spanish-speaking cultures.

### **Statistical Reasoning (27.0880002)**

A fourth mathematics course option for students who have completed Algebra II, Advanced Algebra, Accelerated Geometry B/Algebra II, or Accelerated Analytic Geometry B/Advanced Algebra. The course provides experiences in statistics beyond the CCGPS sequence of courses, offering students opportunities to strengthen their understanding of the statistical method of inquiry and statistical simulations. Students will formulate statistical questions to be answered using data, will design and implement a plan to collect the appropriate data, will select appropriate graphical and numerical methods for data analysis, and will interpret their results to make connections with the initial question.

### **Symphonic Band I-IV (53.0371013) (53.0372013) (53.0373013) (53.0374013)**

The Symphonic Band will be a fully instrumented performing ensemble. The Symphonic Band will present three concerts each year. The Symphonic Band will also perform at the GMEA band festival held each year. The Symphonic Band will have a limited number of required rehearsals after school during the winter and spring. Membership requirements for Marching and Symphonic Bands are:

- Must be academically eligible and maintain eligibility
- Must demonstrate the ability to perform at a ninth grade level or above ( 9<sup>th</sup> grade 4 major scales, 10<sup>th</sup> grade 8 major scales)\*
- Must continue to pass off music as it is performed
- Must be capable of attending all Marching/Symphonic Band rehearsals and performances unless excused in advance by the director or school administration. Other seasonal school activities will be honored if they are in conflict with our performance schedule. All students must be approved by a director.
- Must have successfully completed all performance requirements from the current year
- Must have and maintain a passing grade in band waived for district honor band members.

### **Team Sports (36.021000x)**

This class introduces fundamental skills, strategies and rules associated with team sports such as basketball, baseball, cheerleading, and soccer. Courses emphasize strategies and rules associated with life-time sports.

### **Team Sports, Intermediate (36.031000x)**

This class enhances skills and strategies in team sports such as basketball, baseball, cheerleading and soccer.

### **Team Sports, Advanced (36.041000x)**

This class provides opportunities to officiate and to enhance skills in team sports strategies.



**United States History (45.0810002)**

Students will complete a comprehensive study of United States History that will help them understand their heritage as a nation, the impact of sweeping forces, events, eras, and how history continues to shape the nation in which we live. The course is correlated with Georgia Performance Standards and designed to help students achieve positive results on the

U.S. History End of Course Test and the Georgia High School Graduation Test. United States History is required for graduation in the State of Georgia. Topics of study include Colonization through Revolution, Creating a Nation, Growth and Change, War and Reunification, Industrialization and Transformation of the Nation, Becoming a World Power, Prosperity and Crisis, World Conflicts, A Changing Home Front, and Modern Times.

**United States History, Advanced (45.0810003)** Students will complete a comprehensive study of United States History that will help them understand their heritage as a nation, the impact of sweeping forces, events, eras, and how history continues to shape the nation in which we live. The course is correlated with Georgia Performance Standards and designed to help students achieve positive results on the

U.S. History End of Course Test and the Georgia High School Graduation Test. United States History is required for graduation in the State of Georgia. Topics of study include Colonization through Revolution, Creating a Nation, Growth and Change, War and Reunification, Industrialization and Transformation of the Nation, Becoming a World Power, Prosperity and Crisis, World Conflicts, A Changing Home Front, and Modern Times.

**United States History, Honors (45.0810004)** Honors U.S. History is a challenging course that strongly resembles its AP equivalent's topics but is less emphatic on specific areas of examination preparation. It is a survey of American history from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography.

**Veterinary Science (02.4240002)**

The agricultural education course in veterinary science covers the basics of animal care. Topics covered include disease, parasites, feeding, shelter, grooming, and general animal care. The target population is career preparatory students desiring to continue their education after high school or to enter the workforce after graduation from high school. College preparatory students benefit from the course as an elective if they plan to enter college and pursue a degree to enter the veterinary profession. This course allows students entering the workforce after graduation from high school to develop entry-level skills to become employed and to continue their education on the job.

**Visual Arts/Comprehensive I (50.0211002)**

A survey course to introduce basic Art skills using graphite, colored pencils, markers, oil pastels, acrylic paint, tempera paint, printing inks, watercolor, clay, and collage. Students learn how to create quality work with themes of landscapes, still life, portraits and more.

**Visual Arts/Comprehensive II (50.0212002)**

This is a survey course with projects different from Visual Comprehensive I. It introduces basic Art skills using graphite, colored pencils, markers, oil pastels, acrylic paint, tempera paint, printing inks, watercolor, clay, and collage. Students learn how to create quality work with themes of landscapes, still life, portraits and more.

*Prerequisite: Visual Arts/Comprehensive I.*

**Visual Arts/Comprehensive III (50.0213002)**

Enhances level-two skills in art history, art criticism, aesthetic judgment and studio production. Provides practice in applying design elements and principles of design. Provides focus on different two- and three-dimensional art media and processes and master artworks. Stresses idea development through production and creativity and through the study of master artists. *Prerequisite: Visual Arts/Comprehensive II.*

**Visual Arts/Comprehensive IV (50.0214002)**

Enhances level-three skills in art history, art criticism, aesthetic judgment, and studio production. Provides opportunities for in-depth application of design elements and principles of design in two- and three-dimensional art media and processes. Stresses creative problem solving through art production and the study of master artists and their works and further development of personal artistic voice. *Prerequisite: Visual Arts/Comprehensive III.*

**Weight Training, Advanced (36.0640002)**

Weight Training is taught so that students are able to improve themselves physically in both strength and agility. This is achieved through lifts and exercises that cover the use of all major muscle groups of the body. The conditioning exercises (sprinting, hopping, jumping, skipping, and jogging) are used to improve cardiovascular and respiratory fitness of the students.

**Weight Training (36.0540002)**

Introduces weight training; emphasizes strength development training and proper lifting techniques. Includes fitness concepts for developing healthy lifetime habits.

**Welding I (48.4510002)**

This course is designed to provide all students with the basic knowledge and safe operating skills needed to demonstrate proper set of equipment in oxyfuel welding. In oxy-fuel area of study students will create accurate cuts and perform washing and gouging procedures. Students will learn to critique their work pieces by welding codes, identifying imperfections, common test methods, and evaluate setups to determine proper setup of work and equipment. *Prerequisite: Introduction to Metals*

**Welding II (48.4520002)**

This course is designed to provide all students with the basic knowledge and safe operating skills needed to demonstrate proper set of equipment in shielded metal arc welding (SMAW). In SMAW students will learn and model proper safety and learn to make judgment calls in selection of electrodes and metal preparation to create beads and fillet welds using various rods. *Prerequisite: Welding I*

**Wildlife Management (03.4530002)**

Prepares student to recognize opportunities in forestry for developing wildlife habitats; includes instruction in selection of tree species, development of feeding plots, tree harvesting methods to conserve wildlife, management for controlled hunting by leasing, firearm safety, management of wildlife populations, predator control, game and fish laws and regulations, and development and management of camping facilities. *Prerequisite: Basic Agriculture*

**Wind Ensemble I-IV (53.0381033) (53.0382033) (53.0383033) (53.0384033)**

The Wind Ensemble is dedicated to performing the most advanced level band literature. This band will continue to rehearse in the winter and the spring of each year. The Wind Ensemble will present four concerts per year as well as performing for the GMEA Band Festival held annually. The instrumentation is set for this ensemble, and students will be selected by the highest scores on the audition materials.

Membership requirements for Wind Ensemble are:

- Must demonstrate the ability to perform at an advanced high school level (12 major Scales)\*
- Must perform the chromatic scale in extended range from memory\*
- Must demonstrate the ability to sight read at an advanced level
- Must be a member in good standing of the marching band completing all requirements for membership
- All students must be approved by a director.

**World History (45.0830002)**

This is a required course for all students in Thomas County and requires successful completion in order to meet graduation requirements. This course focuses on the development of the people of the world through study of political, economic, social, religious, military, scientific, and cultural events that have affected the rise and



growth of the world we live in.

**World History, Advanced (45.0830003)** This course will provide you with the opportunity to gain an understanding of the development of the people of the world by studying the political, economic, social, religious, military, scientific, and cultural events that have affected the rise and growth of the world we live in. As we move through the course, assignments may be varied for advanced and gifted students; some requiring more outside reading and research, in-depth explanation in writing assignments, greater analysis in class discussions, and more individualized assignments versus group work.

**World History, Honors (45.0830004)**

This course is designed to give you a survey of world history from ancient times to the present day. It will provide you with the opportunity to study the political, economic, social, religious, military, scientific, and cultural events that have affected the world we live in.