



**GEORGE  
WALTON  
ACADEMY**

— EST. 1969 —

**2019-2020**  
**COURSE CATALOG**

# Table of Contents

<b>OUR MISSION &amp; IMPORTANT INFORMATION</b>	<b>3</b>
<b>REGISTRATION &amp; COURSE ASSIGNMENT</b>	<b>4</b>
<b>HONORS &amp; ADVANCED PLACEMENT</b>	<b>4</b>
<b>GRADUATION REQUIREMENTS</b>	<b>5</b>
<b>SEMESTER GRADE WEIGHTING &amp; DROP/ADD POLICY</b>	<b>6</b>
<b>REPORT CARDS &amp; SENIOR RE-EXAMINATION POLICY</b>	<b>6</b>
<b>NINTH GRADE COURSE OF STUDY</b>	<b>7</b>
<b>TENTH GRADE COURSE OF STUDY</b>	<b>9</b>
<b>ELEVENTH GRADE COURSE OF STUDY</b>	<b>11</b>
<b>TWELFTH GRADE COURSE OF STUDY</b>	<b>14</b>
<b>HUMANITIES</b>	<b>17</b>
<i>ENGLISH</i>	<b>17</b>
<i>SOCIAL STUDIES</i>	<b>20</b>
<b>MATHEMATICS</b>	<b>24</b>
<b>SCIENCE</b>	<b>27</b>
<b>MODERN &amp; CLASSICAL LANGUAGE</b>	<b>32</b>
<b>ELECTIVES</b>	<b>35</b>
<i>COMPUTER SCIENCE</i>	<b>35</b>
<i>FINE ARTS</i>	<b>36</b>
<i>PHYSICAL EDUCATION/HEALTH</i>	<b>42</b>
<i>ADDITIONAL ELECTIVES</i>	<b>43</b>

## OUR MISSION

George Walton Academy provides challenging instruction, engaging experiences, and global perspectives designed to inspire lives of intellectual curiosity, integrity, and purpose.

## IMPORTANT INFORMATION

The courses included in the Course Offerings section of this guide reflect the general curriculum for the Upper School. Students should review the total curriculum in order to plan their sequential course of study.

George Walton Academy reserves the right to cancel a course if there is insufficient student enrollment or insufficient faculty availability. If a course is cancelled, the Registrar will notify students to make another selection.

# REGISTRATION

1. Review the registration requirements for George Walton Academy and the schedule examples in this guide.
2. Read and consider all the course offerings. Discuss with your parents, teachers, and advisers the requirements of your specific academic needs and interests, and your possible college/career goals. Finalize with your college counselor.
3. Courses taken off campus, including courses from The Georgia Virtual School and any other summer school options, will be treated as transfer credit. It will count toward graduation, but it will not be counted in ranking/honors placement and will not be considered in calculating GPA.

# COURSE ASSIGNMENT

George Walton Academy reserves the right to place students in a course or courses when first choice requests cannot be honored or when the student's previous achievement and learning characteristics suggest a specific level. The final placement decision is based on the demonstrated ability of the student's mastery of basic skills, previous achievement, and level of maturity.

# HONORS & ADVANCED PLACEMENT

Placement of a student in an Honors or AP level course will depend upon the recommendation of the teacher. A student interested in being selected may discuss his interest with his current teacher or a former teacher in that subject area. Final selection is based on the student's mastery of basic skills, previous achievement, level of maturity, and recommendation of the department.

- Students selected for Honors/AP courses must have displayed exceptional ability and interest in previous work. The student should be highly self-motivated and willing to commit significant time to the course. Enrollment in previous Honors/AP courses does not mean automatic re-enrollment in these sections.
- Once enrolled in an Honors/AP course, the student is expected to maintain above-average performance as evaluated by the teacher and above-average interest in the subject matter. Any student not maintaining these requirements may be removed from the class at the conclusion of the semester.
- AP students are required to take the AP examination and/or turn in an art portfolio as their spring semester final examination.
- The cost of the AP standardized examination is not included in the tuition.
- George Walton Academy offers more than one AP course in the Fine/Performing Arts, however, only one course in these areas will be counted toward ranking/honors placement.

# GRADUATION REQUIREMENTS

- In general, a student shall meet the graduation requirements in effect at the time of enrollment, regardless of changes in requirements affecting subsequent classes.

1 credit: 1 full year course  
0.5 credit: 1 semester course

- Minimum upper school credits required to graduate:

2020: 25  
2021: 25.5  
2022: 26  
2023: 26

- Graduation credits are awarded for courses taken in grades 9-12:

Minimum credits to enter grade 10: 6.5  
Minimum credits to enter grade 11: 13  
Minimum credits to enter grade 12: 19.5

- Specific credits/courses required of all students:

4 units	English	World Literature, American Literature, British Literature, and English 12 are required.
3 units	Social Studies	World History, US History, Government, and Economics are required
4 units	Mathematics	Algebra I, Geometry, Algebra II & one additional math are required. *If Algebra I is completed in middle school, the student must earn a unit in a higher level math course. The student still must earn 4 credits of math.
4 units	Science	Biology & Chemistry are required, and Physics is recommended. Eighth grade Physical Science substitutes for Physics, if taken at GWA. The remaining unit is the student's choice. AP Computer Science may substitute for the fourth Science.
2 units	Modern & Classical Languages	French, Latin, Spanish: 2 consecutive units of the same language are required
1 unit	Physical Education/Health	Physical Education (0.5) and Health (0.5) required
6 units	Electives	A minimum of three units must be an academic elective. These are clearly marked in the course catalog.
2 units	Winter Term	Selections vary each year (0.5 unit per year required)

- Course load per semester/per year:

The Upper School operates on a three-term calendar: two semesters and a winter term. A minimum of four academic courses and two electives a day are required as well as a study hall. In addition, 0.5 unit will be received during the three week winter term.

The graduation requirements in specific disciplines are minimum requirements toward a George Walton Academy diploma. The school expects each student to select the maximum number of courses

appropriate for his/her abilities, interests, and college/career goals. Students and parents, in consultation with a college counselor and teacher, should carefully consider appropriate level courses. Above all, a student should attempt to maintain a balanced curriculum and to avail himself /herself of various elective courses and honors/advanced placement courses where he/she is challenged but not overwhelmed. Colleges may require additional course work in certain disciplines. For example, some colleges require a third year of MODERN AND CLASSICAL language.

## SEMESTER GRADE WEIGHTING

George Walton Academy applies the following system of weights only to determine honors such as Head of School's List, Beta Club, Best of the Best, and National Honor Society:

Academic Advanced Placement Courses.....+ 10

Academic Honors Courses.....+ 5

All regular academic, technology, and fine arts courses receive no weighted value. Maximum grade cannot exceed a 4.0 for HOPE scholarship.

## DROP/ADD POLICY

A great deal of care is taken by the upper school faculty to ensure that students are adequately advised regarding course selections for each school year. Students may initiate a course Drop/Add request no later than the end of the first full 10 days of class of fall term (for fall term electives and year-long courses) or the end of the first full 10 days of the spring term (for spring term electives).

## REPORT CARDS

Each term, students will be graded on assignments as determined by each teacher. Parents may access their children's grades via ParentsWeb. The grades will be updated weekly. Report cards will be available approximately 10 school days after the end of the semester.

## SENIOR RE-EXAMINATION POLICY

Seniors who fail a semester or year course by failing the final exam have the option of a re-examination. Passing this exam with a score that will give a passing average will result in a pass for the course. The grade issued will be no higher than a 70.

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# NINTH GRADE COURSE OF STUDY

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All ninth-grade students will take one unit from each discipline:

**English**

World Literature  
H World Literature\*

**Social Studies**

World History  
H World History\*  
World Geography

**Math**

Algebra I  
H Algebra I\*  
Geometry  
H Geometry\*

**Science**

Biology  
H Biology\*

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**Modern and Classical Languages**

French 1  
Latin 1  
Spanish 1  
H Spanish 1\*

**Health**

*Health must be completed before graduation. A minimum of two consecutive years of French, Latin or Spanish is a requirement for graduation.*

**Physical Education**

Life Sports  
Personal Fitness  
Weight Training

\* See Qualifications for Honors

**In addition, freshmen should choose one more unit from the courses listed below:**

<b>0.5 Unit Courses</b>		<b>1.0 Unit Courses</b>	
Art 1	Arts	Concert Ensemble	Band
Art 2 (pre-req. Art 1)	Arts	Honors Percussion	Band
Chorus	Arts	Honors Symphonic Winds	Band
Dance	Arts	Journalism/Yearbook	Arts
Drama	Arts		
Musical Theater (Fall only)	Arts		
Photography 1	Arts		
Photography 2 (pre-req. Photo 1)	Arts		
Piano	Arts		
Theater Arts (Spring only)	Arts		
Hip Hop	Arts		
Video Production	Arts		
GWA TV and Production	Arts		
Bible	Social Studies		
Speech and Debate	Social Studies		
World Geography	Social Studies		
Introduction to Programming	Technology		
Adv. Programming (pre-req.)	Technology		
Robotics	Technology		
Innovative Thinkers	Technology		
Intro to Life Sports	Physical Education		
Personal Fitness	Physical Education		
Weight Training	Physical Education		
Health	Health		



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# TENTH GRADE COURSE OF STUDY

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All tenth-grade students will take one course from each category below:

## **English**

American Literature  
H American Literature\*

## **Social Studies**

US History  
H US History\*  
AP US History\*  
World Geography

## **Math**

Geometry  
H Geometry\*  
Algebra II  
H Algebra II\*

## **Science**

Chemistry  
H Chemistry\*

## **Modern and Classical Languages**

French 1  
H French 2  
Latin 1  
Latin 2  
H Latin 2\*  
Spanish 1  
Spanish 2  
H Spanish 2\*

**Health** – must be taken before graduation

## **Physical Education**

Life Sports  
Personal Fitness  
Weight Training

*\* See Qualifications for Honors and AP Course*

**In addition, sophomores should choose one more unit from the courses listed below:**

<b>0.5 Unit Courses</b>		<b>1.0 Unit Courses</b>	
Art 1	Arts	Concert Ensemble	Band
Art 2 (prerequisite Art 1)	Arts	Honors Percussion	Band
Chorus	Arts	Honors Symphonic Winds	Band
Dance	Arts	Art 3	Arts
Drama	Arts	Journalism/Yearbook	Arts
Musical Theater (Fall Only)	Arts	Sustainable Living - Double Block – 2 units	Arts
Photography 1	Arts	AP Photography*	Arts
Photography 2 (pre-req. Photo 1)	Arts	AP Studio Art 2D*	Arts
Piano	Arts	AP Studio Art 3D*	Arts
Theater Arts (Spring Only)	Arts	AP Computer Science Principles	Technology
Hip Hop	Arts		
GWA TV and Production	Arts		
Video Production	Arts		
Marine Biology	Science		
Global Environmental Issues	Science		
Rainforest Ecology	Science		
Biotechnology Today	Science		
Great Barrier Reef	Science		
Oceanography	Science		
Limnology	Science		
Bible	Social Studies		
World Geography	Social Studies		
Speech and Debate	Social Studies		
Introduction to Programming	Technology		
Adv. Programming (pre-req.)	Technology		
Robotics	Technology		
Innovative Thinkers	Technology		
Life Sports	Physical Education		
Personal Fitness	Physical Education		
Weight Training	Physical Education		
Health	Health		

*\*\*If Physical Education/Health Graduation Requirement was not met in 9<sup>th</sup> grade, students should consider meeting this requirement in 10<sup>th</sup> grade.*

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# ELEVENTH GRADE COURSE OF STUDY

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All eleventh-grade students will take one (1) unit from each of the categories below:

## **English**

British Literature  
AP Language and Composition\*  
Dual Credit Composition 101\* and 102\*

## **Social Studies**

U.S. Government/Economics (0.5 for each)  
AP Micro and Macro Economics \*  
AP European History\*  
World Geography

## **Math**

Algebra II  
H Algebra II\*  
Algebra III  
Pre-Calculus  
Pre-Calculus H\*

## **Science**

Chemistry II \*  
Chemistry Dual Enrollment  
AP Chemistry\*  
AP Biology\*  
AP Environmental Science\*  
Physics  
H Physics\*  
Sports Medicine (0.5)  
Forensics (0.5)  
Marine Biology (0.5)  
Global Environmental Issues (0.5)  
Rainforest Ecology (0.5)  
Biotechnology Today (0.5)  
Great Barrier Reef (0.5)  
Oceanography (0.5)  
Limnology (0.5)  
Astronomy (0.5)

**Modern and Classical Languages**

- French 1
- H French 2
- H French 3\*
- Latin 1
- Latin 2
- H Latin 2\*
- H Latin 3\*
- Spanish 1
- Spanish 2
- H Spanish 2\*
- Spanish 3
- H Spanish 3\*

**Health** - *if not taken before*

\* See Qualifications for Honors and AP courses

**In addition, juniors should choose one more unit from the courses listed below:**

<b>0.5 Unit Courses</b>		<b>1.0 Unit Courses</b>	
Art 1	Arts	Concert Ensemble	Band
Art 2 (pre-req. Art 1)	Arts	Honors Percussion	Band
Chorus	Arts	Honors Symphonic Winds	Band
Dance	Arts	Art 3	Arts
Hip Hop	Arts	Journalism/Yearbook	Arts
Musical Theater (Fall Only)	Arts	Sustainable Living (Double Block – 2 units)	Arts
Photography 1	Arts	AP Photography*	Arts
Photography 2 (pre-req. Photo 1)	Arts	AP Studio Art 2D*	Arts
Piano	Arts	AP Studio Art 3D*	Arts
Theater Arts (Spring Only)	Arts	Intraship – Peer Tutoring***	Intra
Musical Theater	Arts	Intraship – HUB***	Intra
Drama	Arts	Intraship – Marketing***	Intra
Video Production	Arts	Intraship – Science Lab***	Intra
GWA TV	Arts	Intraship – Library***	Intra
Statistics	Math	AP Statistics	Math
Forensics	Science	Astronomy	Science
		AP Environmental Science*	Science

Marine Biology	Science	AP Computer Science Principles*	Science
Global Environmental Issues	Science	AP European History	Social Studies
Rainforest Ecology	Science		
Biotechnology Today	Science		
Great Barrier Reef	Science		
Oceanography	Science		
Limnology	Science		
International Relations	Social Studies		
Psychology	Social Studies		
Speech and Debate	Social Studies		
Bible	Social Studies		
Ethics	Social Studies		
Introduction to Programming	Technology		
Advanced Programming	Technology		
Robotics	Technology		
Innovative Thinkers	Technology		
GWA TV	Arts		
Life Sports	Physical Education		
Personal Fitness	Physical Education		
Weight Training	Physical Education		
Health	Health		

*\*\*If Physical Education/Health Graduation Requirement was not met in ninth or 10<sup>th</sup> grade, students should consider meeting this requirement in 11<sup>th</sup> grade.*

*\*\*\* Interviews and qualifications are mandatory for any Intraship Class*

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# TWELFTH GRADE COURSE OF STUDY

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All twelfth-grade students will take one (1) course from each of the following categories:

## **English**

English 12  
AP Literature and Composition\*  
Dual Enrollment Composition 101\*  
Dual Enrollment Composition 102\*

## **Social Studies**

U. S. Government/Economics (0.5 for each)  
AP U.S. Government & Politics\*  
AP Micro/Macro Economics\*  
World Geography

## **Math**

Algebra III  
Precalculus  
H Pre-Calculus\*  
Calculus  
AP Calculus AB\*  
AP Calculus BC\*  
AP Statistics\*

## **Science**

H Chemistry II\*\*  
Chemistry Dual Enrollment (MOWR)\*  
AP Chemistry\*  
AP Biology\*  
AP Environmental Science\*  
H Anatomy and Physiology\*  
Physics  
H Physics\*  
H Global Health\* (0.5)  
Sports Medicine – (0.5)  
Astronomy (0.5 unit)  
Global Environmental Issues (0.5)  
Rainforest Ecology (0.5)  
Biotechnology Today (0.5)  
Great Barrier Reef (0.5)  
Oceanography (0.5)  
Limnology (0.5)  
Forensics (0.5)

## **Modern and Classical Languages**

H French 2\*

H French 3\*

Latin 2

H Latin 2\*

H Latin 3\*

Spanish 2

H Spanish 2\*

Spanish 3

H Spanish 3\*

Dual Enrollment Spanish

\* See Qualifications for Honors and AP courses

**In addition, seniors should choose one more unit from the courses listed below:**

<b>0.5 Unit Courses</b>		<b>1.0 Unit Courses</b>	
Art 1	Arts	Concert Ensemble	Band
Art 2 (prerequisite Art 1)	Arts	Honors Percussion	Band
Chorus	Arts	Honors Symphonic Winds	Band
Dance	Arts	Art 3	Arts
Drama	Arts	Journalism/Yearbook	Arts
Musical Theater (Fall Only)	Arts	Sustainable Living - Double Block (2 units)	Arts
Photography 1	Arts	AP Photography*	Arts
Photography 2 (prerequisite Photo 1)	Arts	AP Studio Art 2D*	Arts
Piano	Arts	AP Studio Art 3D*	Arts
Theater Arts (Spring Only)	Arts	Intraship – Peer Tutoring***	Intra
Video Production	Arts	Intraship – HUB***	Intra
GWA TV	Arts	Intraship – Science Lab***	Intra
Musical Theater	Arts	Intraship – Library***	Intra
Dance	Arts	AP Statistics***	Math
Hip Hop	Arts	AP European History***	Social Studies
Statistics	Math	AP Computer Principles	Technology
H Anatomy and Physiology*	Science		
Forensics	Science		
H Global Health*	Science		
Marine Biology	Science		
Global Environmental Issues	Science		
Rainforest Ecology	Science		
BioTechnology Today	Science		
Great Barrier Reef	Science		

Oceanography	Science		
Limnology	Science		
Bible	Social Studies		
Ethics	Social Studies		
International Relations	Social Studies		
Psychology	Social Studies		
World Geography	Social Studies		
Speech and Debate	Social Studies		
Innovative Thinkers	Technology		
Introduction to Programming	Technology		
Advanced Programming	Technology		
Robotics	Technology		
Life Sports	Physical Education		
Personal Fitness	Physical Education		
Weight Training	Physical Education		
Health	Health		

*\*\*If Physical Education/Health Requirement has not been met, seniors are required to take to take these classes.*

*\*\*\* Interviews and qualifications are mandatory for any Intraship Class*





# HUMANITIES

## ENGLISH

The English curriculum provides the student with experiences that lead to a mastery of composition skills and an understanding of literature. Traditional grammar with practical applications necessary for college success, formal expository and persuasive writing, literary analysis, and vocabulary building receive emphasis in college preparatory, honors, and advanced placement courses. A research paper is required. Students must complete four levels of English – ninth, 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup>

### **World Literature | ENG 100 | 23.06307**

**NCAA Approved**

World Literature is a study of how the literary record reflects and defines the cultural values of (chiefly) non-American and non-British traditions throughout history. Following a chronological approach, the course pursues an understanding of Ancient, Classical, Medieval, Renaissance, Enlightenment, Romantic, and Modern world literature and cultures. The class maintains an emphasis on grammar and usage through composition. As such, the class will emphasize using proper grammar and sentence variety in clearly-structured, fully developed, evidentially-based analytical essays. The essays will almost always be based on the literary works that are assigned and discussed in class. World Literature is offered to ninth grade students.

**Units: 1 | Offered: Year Long**

**Grade: 9**

### **Honors World Literature | H ENG 110 | 23.06317**

**NCAA Approved**

World Literature is a study of how the literary record reflects and defines the cultural values of (chiefly) non-American and non-British traditions throughout history. Following a chronological approach, the course pursues an understanding of Ancient, Classical, Medieval, Renaissance, Enlightenment, Romantic, and Modern world literature and cultures. The class maintains an emphasis on grammar and usage through composition. As such, the class will emphasize using proper grammar and sentence variety in clearly-structured, fully developed, evidentially-based analytical essays. The essays will almost always be based on the literary works that are assigned and discussed in class. Honors World Literature is offered to ninth grade students. The honors section of this class requires additional out-of-class reading, more strenuous application of compositional standards, and higher expectations for subtle, independent analysis.

**Units: 1 | Offered: Year Long**

**Grade: 9**

### **American Literature | ENG 200 | 23.05107**

**NCAA Approved**

American Literature provides students with an in-depth study of the American experience, past and present. The first semester asks students to consider the foundations of American life through the works of the Puritans, the Revolutionary writers, the Romantics, and the Realists. During the second semester, the course shifts focus toward what it means to be an American in today's world and examines a variety of texts including speeches, editorials, and critical essays, in addition to novels and plays. Students in this course connect literature and historical contexts, current events, and their own experiences as they work both independently and collaboratively to communicate their understanding through oral, written, and multi-modal presentations. A major project of this course is a literary analysis research paper. American Literature is offered to 10<sup>th</sup> grade students.

**Units: 1 | Offered: Year Long**

**Grade: 10**

**Honors American Literature | H ENG 200 | 23.05107****NCAA Approved**

Honors American Literature provides students with an in-depth study of the American experience, past and present. The first semester asks students to consider the foundations of American life through the works of the Puritans, the Revolutionary writers, the Romantics, and the Realists. During the second semester, the course shifts focus toward what it means to be an American in today's world and examines a variety of texts including speeches, editorials, and critical essays, in addition to novels and plays. Students in this course connect literature to historical contexts, current events, and their own experiences as they work both independently and collaboratively to communicate their understanding through oral, written, and multi-modal presentations. A major project of this course is a literary analysis research paper. Honors American Literature is offered to 10<sup>th</sup> grade students. The Honors section of this course requires students to conduct more independent interpretive analysis and maintains higher expectations for composition, individual comprehension, time management, out-of-class work, and research.

**Units: 1 | Offered: Year Long****Grade: 10****British Literature | ENG 300 | 23.05207****NCAA Approved**

The British Literature course is a chronological study of the literature and culture of the British Isles. Beginning with Romano-British sources, the class progresses through the Anglo-Saxon, Medieval, Renaissance, Enlightenment, Romantic, Victorian, Modern, and Post-Modern literature, always reading the literature in light of its cultural context. Students study these texts and their historical-political contexts while delving into textual interpretation. Significant compositional assignments are an essential part of the class and are almost always based on the texts that we read and discuss.

**Units: 1 | Offered: Year Long****Grade: 11****Dual Credit College Freshman Composition 101 and 102 | ENG CP1 | 23.03407****NCAA Approved | Hope Rigor Recognition**

Note that these two courses must be taken together within one school year. Courses are offered as satisfaction for both upper school and college English credit. It is taught on the GWA campus by GWA faculty for transferrable credit through Truett-McConnell University. Students are required to develop evidence-based analytic and argumentative essays that proceed through several drafts. The purpose of the course is to teach effective writing for both college curricula and professional life. This writing course focuses on essays in the various patterns of exposition and includes some grammar and usage review. One major goal of the course is to prepare the student to successfully complete state-mandated exams at the third-year level. Students must complete English 101 with a grade of C or better to enroll in any higher-numbered English course. Prerequisite: Appropriate score on the SAT, ACT or placement exam or completion of EN 099 with a C or higher.

**Units: 2 (total combined) | Offered: Year Long****Grade: 12**

**AP Language | AP ENG 3 | 23.04327****NCAA Approved | Hope Rigor Recognition**

The 11th grade AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. The course emphasizes non-fiction texts, including columns, editorials, speeches, documentaries, and visual images in advertising, and follows chronologically the periods of American Literature from the Puritans to the Moderns, focusing on major works like *The Crucible*, *The Grapes of Wrath*, *The Great Gatsby*, *The Things They Carried*, and *1984*. In the spring, students take the College Board's exam for possible college credit. Students must be recommended for this course. Prerequisite: See Qualifications for Honors/AP Courses.

**Units: 1 | Offered: Year Long****Grade: 11****English 12 | ENG 400 | 23.05207****NCAA Approved**

English 12, British Literature is a chronological study of the literature and culture of the British Isles. Beginning with Romano-British sources, the class progresses through the Anglo-Saxon, Medieval, Renaissance, Enlightenment, Romantic, Victorian, Modern, and Post-Modern literature, always reading the literature in light of its cultural context. Students study these texts and their historical-political contexts while delving into textual interpretation. Significant compositional assignments are an essential part of the class and are almost always based on the texts that are read and discussed.

**Units: 1 | Offered: Year Long****Grade: 12****AP Literature | AP ENG 4 | 23.06527****NCAA Approved | Hope Rigor Recognition**

The twelfth grade AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature spanning all genres. Through the close reading of selected texts like *Crime and Punishment*, *Hamlet*, *As I Lay Dying*, *Invisible Man*, *Heart of Darkness* and *Death of a Salesman*, and through poetry from a variety of periods, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students broaden their experience by participating in an independent author study and presenting their findings at the annual AP Dinner Party in late spring and by taking the College Board's AP exam for possible college credit. Students must be recommended for the course.

**Units: 1 | Offered: Year Long****GRADE: 12**

# SOCIAL STUDIES

The Social Studies Department requires students to earn three units for graduation. Students are required to take World History and United States History which earn one credit each and United States Government and Economics, each of which earn a half credit. Advanced Placement and Honors courses are offered in many of these subjects to challenge students to learn additional concepts and move through material more rapidly.

## **World History | SSC 201 | 45.08307**

An introductory study of world history from the ancient river valley civilizations up to contemporary events. This year long course will cover the social, political, religious, and economic changes that shaped societies and civilizations across the globe. Students will learn to work with historical sources of all kinds and gain the skills to think about the past in an ordered and organized way.

**Units: 1 | Offered: Year Long**

**Grade: 9**

## **Honors World History | H SSC 201 | 45.08307**

An introductory study of world history from the ancient river valley civilizations up to contemporary events. This year-long course will cover the social, political, religious, and economic changes that shaped societies and civilizations across the globe. Students will learn to work with historical sources of all kinds and gain the skills to think about the past in an ordered and organized way. Honors classes will go into greater detail on certain topics and pursue more activities that involve in-depth historical analysis. Assessments in honors class will test higher-level thinking and comprehension skills.

**Units: 1 | Offered: Year Long**

**Grade: 9**

## **Survey of U.S. History| SSC 300| 45.08107**

**NCAA Approved**

An introductory study of American History that traces the American journey from Jamestown until its presence as a world superpower in the twentieth century. Students will focus on the personalities and events that shaped America through conflict and compromise. This is a full year course. Enrolled students may have the opportunity to participate in the Virginia trip during Winter Term. Sophomore requirement

**Units: 1 | Offered: Year Long**

**Grade: 10**

## **Honors U.S. History | H SSC 310 | 45.08107**

This course is an introductory study of American History that traces the American journey from Jamestown until its presence as a world superpower in the twentieth century. Students will focus on the personalities and events that shaped America through conflict and compromise. Throughout the school year, students will use both primary and secondary sources in a variety of learning activities in order to come to a greater understanding of how America has developed through present.

**Units: 1 | Offered: Year Long**

**Grade: 10**

This year long course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods. The course has a strong focus on critical reading and academic writing. At the end of the course, students will take a College Board Exam that may qualify them for college credit. This is a full year course. Enrolled students may have the opportunity to participate in the Virginia class trip during Winter Term. Department recommendation required.

**Units: 1 | Offered: Year Long**

**Grade: 10**

**Economics | SSC 444 | 45.06107**

**NCAA Approved**

This semester-long course looks at the American economic spectrum and the influence economists Adam Smith, John Maynard Keynes, Friedrich Hayek, and Milton Friedman had in shaping American economic policy. It briefly examines the ideas of socialism and communism and their impact on the world. This course also contains a personal finance requirement *Real World* project that students must complete to pass the course. This is one semester of a year-long Government/Economics requirement.

**Units: 0.5 | Offered: Semester**

**Grades: 11, 12**

**AP Micro Economics | AP SSC 5 | 45.06307**    **NCAA Approved | Hope Rigor Recognition**  
**AP Macro Economics | AP SSC 4 | 45.06207**

In this full-year study of economics, students explore the fundamentals of economics, macroeconomics and microeconomics. In macroeconomics, students learn the principles that apply to an economic system as a whole which aids their understanding of American economic policy. In microeconomics they learn principles that apply to the functions of individual decision-makers, both consumers and producers, within the economic system. This allows students to gain a greater understanding of the foundations of American capitalism and its engine: the entrepreneur. At the end of this full year course, students will take two different College Board Exams that may qualify them for college credit. This course may be taken junior or senior year. Department recommendation required.

**Units: 1 | Offered: Year Long**

**Grades: 11, 12**

**U.S. Government | SSC 434 | 45.05707**

**NCAA Approved**

This semester-long course examines the foundations of American government, the U.S. Constitution and its institutions, landmark court cases, civil liberties, due process, civil rights and American politics. This is one semester of a year-long Government/Economics requirement. Senior requirement.

**Units: 0.5 | Offered: Semester**

**Grades: 11, 12**

**AP US Gov. and Politics | AP SSC 6 | 45.05207**    **NCAA Approved | Hope Rigor Recognition**

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically-significant concepts and themes through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. At the end of this full-year course students will take a College Board Exam that may qualify them for college credit. This course may be taken junior or senior year. Department recommendation required. Students in the course will have the opportunity to participate in CLOSEUP during Winter Term.

## ***SOCIAL STUDIES ELECTIVES***

### **AP European History | AP SSC 7 | 45.08407    NCAA Approved | Hope Rigor Recognition**

In AP European History, students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. The course also provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; individual and society; and national and European identity. At the end of this full year course, students will take a College Board Exam that may qualify them for college credit. This course may be taken junior or senior year. This course qualifies as an academic elective. Department recommendation required.

**Units: 1 | Offered: Year Long****Grades: 11, 12**

### **International Relations and Politics | SSC INT | 45.09200**

This one-semester course introduces important issues in international politics, as well as the major approaches that diplomats and world leaders use to understand those issues. Students will explore current events, recent history, and topics which have defined the development of geopolitics in the modern world. Topics of investigation will include: international cooperation, security and conflict, trade, human rights, and international law among others. By exploring diplomatic procedures, theoretical approaches, and major conflicts, students will gain a greater understanding of international affairs and the role of nations in global politics. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester****Grades: 11, 12**

### **World Geography | SSC GEO | 45.07110**

World Regional Geography is an introduction to how the discipline of geography makes sense of the world, its different people, places, and regions. Central to this disciplinary perspective is an emphasis on the ways in which people and places interact across space and time to produce particular outcomes. This unique perspective is increasingly important today as technological innovations, the spread of political/economic ideologies, and the movement of people and goods across the globe have made most contemporary problems and solutions global in nature. This course is an exploration of several key issues shaping our world today. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester****Grades: 9, 10, 11, 12**

### **Bible | BIBLE | 45.01407**

This class offers students a survey of the Bible's major events and teachings from a non-sectarian perspective. Its aim is to educate rather than indoctrinate. By examining the historical, literary, geographic and cultural setting of the Bible, students are given the necessary background to interpret. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester****Grades: 9, 10, 11, 12**

**Ethics | ETHICS | 45.05807**

The goal of this course is for students to identify and refine the framework for their values and moral principles. Students will be introduced to ethicists from different parts of the world and eras of history, spending class time discussing and processing different ethical theories and models as tools for forming their own core values. Class discussions on topics such as capital punishment, euthanasia, abortion, autonomy, and other moral principles will create a space for students to foster more ethical awareness and better crystallize their own basic assessments of right and wrong. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 11, 12**

**Psychology | SSC 333 | 45.01500**

This one semester course is designed to introduce the students to the biological and theoretical foundations of psychology. The course will encourage students to develop analytical skills, conduct research, investigate the mind-body connection, analyze concepts of consciousness, evaluate theories of personality, develop an understanding of psychological disorders, evaluate the role and effectiveness of treatments, and analyze theories of intelligence. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 11, 12**

**Speech and Debate | SPEECH | 23.04607**

A one-semester introductory course that covers a variety of styles of public speaking and formal debate. Through research and practice, students will become familiar with these styles through instruction, research, and practice. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9, 10, 11, 12**



# MATHEMATICS

Four years of mathematics are required at the Academy. Each student must take Algebra I, Geometry, and Algebra II. Other mathematics credits may be chosen according to the student's ability and interests. All mathematics courses, traditional (T) and honors (H), provide a strong foundation and promote a positive attitude toward mathematics. Both levels cover college-preparatory material. The honors level in each course includes additional concepts and enrichment activities, thus the pace of the class is accelerated.

## **Algebra I | MTH 100 | 27.06107**

**NCAA Approved**

This course provides a thorough development of the fundamentals of algebra. It covers basic topics such as operations of real numbers and polynomials. Solving and graphing equations and inequalities in one and two variables, leads to the study of linear, quadratic, exponential, radical, and rational functions. Application of such functions is included. Prerequisite: Pre-Algebra or equivalent

**Units: 1 | Offered: Year Long**

**Grade: 9**

## **Honors Algebra I | H MTH 110 | 27.06117**

**NCAA**

**Approved**

This course will include all topics from Algebra I (T) at an accelerated pace. It involves investigation of extended material and emphasizes theoretical development of fundamentals. Any eighth grade student taking this course must maintain a high average and show evidence of good mathematical understanding in order to move on to the next course the following year. Prerequisite: Pre-Algebra or equivalent. See qualifications for Honors/AP Courses.

**Units: 1 | Offered: Year Long**

**Grades: 8, 9**

## **Geometry | MTH 200 | 27.06307**

**NCAA Approved**

The main purpose of this course is to develop the ability to solve problems from a geometric viewpoint. Topics covered include identifying and analyzing geometric figures, using coordinate geometry to solve problems, reasoning logically and proving theorems. Class discussion is imperative. Several projects may be required in addition to class assignments. Prerequisite: Algebra I

**Units: 1 | Offered: Year Long**

**Grade: 9, 10**

## **Honors Geometry | H MTH 210 | 27.06317**

**NCAA Approved**

This course will cover the same topics as in Geometry (T), but will include more challenging problems and rigorous class discussions. Additional attention is paid to logic and proofs. Prerequisite: Honors Algebra I; See Qualifications for Honors/AP Courses

**Units: 1 | Offered: Year Long**

**Grade: 9, 10**



**Honors Algebra II | MTH 300 | 27.06407****NCAA Approved**

This course reviews and extends the topics from Algebra I. A strong understanding of functions will be developed. Additional topics will be covered including complex numbers, conic sections, and matrices. Prerequisite: Algebra I.

**Units: 1 | Offered: Year Long****Grade: 10, 11****Honors Algebra II | H MTH 310 | 27.06417****NCAA Approved**

This course will include all topics from Algebra II (T) at an accelerated pace. Additional topics intended to encourage a deeper level of understanding and a wider base of knowledge will be investigated. Students will be expected to think critically and analytically as they apply concepts to meaningful situations. Functions and their applications will be explored extensively. Conic sections, sequences and series, proofs and logical reasoning will be covered in-depth. Prerequisite: Honors Algebra I. See Qualifications for Honors/AP Courses.

**Units: 1 | Offered: Year Long****Grade: 10,11****Algebra III | MTH 320 | 26.06517****NCAA Approved | Hope Rigor Recognition**

This course focuses on solidifying understanding of functions, specifically polynomial, rational, root, exponential, and logarithmic functions. Students will be expected to graph the functions and solve related equations and inequalities. Other algebraic topics, such as conic sections and matrices, may be included. Prerequisite: Algebra II.

**Units: 1 | Offered: Year Long****Grades: 11, 12****Pre-Calculus | MTH 340 | 27.06507****NCAA Approved | Hope Rigor Recognition**

This course is an extensive study of functions, including polynomial, rational, root, exponential, logarithmic, and trigonometric functions. Students completing this course should have the foundation needed for a calculus course taken on the upper school or the college level. Prerequisite: Algebra II.

**Units: 1 | Offered: Year Long****Grades: 11, 12****Honors Pre-Calculus | H MTH 350 | 27.06517****NCAA Approved | Hope Rigor Recognition**

This course will include all topics from pre-calculus at an accelerated pace. The honors level class is more theoretical in nature than the traditional course. Students will be expected to use mathematical concepts and logical reasoning to prove mathematical statements. Calculus topics such as limits, derivatives, and integrals will be introduced in an effort to prepare the student for AP Calculus. Prerequisite: Honors Algebra II, See Qualifications for Honors/AP Courses.

**Units: 1 | Offered: Year Long****Grades: 11, 12****Calculus | MTH 400 | 27.07107****NCAA Approved | Hope Rigor Recognition**

This course is a survey of introductory calculus. It is the study of single variable functions. Limits, derivatives, integrals and applications will be studied thoroughly. Prerequisite: Pre-Calculus.

**Units: 1 | Offered: Year Long**

**Grade: 12**

**Statistics | MTH 330 | 27.05107**

**NCAA Approved | Hope Rigor Recognition**

This course is an activity-based course designed to introduce statistics through application. By gathering and exploring real-life data, students will represent and interpret information, observe and anticipate patterns, decide what to measure and how to measure it, design and carry out basic studies, understand and simulate basic probability models, and logically express conclusions based on results. The purpose of this course is to help prepare students for a college level introductory statistics course. This course qualifies as an academic elective. Prerequisite: Algebra II.

**Units: 0.5 | Offered: Semester**

**Grades: 11, 12**

**AP Calculus AB | AP MTH 4AB | 27.07227**

**NCAA Approved | Hope Rigor Recognition**

This course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry, trigonometry, and pre-calculus. Calculus AB is a course in introductory calculus with elementary functions. An objective of this course is preparation for the AP Calculus AB Exam, which is given in the spring. Prerequisite: Honors Pre-Calculus; See Qualifications for Honors/AP Courses

**Units: 1 | Offered: Year Long**

**Grade: 12**

**AP Calculus BC | AP MTH 4BC | 27.07327**

**NCAA Approved | Hope Rigor Recognition**

Calculus BC is an intensive course in the calculus of functions of a single variable. In addition to all of the topics covered in Calculus AB, the Calculus BC course includes extra topics such as infinite series and parametric and polar equations. An objective of this course is preparation for the AP Calculus BC Exam, which is given in the spring. Prerequisite: Honors Pre-calculus; See Qualifications for Honors/AP Courses

**Units: 1 | Offered: Year Long**

**Grade: 12**

**AP Statistics | AP MTH 4ST | 27.07427**

**NCAA Approved | Hope Rigor Recognition**

This course is intended for students who have a thorough knowledge of algebra. It is an activity-centered course investigating four conceptual themes: 1) exploring data, observing patterns; 2) planning a study, deciding what to measure and how to measure it; 3) anticipating patterns, introducing probability, and simulation; and 4) statistical inference, confirming models for explanation of patterns. An objective of this course is preparation for the AP Statistics Exam, which is given in the spring. Prerequisite: Honors Algebra II.

**Units: 1 | Offered: Year Long**

**Grades: 11, 12**



## SCIENCE

The GWA Science Department is committed to providing students with a wide variety of science courses that are not only relevant to today's world but are college preparatory as well. One year each of biology, chemistry, and physics\* is required for graduation. Students are required to take four years of science in upper school to graduate. Students are encouraged to take more than four, especially if they plan on careers in medicine, engineering, or fields that require a strong science education.

Students who do not wish to pursue science careers will benefit from a rich background in practical science. Concepts concerning health, nutrition, consumerism, safety and scientific literacy, important to every citizen, will be part of our science curriculum. Meaningful lab experiences and hands-on activities will be part of every science course at GWA. Careful observations, critical thinking, inquiry, and promotion of interest will assist and guide our students' desire to pursue life-long learning.

*\*Physical Science, taken at GWA in eighth grade, may substitute for Physics. Upper School credit will not be given for this class.*

### **Biology | SCI 200 | 26.01207**

**NCAA Approved**

This is the science of living things and begins with the study of molecules, cells, genetics, microbiology and proceeds on to the study of higher forms of life, human biology, and ecology. Lab experience will be a major part of this course. One year of biology is required for graduation.

**Lab Course | Units: 1 | Offered: Year Long**

**Grade: 9**

### **Honors Biology | H SCI 201 | 26.01217**

**NCAA Approved**

This course will cover the science of life and begin with the study of molecules, genetics, and microbiology. It will proceed to the study of animal and plant life and will include human systems. This course will move at a more rapid pace than academic biology and will have more application questions on tests and homework. Like all GWA science classes, approximately 25 % lab work will be expected. \*Teacher Recommendation Required.

**Lab Course | Units: 1 | Offered: Year Long**

**Grade: 9**

### **AP Biology | AP BIO | 26.0407**

**NCAA Approved | Hope Rigor Recognition**

Advanced topics in genetics, biodiversity, evolution, biochemistry and statistical analysis of populations. See the College Board AP Biology website for more detailed description. The curriculum will follow the College Board syllabus in order to prepare the student for the AP College Board Exam in Biology.

**Lab Course | Units: 1 | Offered: Year Long**

**Grades: 11, 12**

**Chemistry | SCI 300 | 40.05107****NCAA Approved| Hope Rigor Recognition**

This will be an interesting in-depth study of matter and energy and how they relate to our daily lives and are of importance to science and technology. This is a college-preparatory course but very practical aspects such as safety, health, and concerns for the environment are included. Math skills and critical thinking will be fostered and opportunities for inquiry will be prevalent. This is one of the most important courses in the upper school experience. Lab work will be a major part of this course. Safety and responsibility will be stressed. One full year of chemistry is required for graduation. Prerequisite: Algebra 1

**Lab Course | Units: 1 | Offered: Year Long****Grade: 10****Honors Chemistry | H SCI 310 | 40.05117****NCAA Approved| Hope Rigor Recognition**

Students taking this course will require higher math skills than academic chemistry. The same topics as academic chemistry with additional coverage of electrochemistry and more equilibrium concepts will be covered. This course will move at a more rapid pace. One full year of chemistry is required for graduation. \*Teacher Recommendation Required

**Lab Course | Units: 1 | Offered: Year Long****Grade: 10****H Chemistry II | SCI 320 | 40.052017****NCAA Approved| Hope Rigor Recognition**

This course is for those students who have an interest in science and technology and enjoy chemistry. It is similar to AP Chemistry but at a slower pace. Lab work and hands-on activities will take up 25-30 percent of class time. Topics will include gas laws, electrochemistry, equilibrium and thermodynamics as well as environmental chemistry topics. Prerequisite: Recommendation from honors chemistry instructor and successful completion of biology, chemistry, and algebra.

**Lab Course | Units: 1 | Offered: Year Long****Grades: 11, 12****AP Chemistry | AP SCI 3 | 40.05327****NCAA Approved| Hope Rigor Recognition**

This will be a college-level chemistry course with the College Board AP Chemistry Exam to be taken in the spring. This class is for students who need a very strong chemistry background to prepare for careers in medicine, pharmacy, meteorology, etc. Topics will include electrochemistry, equilibrium, thermodynamics, gas laws, stoichiometry and others. This will be a lab course with several extended lab periods that will involve student-designed labs. Inquiry and critical thinking will be encouraged and stressed. Prerequisite: Algebra II or Pre-calculus. Successful completion of Chemistry I or Chemistry I (H) and teacher approval. Pre-requisites: minimum of 88 average in Honors Chemistry, Algebra, and must have instructor interview prior to registration.

**Lab Course | Units: 1 | Offered: Year Long****Grades: 11, 12****Physics | SCI 400 | 40.08107****NCAA Approved| Hope Rigor Recognition**

The academic physics class is a study of fundamental physics for the college prep student. The course focuses on the classic mechanics in the fall and includes motion, forces, work, energy, momentum, and gravity. In the spring, the focus will be on electricity, magnetism, sound, light, and optics. Nuclear energy will also be covered. The emphasis will be on qualitative understanding of concepts, as well as problem solving using basic algebra skills. There will be extensive use of laboratory activities to support concepts and problem solving. Pre-requisites: Chemistry and Algebra.

**Lab Course | Units: 1 | Offered: Year Long****Grades: 11, 12**

**Honors Physics | H SCI 410 | 40.08117****NCAA Approved| Hope Rigor Recognition**

The Honors Physics class is an enriched course that will cover the fundamentals of classic mechanics. This will include motion, forces, energy, and momentum. The second semester will include the study of electricity, magnetism, waves, sound, light and nuclear energy. In-depth laboratory activities and problem solving will be a major component and require a higher level of math skills. One full year of physics is required for graduation. Pre-requisites: Chemistry and Algebra and teacher recommendation.

**Lab Course | Units: 1 | Offered: Year Long****Grades: 11, 12**

## SCIENCE ELECTIVES

**Honors Anatomy and Physiology | H SCI 4AN | 26.07317****NCAA Approved| Hope Rigor Recognition**

This course provides students interested in careers in the healthcare field, or simply interested in a better understanding of their own bodies, an opportunity for advanced study of how the human body works. Will include a review of cellular biology and biochemistry before moving into a system-by-system analysis of the body. The material is presented from a medical perspective that allows students to see the relationship between anatomy and physiology. Students are challenged to "be the doctor", to diagnose disease processes and to design treatment plans in order to return patients to optimal health. Students will participate in labs designed to simulate medical settings in which they must order and interpret labs test before ordering appropriate treatments of their patients. In addition to labs, which will include multiple dissection opportunities, classroom activities will include lectures, group discussions, and student presentations. Prerequisite: Honors Biology 210 (H) and Honors Chemistry 310 (H). See Qualifications for Honors/AP Courses. Prerequisites: Completion of Biology, Chemistry, and Physics as well as teacher recommendation. This course qualifies as an academic elective.

**Lab Course | Units: 0.5 | Offered: Spring Semester****Grades 12****AP Environmental Science| AP SCI 4ES| 26.06207****NCAA Approved| Hope Rigor Recognition**

This will be the study, and investigation of the human impact on the health of earth's oceans, atmosphere, living things and the planets resources. Topics will include populations, pollution, natural resources, energy, the atmosphere, endangered species, rain forests, and all topics that influence the health of our home. This course will place biology and chemistry in a new and meaningful light. Labs and field experiences will be a major part of the course. Students will be expected to take the College Board AP Exam in May. Prerequisites: Successful completion of Biology and Chemistry with a science instructor recommendation. Interview with the instructor prior to registration. This course qualifies as an academic elective.

**Lab Course | Units: 1 | Offered: Year Long****Grade: 11, 12****Astronomy | SCI 4AST | 40.02107****NCAA Approved**

This course covers the historical development of astronomy, constellations, the celestial coordinate system, telescopes, and the solar systems. It will include modern astronomy including stellar evolution, galaxies, cosmology, and special topics such as quasars, pulsars, and black holes. Prerequisite: Chemistry.

**Units: 1 | Offered: Semester****Grades 11, 12**

**Forensic Science | SCI 500 | 40.09307****NCAA Approved | Hope Rigor Recognition**

How do we investigate crimes? The techniques and procedures that help solve crimes against people and wildlife. Forensics is based on college level introductory criminalistics. It is designed to introduce evidence analysis, data collection, and advanced scientific methods for the application of science to law. Forensic Science will focus on crime-scene techniques and applications including data collection and collation, processing to trace evidence, and how to present findings. This course will also focus on specialized lab-based techniques and applications including chemical detection, how to process biological and chemical evidence and how to generate a scientific report. The main goal of this course is to understand how precepts of biology, chemistry, and physics are used to solve crimes. This course qualifies as an academic elective. Prerequisites: Successful completion of biology, chemistry, and physics.

**Lab Course | Units: 0.5 | Offered: Semester****Grades: 11, 12****Honors Global Health | H SCI 500 | 25.45200**

This course will examine medical and cultural facets of public health in the developing world for students with a passion for health occupations. The curriculum is designed in cooperation with Duke University and Johns Hopkins University. Students are expected to travel to Belize in January to offer hands-on medical support to the local population. The curriculum will cover such topics as community and social skills, mathematics, physiology, cross-cultural understanding, and basic medical interventions like measuring blood pressure, auscultation, vaccination, and measuring infant height and weight. Students will also receive basic language training in Spanish to be used while onsite in Belize. This course qualifies as an academic elective.

**Units: 0.5 Offered: Fall Semester with trip in January****Grades: 12****Marine Biology | SCI MB | 40.07107**

What goes on under the surface of our oceans? Have we overfished populations? What about aquafarming? Where are the sea otters going? Examining food webs, human impact on species, and looking at case studies, students develop their own questions to investigate and produce an informational resource for others to better understand the marine environment. Starting with ocean exploration, this course also covers life in the oceans, and preservation strategies. This course qualifies as an academic elective.

**Units: 0.5 Offered Semester****Grades: 10, 11, 12****Global Environmental Issues | SCI GL ENV | 03.41107**

Pollution to global warming to the plastics in the oceans - what are the issues facing the world today and can we be part of the solution? This course will look at the environmental issues facing our country and our world. We will research and define the problems, research current solutions and present a conference type poster to share and communicate findings. Topics: population growth, global food and water supply, climate change, energy resources, loss of habitats and species, pollution. This course qualifies as an academic elective.

**Units: 0.5 Offered Semester****Grades: 10, 11, 12**

**Rainforest Ecology | SCI RAIN | 26.06100**

Why do we need rainforests? What is threatening the rainforests? How do we balance economics and environmental concerns? We will focus on the plant and animal adaptations as well as investigate case studies into real life management issues of the rainforest. In this case study, students examine tropical deforestation in the Amazon from the perspective of three dominant stakeholders in the region: a peasant farmer, logger, and environmentalist. As part of the exercise, students perform a cost-benefit analysis of clearing a plot of tropical forest in the Amazon from the perspective of one of these stakeholder groups. This course qualifies as an academic elective.

**Units: 0.5 Offered Semester****Grades: 10, 11, 12****Biotechnology Today | SCI BIOTECH | 02.47507**

The future for better or worse. Is the food you eat GMO? Should it be? Can we solve world hunger? What is science doing to help us in the future? Cloning and the bioethics involved in the process. Looking at real world examples and scenarios students debate whether or not the technology of the future should be developed in the here and how. This course qualifies as an academic elective.

**Units: 0.5 Offered Semester****Grades: 10, 11, 12****Great Barrier Reef | SCI BAREF | 03.43107**

Just a tourist destination? What roles do coral reefs play in the world's oceans? How are they being threatened? Find out how the Australian and Queensland governments are working with stakeholders to protect and manage the Great Barrier Reef. Through a case study and related activities, students learn where coral reefs are found and what conditions are necessary for their survival. This course qualifies as an academic elective.

**Units: 0.5 Offered Semester****Grades: 10, 11, 12****Oceanography | SCI OCEAN | 40.07107**

Most of the world's population lives near the oceans. What is the impact of people on the ocean and can both exist together? Looking at how we use our oceans through aquafarming, dumping our trash, recreation and analyzing problems and posing solutions to balance the use of the oceans and the natural existing environment. Can oceans fight global warming? Starting with ocean exploration, to life in the oceans, to preservation strategies and management, students gain a full overview of the ocean. This course qualifies as an academic elective.

**Units: 0.5 Offered Semester****Grades: 10, 11, 12****Limnology | SCI LIM | 40.09207**

The study of fresh water. How do we use water? Will we run out of fresh water? Is Acid Rain real and how does it impact our lakes and rivers? Who should get the water? To dam or not to dam. How does it impact the aquatic life on the river? Using a hands-on approach to investigate water supplies, test water for pollution and sample for organisms, students will gain insight into local water conditions and answer questions. Does agriculture impact our water resources? This course qualifies as an academic elective.

**Units: 0.5 Offered Semester****Grades: 10, 11, 12**

*AP Computer Science A and AP Computer Science Principles may substitute for fourth science unit. See Computer Science Section for information on these classes.*



## MODERN & CLASSICAL LANGUAGE

Having a global perspective means bearing a responsibility to the world community and valuing the dignity and integrity of all people, all around the world. The study of a non-native language provides a foundation and method for meeting and learning to understand the unknown. For GWA students, the study of language affords an opportunity to comprehend, analyze and interact with authentic texts and experiences in a creative and introspective way, so that they gain the ability to compare their own culture with others worldwide, thereby transforming them into global citizens. GWA offers French, Latin, and Spanish and students must complete at least two consecutive years of the same language in grades nine-12, and courses are offered at varying levels.

### **Spanish I | FLG SP1 | 60.07107**

**NCAA Approved**

The first year of study presents the beginning student the basic structure of the Spanish language. Basic grammar concepts are introduced directly, and communication exercises require active student participation in order to bring learners to a realistic level of proficiency. Development of listening and speaking skills are emphasized while reading and writing skills are gradually introduced. Each student will take the National Spanish Exam spring quarter. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 9, 10, 11**

### **Honors Spanish I | H FLG SP1 | 60.07317**

**NCAA Approved**

The first year of study presents the beginning student the basic structure of the Spanish language. Basic grammar concepts are introduced directly, and communication exercises require active student participation in order to bring learners to a realistic level of proficiency. Development of listening and speaking skills are emphasized while reading and writing skills are gradually introduced. Short compositions are required during the second half of the course in order to expand writing skills. Spanish culture is introduced through readings, magazines, and video presentations. Each student will take the National Spanish Exam spring quarter. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 9**

### **Spanish II | FLG SP2 | 60.07207**

**NCAA Approved | Hope Rigor Recognition**

The second year continues to emphasize speaking and listening skills through rapid drills thus enabling the student to speak, read, and write with greater fluency. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 10, 11, 12**

### **Honors Spanish II | H FLG S2 | 60.07217** **NCAA Approved | Hope Rigor Recognition**

Designed for the accelerated Spanish II student, this course permits the student to cover material at a more rapid rate and to do in-depth study. Supplementary reading is required and writing skills are emphasized. Students write short compositions in order to develop their writing skills. Each student



will take the National Spanish Exam spring quarter. Prerequisites: See Qualifications for Honors/AP Courses. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 10, 11, 12**

**Spanish III | FLG SP3 | 60.07317**

**NCAA Approved | Hope Rigor**

The third-year reviews Spanish I and II grammar. The vocabulary is more advanced and a few advanced grammar topics are covered. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 11, 12**

**Honors Spanish III | H FLG SP3 | 60.07317**

**NCAA Approved | Hope Rigor Recognition**

Spanish III is offered as an honors course for the advanced Spanish student. Spanish I and II grammar are reviewed. Emphasis is given to all aspects of proficiency, therefore expanding the student's vocabulary, conversation, writing, and reading. Culture is studied through literature and reading. Each student will take the National Spanish Exam spring quarter. Prerequisites: See Qualifications for Honors/AP Courses. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 11, 12**

**Spanish IV as Dual Enrollment | DE FLG SP | 60.07115**

This course teaches basic language patterns and vocabulary. Repetition and comprehensible input are important components of this course. Focus is on all four language skills listening, speaking, reading and writing. Culture is an integral part of the course and is introduced through the use of media, games, adapted readings and class discussions. This is designed for students who have or have not had Spanish in the past but want to have college credit. Prerequisites: Completion of three years in MODERN AND CLASSICAL language class or with special permission from MODERN AND CLASSICAL language teachers. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grade: 12**

**Latin I | FLG LT1 | 61.04107**

**NCAA Approved**

The objectives of this course are to prepare students to read Latin confidently, to provide an introduction to Roman culture, and to develop an awareness of the Latin roots of English vocabulary and the Latin terms still used in English. In the first year, students will learn basic grammatical concepts and vocabulary, study the daily life of the Romans both through their textbook and through outside reading assignments, and become familiar with a number of Latin expressions which have become a part of modern culture. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 9, 10, 11**

**Latin II | FLG LT2 | 64.04207**

**NCAA Approved | Hope Rigor Recognition**

The objective of this course is to continue building skills developed during the first year of Latin. During the first semester, students will learn the more advanced grammatical concepts. During the second semester, students will refine their skills by reading connected Latin prose and selections from original Latin authors. While students continue to study an aspect of Roman culture through outside reading, they will also learn about mythology and Roman history in connection with daily class assignments. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 10, 11, 12**

**Honors Latin II | H FLG LT2 | 64.04317      NCAA Approved | Hope Rigor Recognition**

This course incorporates all that is included in Latin II but allows the accelerated students an opportunity to cover material more rapidly and in greater depth as well as to explore additional material. Prerequisites: See Qualifications for Honors/AP Courses. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 10, 11, 12**

**Honors Latin III | H FLG LT 3 | 61.04317      NCAA Approved | Hope Rigor Recognition**

This is primarily a reading course covering materials and authors from the Silver Age of Latin Literature through the Golden Age. Through outside reading, students will further explore Roman history, culture and civilization. A brief review of Latin grammar and syntax will introduce the course. Prerequisites: See Qualifications for Honors/AP Courses. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 11, 12**

**French I | FLG FR1 | 60.01100**

**NCAA Approved**

French 1 is designed to be a first contact with French language and culture. Students will learn through hands-on daily activities how to communicate in French, all while building their repertoire of basic abilities and knowledge needed in any French social setting. Students will be up and talking from the first day to the last, building confidence in oral skills. They will communicate with French students their age in written and oral form regularly. They will begin to build a more realistic understanding of contemporary French perspectives, customs, and practices. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 9, 10, 11**

**Honors French II | H FLG FR2 | 60.01200**

**NCAA Approved | Hope Rigor Recognition**

French II is a continuation of skill development begun in French 1. Students will continue communicating with French students, but with higher expectations for comprehension and expression. By the end of the course, students will have a working knowledge of basic French grammar, phonemes, and essential vocabulary. They will also be deepening their knowledge of French culture, beyond basic introduction to more detailed discussion. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 10, 11, 12**

**Honors French III | H FLG FR3 | 60.01300**

**NCAA Approved | Hope Rigor**

This third year French Course is an honors course and a continuation of the first two years. The student will continue to improve listening, speaking, reading and writing skills through activities, book work and project. Students will further practice and develop their language skills. Students build on previous knowledge with additional vocabulary, verb tenses, and grammatical structures appropriate to their level. Grammar is built upon and practiced in innovative and interesting ways. More in-depth exposure to the culture of France and French-speaking countries can be found throughout the course in order to help students understand French in its context, as a truly dynamic language used for communication by millions of people throughout the world. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 11, 12**

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# ELECTIVES

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## COMPUTER SCIENCE

### **Intro to Programming | COM PRO | 11.47207**

This course is an introduction to the foundation of programming. Topics will include variable and data types, algorithms, control structures, functions, loops, and more. Students will use problem solving skills to design, write and debug computer programs. Students will gain experience using different coding languages and working in small groups. No prior knowledge of programming is needed, but math recommendations may be required. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9, 10, 11, 12**

### **Advanced Programming | A COM PRO | 11.47207**

Building on the Introduction to programming course, Advanced Programming concepts include: problem solving techniques, program design, control structures, functions, loops, data structures and algorithms. This course will focus on building applications for mobile apps as well as community projects.

**Units: 0.5 | Offered: Semester**

**Grades: 9, 10, 11, 12**

### **AP Computer Science Principles | APCSP | 11.01907**

**NCAA Approved | Hope Rigor Recognition**

AP Computer Science Principles focuses on central principles of computer science, as well as the ideas and practices of computational thinking. Students develop innovative computational artifacts using the same creative processes that artists, writers, computer scientists, and engineers use to bring ideas to life. Students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze data and draw conclusions from trends. This course engages students in creative aspects of the field through development of computational and collaboration skills to solve problems along with discussions of the impacts their solutions could have on their community, society, and the world. This course is designed to be equivalent to a first-semester introductory college computing course. This course may be used to fulfill the Georgia Graduation and Georgia College Board of Regents 4th science requirement. The required AP test will be given in May and will serve as the course final exam. This course qualifies as an academic elective. Prerequisites: Geometry, Honors Geometry, or Recommendation

**Units: 1 | Offered: Year Long**

**Grades: 10, 11, 12**

### **Robotics | COM 210 | 21.44507**

This course is designed as an introduction to robotics and engineering concepts. Students will work individually and as teams throughout the year. This course integrates science, technology, engineering, and math (STEM) concepts through hands-on learning experiences in the Robotic Lab. Students will explore the fundamentals of programming, building, problem solving, and engineering to create a robot for VEX competition. \*Active involvement with competitions outside of school hours is required. This course does not calculate into GPA. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9, 10, 11, 12**

### **Innovative Thinkers | COM INNO | 21.42507**

This high-tech, hands-on STEAM class allows students to creatively engage in STEAM (science, technology, engineering, art, and math) concepts. It encourages students to pursue their passions and interests to be innovation thinkers. The students will have access to Adobe Creative Suite for design, collaborative whiteboards, audio/visual equipment, electronics, safety equipment, 3D printers, a cutting machine, a sewing machine, and woodworking tools. Students learn to create innovative designs that explore their passions and interests by taking a big idea and making it come to fruition. They will write goals and carry out an action plan for multiple challenges to help our school and community during the course. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9, 10, 11, 12**

## **FINE ARTS**



### **VISUAL ARTS**

The visual arts department offers opportunities for all students to develop an awareness of art as a visual expression of creative thought. Courses are offered for both novice and experienced students. Advanced courses provide the opportunity for further concentration.

### **Art I | ART 410 | 50.031307**

This course introduces students to a variety of drawing and painting media. Emphasis is placed on building drawing skill in order for students to gain confidence about creating artwork. Creative problem solving is encouraged through problem-based projects. The class also stresses critical analysis of artworks of different styles and historical periods. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9, 10, 11, 12**

### **Art II | ART 420 | 50.031407**

This course deepens drawing and painting skill by introducing new drawing media and techniques. Creative problem solving is encouraged through problem based and open-ended projects. The class

also stresses critical analysis of artworks of different styles and historical periods. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9, 10, 11, 12**

### **Art III - Advanced Art | ART 430 | 50.06110**

This course builds on creative problem solving by introducing new media and techniques. An emphasis is placed on enhancing skills in art criticism, aesthetic judgment, and studio production through the use of mixed media. Creative problem solving is encouraged through problem based and open-ended projects. The class also stresses critical analysis of artworks of different styles and historical periods. This course does not calculate into GPA. This course qualifies as an academic elective. Prerequisite: Teacher recommendation. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 10, 11, 12**

### **Photography: Introduction to Digital Photography | ART PHOTO 1 | 50.071107**

This course uses the advanced digital camera to build basic skills in students who have an interest in photography, but no prior experience. Using a combination of lecture, demonstration, and hands-on exercises, this course will explore the basic photographic techniques and artistic concerns involved in making photographs. These include camera handling, composition, effective use of light, file management, digital image manipulation and developing a photographic vision. Students entering the course must have a digital camera with aperture priority, shutter priority, and exposure compensation. Students are also responsible for all digital storage media. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9, 10, 11, 12**

### **Photography 2: Intermediate Digital Photography | ART PHOTO 2 | 50.071207**

This intermediate level course is designed to expand the knowledge and abilities of motivated students who have completed Art Photo 1 Introduction to Digital Photography. Basic photographic and post-process skills learned in Art Photo 1 will be refined as students work to develop a personal photographic vision. Each student will be challenged visually and intellectually, exploring four major photographic themes. Students will then create a portfolio of unique photographs to fit one of those themes. Students entering the course must have a digital camera with aperture and shutter priority and exposure compensation. Students are also responsible for all digital storage media and outside printing of their final portfolio (12- 8"x10" images). Prerequisite: Photo 1. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9, 10, 11, 12**

### **Communication Arts: Graphic Design | ART 998 | 50.072107**

This year-long course provides an overview of the design world. Students will use a variety of materials, on and off the computer, to produce artwork that communicates an idea to a specific audience. Example projects may include poster design, logo design, and package design or illustration. This course will give students confidence in organizing ideas, creating meaning, and the ability to work ideas into new and useful creations. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 9,10,11,12 (not taught 2019-20)**

### **Sustainable Living | ART 650 | 46.5460**

Designing and building an off-grid tiny home. Art, math, science and the humanities are all combined in this double-block course. This schedule provides curriculum flexibility and allows more time for extended projects, field trips and activities. George Walton Academy practices place-based, project-centered learning. Throughout the course, students work on individual lessons focused on the local environment and sustainable living. Whenever possible, we use local resources and local examples to teach key concepts to help students develop a sense of place. Students demonstrate what they have learned by completing a final project, in this case by designing and building a full-scale sustainable house. This course qualifies as an academic elective.

**Units 2.0 | Offered: Year-Long**

**Grades: 10, 11, 12**

### **Journalism | ENG 4JR | 23.03207**

**NCAA Approved**

This class is designed to produce the school yearbook, *The Resume*. Students must apply for admission to this class. Attendance at a spring workshop is recommended. Practical instruction includes layout and design, copy writing, photography, critical editing, and the use of basic word processing and desktop publishing skills. Students are expected to learn teamwork, to complete all assignments, to sell a specified amount of advertisements, and to attend additional meetings when required by specific deadline dates. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 9, 10, 11, 12**

### **AP Studio Art: Photography | AP ART 600 | 50.08127**

This class is designed to allow students to grow as artists by creating and completing portfolios comprised of a minimum of twenty-four finished pieces divided into three specific areas: Quality, Concentration, and Breadth. Students must show mastery of art in all these areas. Mastery is defined as “full command of a subject of study.” At this critical point in your artistic development, students will have completed Photography – ART 510 and will draw on the knowledge gained from previous experience. Students will also grow as they research artists from the past and present and study how their fellow artists work and create. This course qualifies as an academic elective. Prerequisite: ART 510, teacher recommendation, portfolio evaluation. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 10, 11, 12**

### **AP Studio Art: 2D Design or Drawing and Painting | AP ART 600-2 | 50.081137**

The AP studio art student should demonstrate a mastery of technical skill and an ability to creatively solve visual problems. Students should be able to work independently and should be dedicated, as this course is extremely rigorous. In order to be enrolled, students must complete a portfolio review with the visual art teacher. The student should demonstrate an exceptional level of confidence and creative thought. This course culminates in the submission of a portfolio of 30 artworks. Portfolios are graded by a panel of college art professors and experienced high school teachers. This course qualifies as an academic elective. Prerequisite: One full year of art, teacher recommendation, portfolio evaluation.

**Units: 1 | Offered: Year Long**

**Grades: 10, 11, 12**

### **AP Studio Art: 3D Design | AP ART 600-3 | 50.081137**

This class is designed to allow students to grow as an artist by creating and completing a portfolio comprised of a minimum of fifteen finished pieces. In the 3-D Sculpture Portfolio, students are asked to demonstrate their understanding of design principles as they relate to the integration of depth and space, volume and surface. For this course, students are asked to demonstrate understanding of 3-D design through any three-dimensional approach, including, but not limited to, figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glass work, installation, performance, assemblage and 3-D fabric/fiber arts. At this critical point in your artistic development, you will have completed Sculpture – ART 602 and will draw on the knowledge you have gained from your previous experience. You will also grow as you research artists from the past and present and study how your fellow artists work and create. This course qualifies as an academic elective. Prerequisite: ART 602, teacher recommendation, portfolio evaluation.

**Units: 1 | Offered: Year Long**

**Grades: 10, 11, 12**



## ***PERFORMING ARTS***

### **Chorus | CHO 111 | 53.0731**

Concert Choir, composed of boys and girls grades 9-12, provides students the opportunity to learn and perform many styles of music. Choral performances are held each quarter with special performances included periodically for Baccalaureate and other special events. Attendance at concerts and extra rehearsals are mandatory unless excused in advance by the choral director. In class, students learn basic music theory, music sight-reading, and good vocal technique. Students are encouraged to audition for GISA All-Select Chorus and Small Group/Solo Literary Competition. Students may be held responsible for providing their own performance attire. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9,10,11,12**

### **Musical Theater | CHO 200 | 52.02107**

This class will introduce students to dance, choir, and theater by participating in a large-scale musical. The overall goal of this course is to allow students to develop an understanding of collaboration and the performing arts. Students will gain an understanding of the rehearsal process. Participation will include attendance at several rehearsals outside of class hours and GHSA competition. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Fall**

**Grades: 9,10,11,12**

### **Theater Arts| DRA 100 | 52.02307**

This class will focus on ensemble work, movement, voice, scene analysis, and will emphasis character development as students work to produce a play during the Spring Semester. Participation will include attendance at several rehearsals outside of class hours. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Spring**

**Grades: 9,10,11,12**

### **Video Production | VIDEO | 50.07317**

A video production course, whether introductory or advanced, teaches students how to produce digital videos. Students learn how to operate video equipment, how to record audio and how to complete a visual storyboard. Concepts in lighting, picture enhancement and sound reinforcement may also be covered. In an advanced course, students may learn to work with floor directors, camera operators, program directors and other video production professionals. This is a practical skills-building course, which often includes significant opportunities for students to acquire hands-on experience working with video production equipment. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9,10,11,12**

### **GWA-TV | GWA TV | 10.51217**

This class is a media and broadcasting class designed to provide students with a groundwork in various forms of media, including writing, videography, broadcasting, or public speaking. This course will include the development of the skills necessary to run a news broadcast and will cover topics such as interviewing, videography, photography, and familiarity with U.S. and world news. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9, 10, 11, 12**

### **Drama | DRAMA | 52.05107**

Drama is an introductory class designed to expose students to the fundamentals of theatre. Students will be introduced to the history of the theatre, improvisation, auditioning, scene work, and the basics of technical theatre including: stagecraft, lighting make-up, and props. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Fall Semester**

**Grades: 9,10,11,12**

### **Dance I--Dance IV | DANCE | 51.05300**

These courses develop the beginner, intermediate, and advanced dancer through principles of dance with an emphasis on historical and cultural awareness, flexibility, body awareness, fitness principles, dance technique, artistic diversity, and the choreographic process. Dancers of ALL ABILITY LEVELS will be challenged through proper technique development, appropriate choreography and artistic style. Dance styles include, but are not limited to ballet, modern, jazz, hip-hop, contemporary, latin, and other ballroom styles. Dancers will be expected to perform in the Dance Concert at the end of the semester. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9,10,11,12**

### **Hip Hop Dance | HIPH | 51.04107**

Hip hop is a high-energy class that infuses the latest styles of street dancing, breaking, popping, and locking. Classes will encourage students bring their own unique style to the movements. Achieving fitness will be a major objective as dance requires students to have the strength and stamina to successfully perform moves. Therefore, class includes upper and lower body conditioning as well as a rigorous warm-up to help prepare students for more intense movements. Students will perform in the dance concert at the end of the semester. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9,10,11,12**



### **Concert Ensemble | BND100 | 53.033**

Symphonic is the second level band at GWA. The curriculum for this class includes teamwork, student leadership, basic musical concepts, tuning, intonation recognition of notes and rhythms, some small ensemble work and individual achievement on all these elements for a class grade. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 9,10,11,12**

### **Honors Percussion Theater |H BND 103 |53.0387**

The focus of this class is to further enhance skills on the various percussion instruments and develop a better understanding of basic rhythms, music theory, performance practices/etiquette and technique. This group meets every day and has a full curriculum including marching percussion, concert percussion, percussion ensemble and individual performance techniques and understandings. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long |**

**Grades: 9,10,11,12**

### **Honors Symphonic Winds | H BND 114 | 53.03817**

Honors Symphonic winds is the highest-level ensemble and students must audition by invitation only. The main goals of this ensemble are to continue into the advanced concepts of music making, ensemble performance, music theory and a little music history. Symphonic Winds students will need to actively take private lessons outside of the ensemble class. This course qualifies as an academic elective.

**Units: 1 | Offered: Year Long**

**Grades: 9,10,11,12**

### **Piano | PIANO | 53.09417**

In Introduction to Piano, Level I, students will be introduced to music notation, basic keyboard skills, musicality, music theory, and solo and ensemble playing. Students will learn through performance, listening, and classroom instruction. This class is designed to teach students the fundamentals of piano performance and to play the piano independently. Students will also have the opportunity to explore the construction of music through technology and composition exercises. An integral part of learning to play the piano includes learning about music history, including different composers, style periods, and historical background of pieces and composers. Students will play collaboratively as well as individually. No piano or music experience is necessary. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Fall and Spring**

**Grades: 9.10.11.12**



# PHYSICAL EDUCATION/HEALTH

## LifeSports

Introductory class where students will learn skills to participate in sports including volleyball, tennis, golf, pickleball, basketball, flag football. This class is in preparation for college intramurals and a life time of enjoying sports. Performance in this class is graded on a pass/fail basis.

**Units: 0.5 | Offered: Offered: Semester**

**Grades: 9,10,11,12**

**GIRLS | PHY GLIF| 36.04207**

**BOYS | PHY BLIF| 36.04207**

## Personal Fitness

Personal Fitness is an introductory class in which students will learn techniques to exercise and strengthen all muscle groups using body weight, free weights, and various exercise equipment. The class focuses on safety using weight equipment and proper technique to avoid injury to self and others. In addition to weight lifting and strength training, students will be introduced to other avenues to improve and maintain fitness throughout life. Performance in this class is graded on a pass/fail basis.

**Units: 0.5 | Offered: Offered: Semester**

**Grades: 9,10,11,12**

**GIRLS | PHY G100| 36.05107**

**BOYS | PHY B100| 36.05107**

## Weight Training

An intermediate course that focuses on proper lifting techniques and cardiovascular endurance strategies for lifelong health. Performance in this class is graded on a pass/fail basis.

**Units: 0.5 | Offered: Semester**

**Grades: 9,10,11,12**

**GIRLS | PHY G400 | 36.05407**

**BOYS | PHY B400 | 36.05407**

## Health | HEALTH | 17.01107

The Health course is designed to develop awareness of the need for good health through these topics:

- personal health and fitness
- emotional and mental health
- family life education
- prevention and control of disease
- nutrition
- community and environmental health
- consumer health
- first aid and safety
- alcohol and drug awareness under the supervision of the Georgia State Patrol

Students will be encouraged to apply this knowledge to their lifestyles now and in the future. This course qualifies as an academic elective.

**Units: 0.5 | Offered: Semester**

**Grades: 9,10,11,12**

# *ADDITIONAL ELECTIVES*

## **Marketing and Social Media | MKT | 08.45207**

This independent study course is a hands-on opportunity for students to gain real-world marketing and communications experience with internal and external constituencies. Students will gather and edit content for weekly communications, take photos for publications and assist with website content gathering. Additionally, students will assist with events. This student may also represent the school at community events. Some weekend or evening work may be needed. Application and Interviews are required for this class. Limited class size available.

**Units: 1 | Offered: Year Long**

**Grades: 11, 12**

## **Intraship – Science Lab | SCI INT | 40.09217**

Lab techs will learn how to prepare solutions, assist science teachers with lab equipment, and receive safety training. They will also gain practical hands on training in chemistry and biology. This course does not calculate into GPA. Prerequisites: Teacher recommendation and interview.

**Units: 1 | Offered: Year Long**

**Grades: 11, 12**

## **Intraship - Library | LIB INT | 40.09217**

The Lower School Library Intra-ship teaches students the basics of library management. Students will work alongside the media specialist to learn how to use the library's digital circulation system, sort and reshelv books, assist younger students in selecting appropriate books based on their reading/interest level, assist younger students with using the Accelerated Reader program and help with simple day to day errands. Class size and availability are one student per class period except for seventh period. This course does not calculate into GPA. Prerequisites: Teacher recommendation and interview.

**Units: 1 | Offered: Year Long**

**Grades: 11, 12**

## **Intraship – HUB/Student Technology Leadership | HUB INT | 11.42007**

This course is designed to provide students with a hands-on approach to the study of technology integration in an educational context. Students will assess problem sets from teachers and students throughout the day and address these problems via a physical and virtual helpdesk environment. Using methodology consistent with instructional design concepts, students will also be required to design, maintain, and complete several running projects that address problems in educational technology integration. Additionally, this course will give students an opportunity to pursue an independent learning capstone consistent with course objectives and expectations under the supervision of instructors. To be successful in this course, students should have a prior understanding of Microsoft Windows OS and the Microsoft Office Suite. This course does not calculate into GPA. Prerequisites: Teacher recommendation and interview.

**Units: 1 | Offered: Year Long**

**Grades: 11, 12**

**Intraship – Peer Tutoring | PEER INT | 12.55107**

Academic Peer Tutoring is a course designed to provide students with methods of effective tutoring. Peer Tutors will work with tutees in one-to-one and small group situations coaching them on academics with emphasis on effective strategy and study skills. This course does not calculate into GPA. Prerequisites: Teacher recommendation and interview.

**Units: 1 | Offered: Year Long**

**Grades: 11, 12**