



**GEORGE
WALTON
ACADEMY**

— EST. 1969 —

COURSE CATALOG

GEORGE WALTON ACADEMY

2021 - 2022

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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 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 advisors 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. These will count toward graduation but 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 seeking placement in a course 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 mandate 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

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.

Discipline	Units Required	Specific Required Courses
English	4	World Literature, American Literature, British Literature (unless taking AP Language/AP Literature)
Mathematics	4	Algebra I, Geometry, Algebra II, and at least one course beyond Algebra II
Science	4	Biology, Chemistry, Physics*
Social Studies	3	World History, US History
World Languages	2	Through level 2 of one language, taken in consecutive years
PE/Health	1	0.5 unit of PE, 0.5 unit of Health*
Electives	6	At least 3 units must be in academic electives (non-academic electives include PE and intra-ships)
WinterTerm	2	Selections vary each year – 0.5 unit per year required

*Eighth grade Physical Science may substitute for Physics, if taken at GWA, and eighth grade Health may count if taken at GWA.

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).

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.

NINTH GRADE COURSE OF STUDY

Students must be registered in six classes (units) per day, in addition to a study hall.

All 9th graders will take **one** course from each of the following disciplines:

Department	Yearlong Classes (1.0 unit each)
English	World Literature / Honors World Literature*
Math	Algebra I / Honors Algebra I* Honors Accelerated Geometry*
Science	Biology / Honors Biology*
Social Studies	World History / Honors World History*/ AP World History*

Additionally, 9th graders should choose 2.0 units from the following list:

Semester Classes (0.5 unit each)			
Arts	Art 1 Art 2 Chorus Dance Advanced Dance* Intro to Drama	One Act Competition* Improv Comedy* Dramatic Performance* Guitar 1 Intro to Film Production Photography 1	Photography 2 Piano Advanced Piano* Piano - Songs I Know
Bible	Bible - Old Testament	Bible - New Testament	
Health & Wellness	Life Sports	Health	Science of Happiness
Exercise Science & Athletic Perf.	Weight Training Adv. Weight Training	Weight Training (girls) Adv. Weight Training (girls)	
Technology	Robotics	Web Design	Sports Broadcasting
Science	Marine Ecology (Summer Only)		
Social Studies	World Geography	Business & Marketing	

Yearlong Classes (1.0 unit each)		
Arts	Concert Ensemble Honors Percussion* Honors Symphonic Winds*	Graphic Design Fundamentals Publication Design (Yearbook)*
Technology	Programming, Apps, Games & Society	Web Development
World Languages**	Spanish I Honors Spanish I* Spanish II Latin I	French I H French II* ASL I H ASL II*

*Class requires a teacher recommendation.

**World Language is not required for 9th grade, but at least two consecutive years must be completed before graduation.

TENTH GRADE COURSE OF STUDY

Students must be registered in six classes (units) per day, in addition to a study hall.

All 10th graders will take **one** course from each of the following disciplines:

Department	Yearlong Classes (1.0 unit each)
English	American Literature / Honors American Literature*
Math	Geometry / Honors Geometry* Honors Algebra II*
Science	Chemistry / Honors Chemistry*
Social Studies	US History / H US History* / AP US History*

Additionally, 10th graders should choose **2.0 units** from the following list:

Semester Classes (0.5 unit each)			
Arts	Art 1 Art 2 Chorus Dance Advanced Dance* Intro to Drama	One Act Competition* Improv Comedy* Dramatic Performance* Guitar 1 Intro to Film Production	Photography 1 Photography 2 Piano Advanced Piano* Piano - Songs I Know
Bible	Bible - Old Testament	Bible - New Testament	
Health & Wellness	Life Sports	Health	Science of Happiness
Exercise Science & Athletic Perf.	Weight Training Adv. Weight Training	Weight Training (girls) Adv. Weight Training (girls)	
Technology	Robotics	Web Design	Sports Broadcasting
Science	Marine Ecology (Summer)		
Social Studies	World Geography	Business & Marketing	

Yearlong Classes (1.0 unit each)			
Arts	Art 3* Honors Art* AP Studio Art - 2D* AP Studio Art - 3D* AP Drawing*	CI Photography Concert Ensemble Guitar 2 Honors Percussion* Honors Symphonic Winds*	Graphic Design Fundamentals Publication Design (Yearbook)* Sculpture & Set Design Sustainable Living
Technology	AP Computer Science*	Programming, Apps, Games & Society	Web Development
World Languages**	Spanish I Spanish II Honors Spanish II* Latin I	Latin II Honors Latin II* French I H French II*	H French III* ASL I H ASL II* H ASL III*

*Class requires a teacher recommendation.

**World Language is not required for 10th grade, but at least two consecutive years must be completed before graduation.

ELEVENTH GRADE COURSE OF STUDY

Students must be registered in six classes (units) per day, in addition to a study hall.

All 11th graders will take **1.0 unit** from each of the following disciplines:

Department	Yearlong Classes (1.0 unit each)	Semester Classes (0.5 unit each)
English <i>(students may double up)</i>	British Literature AP Language & Composition* AP Literature & Composition*	
Math <i>(students may double up with AP Statistics)</i>	Algebra II / Honors Algebra II* Precalculus / Honors Precalculus* AP Statistics*	
Science <i>(students may double up)</i>	Physics / Honors Physics* AP Biology* AP Chemistry* AP Physics* AP Environmental Science* Honors Anatomy and Physiology* Biology II Astro / Geo / Meteoro / Oceano (AGMO)	Forensics I Forensics II Honors Global Health* HIP (spring only)*

Additionally, 11th graders should choose up to **3.0 units** from the following lists:

Semester Classes (0.5 unit each)			
Arts	Art 1 Art 2 Chorus Dance Advanced Dance* Intro to Drama	One Act Competition* Improv Comedy* Dramatic Performance* Guitar 1 Intro to Film Production Photography 1	Photography 2 Piano Advanced Piano* Piano - Songs I Know
Bible	Bible - Old Testament	Bible - New Testament	
Math	Statistics		
Health & Wellness	Life Sports	Health	Science of Happiness
Exercise Science & Athletic Perf.	Weight Training Adv. Weight Training	Weight Training (girls) Adv. Weight Training (girls)	
Technology	Robotics	Web Design	Sports Broadcasting
Science	Marine Ecology (Summer)		
Social Studies	World Geography Natural Disasters & Geopolitics Economics International Relations	Business & Marketing Financial Literacy US Government Examining Capitalism	Geopolitics & Game Theory Freedom & the Law

Yearlong Classes (1.0 unit each)

Arts	Art 3* Honors Art* AP Studio Art - 2D* AP Studio Art - 3D* AP Drawing*	CI Photography Concert Ensemble Guitar 2 Honors Percussion* Honors Symphonic Winds*	Graphic Design Fundamentals Publication Design (Yearbook)* Sculpture & Set Design Sustainable Living
Intra-ships	LS Library HUB	Peer Tutoring Science Lab	Marketing & Social Media
Science	Drafting & Design		
Social Studies	AP Economics*	AP Psychology*	AP US Gov & Politics*
Technology	AP Computer Science*	Programming, Apps, Games & Society	Web Development
World Languages**	Spanish I Spanish II H Spanish II* H Spanish III* Latin I	Latin II H Latin II* H Latin III* French I H French II*	H French III* H French IV* ASL I H ASL II* H ASL III*

*This class requires a teacher recommendation.

**World Language is not required for 11th grade, but at least two consecutive years must be completed before graduation.

TWELFTH GRADE COURSE OF STUDY

Students must be registered in six classes per day, in addition to a study hall.

All 12th graders will take **1.0 unit** from each of the following disciplines:

Department	Yearlong Classes (1.0 unit each)	Semester Classes (0.5 unit each)
English <i>(students may double up)</i>	AP Language & Composition* AP Literature & Composition* DE Composition 101/102*	Ancient Myths & Modern Ethics Art of Argument Post-Colonial World Literature The Literary South Tutoring & Composition
Math <i>(students may double up with AP Statistics)</i>	Algebra III Precalculus / Honors Precalculus* Calculus AP Calculus AB* AP Statistics*	
Science <i>(students may double up)</i>	Physics / Honors Physics* AP Biology* AP Chemistry* AP Physics* AP Environmental Science* Honors Anatomy and Physiology* Biology II Astro / Geo / Metro / Oceano (AGMO)	Forensics I Forensics II Honors Global Health* HIP (fall only)*

Additionally, 12th graders should choose up to **3.0 units** from the following lists:

Semester Classes (0.5 unit each)			
Arts	Art 1 Art 2 Chorus Dance Advanced Dance* Intro to Drama	One Act Competition* Improv Comedy* Dramatic Performance* Guitar 1 Intro to Film Production Photography 1	Photography 2 Piano Advanced Piano* Piano - Songs I Know
Bible	Bible - Old Testament	Bible - New Testament	
Math	Statistics		
Health & Wellness	Life Sports	Health	Science of Happiness
Exercise Science & Athletic Perf.	Weight Training Adv. Weight Training	Weight Training (girls) Adv. Weight Training (girls)	
Science	Marine Ecology (Summer)		
Social Studies	World Geography Natural Disasters & Geopolitics Economics International Relations	Business & Marketing Financial Literacy US Government Examining Capitalism	Geopolitics and Game Theory Freedom and the Law
Technology	Robotics	Web Design	Sports Broadcasting

Yearlong Classes (1.0 unit each)

Arts	Art 3* Honors Art* AP 2D Art & Design* AP 3D Art & Design* AP Drawing*	CI Photography Concert Ensemble Guitar 2 Honors Percussion* Honors Symphonic Winds*	Publication Design (Yearbook)* Sculpture & Set Design Sustainable Living Independent Art* Graphic Design Fundamentals
Intra-ships	LS Library HUB	Peer Tutoring Science Lab	Marketing & Social Media
Science	Drafting & Design		
Social Studies	AP Economics*	AP Psychology*	AP US Gov & Politics*
Technology	AP Computer Science*	Programming, Apps, Games & Society	Web Development
World Languages**	Spanish I Spanish II H Spanish II* H Spanish III* DE Spanish IV* Latin I	Latin II H Latin II* H Latin III* H Latin IV* French I H French II*	H French III* H French IV* ASL I H ASL II* H ASL III*

*This class requires a teacher recommendation.

**World Language is not required for 12th grade, but at least two consecutive years must be completed before graduation.



HUMANITIES

In Humanities, we emphasize that the product is only as good as the process it takes to get there. Knowing answers to questions is largely useless without an understanding of what goes into finding those answers. In an increasingly technology-driven environment, it is imperative to teach students how to distinguish between the two. Humanities classes at George Walton Academy challenge our students to find answers, not remember them; to defend ideas, not adopt them; and to challenge assumptions, not to accept them. In short, we are of the conviction that producing active thinkers is the best service that we can offer our families. We strive to pursue an approach to teaching English and social studies that focuses on dealing with sources rather than textbooks, requiring students to engage with the material first in its original context and next in relation to its influence beyond its own production. When dealing with questions and interpretations, it is of great importance to learn clear, precise, and conscious expression, and all our humanities classes emphasize that skill through discussion and composition. We pursue an experience with diverse thoughts and cultures through the documents, philosophies, art, and literature that they produce, thereby expanding our own understanding of the contemporary realities that are the product of what has come before. In an increasingly interconnected world, our students will be able to encounter the unfamiliar with the tools to understand, assess, and communicate.

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. Students must complete four years of English.

World Literature | ENG 100

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: Yearlong

Grade: 9

Honors World Literature | H ENG 105

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: Yearlong

Grade: 9

American Literature | ENG 200

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.

Units: 1 | Offered: Yearlong

Grade: 10

Honors American Literature | H ENG 205

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. 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: Yearlong

Grade: 10

British Literature | ENG 300

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 Postmodern literature, always reading the literature in light of its cultural context. Students study these texts and their historical, political contexts while delving into textural 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: Yearlong

Grade: 11

DE Composition 101/102 | DE ENG 500/DE ENG 501

NCAA Approved | HOPE Rigor

The Dual Enrollment Composition and Literature course sequence, two, one-semester college credit courses, will be taught on the GWA campus by GWA faculty for transferable credit through Truett-McConnell. The first semester (ENG 101) is a writing course focusing on essays in several patterns of exposition and including basic and intermediate grammar and usage review. The second semester (ENG 102) is a writing and reading comprehension course designed to develop writing skills beyond the level of proficiency required by EN 101, that emphasizes interpretation and evaluation based on an introduction to fiction, drama, and poetry, and that incorporates a variety of more advanced research methods. Prerequisite: Teacher recommendation

Units: 2 (total combined) | Offered: Yearlong

Grade: 12

AP® English Language and Composition | AP ENG 350

NCAA Approved | HOPE Rigor

The 11th/12th grade AP® English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts [primarily, but this course will also include fiction, poetry, images, and audio with a British Literature lens], and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction [and fiction/poetry]—including images as forms of text—from a range of disciplines and historical periods.

Units: 1 | Offered: Yearlong

Grade: 11, 12

AP® Literature and Composition | AP ENG 450

NCAA Approved | HOPE Rigor

The 11th/12th AP® English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. (Description from collegeboard.org)

Units: 1 | Offered: Yearlong

Grade: 11, 12

Post-Colonial World Literature | ENG 460

NCAA Approved

This world literature course is an introduction to postcolonialism and the literature from writers of countries who were formerly part of the British Commonwealth, including but not limited to writers from India, Haiti, Nigeria, South Africa, New Zealand, and Australia. The literature of this class will represent a global perspective on issues derived from the effects of colonialism. Additionally, students will engage in a variety of writing and presentation assignments inspired by and in response to the class readings. The class will maintain an emphasis on college-preparatory reading, writing, and presentation skills.

Units: 0.5 | Offered: Semester

Grade: 12

Diverse Voices of the Literary South | ENG 410

NCAA Approved

This Southern literature course will engage students in the careful reading of the rich and diverse literature of the American South. Students will take a multifaceted view of the culture, history, and voices of modern Southern literature spanning from the beginning of the twentieth century to today. The literature of this class will represent a diverse range of authors, poets, and even musicians. The class will correlate the study of literature with a study of composition (written, visual, and oral) inspired by and in response to the class readings. The class will maintain an emphasis on college-preparatory reading and writing skills.

Units: 0.5 | Offered: Semester

Grade: 12

Ancient Myths, Modern Ethics | ENG 420

NCAA Approved

There are two family cycles in ancient Greek mythology: the House of Cadmus and the House of Atreus. Those two families are at the heart of almost all the coolest trouble: murder, cannibalism, incest, war, kidnapping, phantom wife chasing (yep), blasphemy. Basically, all of the worst things that humanity does. But the writers frequently place the trouble (very carefully) in the hands of the gods. Humans are the victims of gods and Fate. The stories deal with profound ethical questions of human action and reaction and pose nearly perfect case studies for an ethics class. Therefore, this course will study ethics under the umbrella Greek mythology. The class is a discussion-intensive class that deals with difficult and mature issues.

Units: 0.5 | Offered: Semester

Grade: 12

Art of Argument | ENG 430

NCAA Approved

We have lost what it means to argue, let alone what it means to argue effectively. The short-form, sound bite “debates” on cable news or in the cafeteria are almost always pathetic. Literally. Rhetoric is the art of effective argument. In this class, we will deal with difficult topics from current and past events to learn how to argue convincingly. The course requires engagement with difficult matters and a willingness to challenge your own assumptions and expectations. No shouting.

Units: 0.5 | Offered: Semester

Grade: 12

Tutoring and Composition | ENG 440

NCAA Approved

This course introduces students to peer tutoring in a writing center. Students in this course will familiarize themselves with the writing process, including revision strategies and tutoring methods through reading, responding to, and critiquing writing. Students will also receive additional training as peer tutors by observing, analyzing, and reflecting on tutoring sessions and the tutoring process. Last, students will enhance their writing, listening, speaking, and collaboration skills by assisting other students in the Writing Center. The focus of the class will ultimately be your growth as a college prepared writer.

Units: 0.5 | Offered: Semester

Grade: 12

Bible - Old Testament | ENG 310

Did you know that the Old Testament contains more than 2/3 of the text of the Bible? Did you realize that the Old Testament timeline covers thousands of years of history and tells us the stories of people whose lives still affect world events today? Are you familiar with the Old Testament prophets that describe in detail the characteristics of the Messiah and the events that happen when he comes, hundreds of years before they take place? The purpose of this overview of the Old Testament is to focus on the content of each of the Old Testament books, the historical events that give context to the books, and specific questions that help draw out the overarching principles contained in the Old Testament. There is also an emphasis on identifying ways to use this material that can help people in their daily lives.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Bible - New Testament | ENG 320

This survey of the New Testament allows students the opportunity to learn about the writings of the New Testament, to appreciate the historical context in which the Christian canon arose, and to discuss the theological perspectives of these texts. As students do close textual study and interpretation, they are challenged to make connections between the first-century world and their own lives. Students read significant portions of the Gospels, Letters and the book of Acts.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 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 for two of those units, and then can choose from elective and AP® options for their third required unit. AP® 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 100

NCAA Approved

An introductory study of world history from the ancient river valley civilizations up to contemporary events. This yearlong 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: Yearlong

Grade: 9

Honors World History | H SSC 105

NCAA Approved

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: Yearlong

Grade: 9

AP® World History | AP SSC 150

NCAA Approved

AP® World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. This course is open to 9th grade students by invitation only.

Units: 1 | Offered: Yearlong

Grade: 9

U.S. History | SSC 200

NCAA Approved

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

Units: 1 | Offered: Yearlong

Grade: 10

Honors US History | H SSC 205

NCAA Approved

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 twenty-first century. Honors 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 the present.

Units: 1 | Offered: Year Long

Grade: 10

AP U.S. History | AP SSC 250**NCAA Approved | HOPE Rigor**

The AP® United States History 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. Enrolled students may have the opportunity to participate in the Virginia class trip during Winter Term.

Units: 1 | Offered: Yearlong**Grade: 10****Economics | SSC 300****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 Freidman had in 15 shaping American economic policy. It briefly examines the ideas of socialism and communism and their impact on the world.

Units: 0.5 | Offered: Semester**Grade: 11, 12****AP® Microeconomics | AP SSC 350
AP® Macroeconomics | AP SSC 360****NCAA Approved | HOPE Rigor**

During the AP® Microeconomics and Macroeconomics courses, students explore the fundamentals of economics. 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.

Units: 1 | Offered: Yearlong**Grade: 11, 12****U.S. Government | SSC 310****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.

Units: 0.5 | Offered: Semester**Grade: 11, 12****AP® US Gov. and Politics | AP SSC 450****NCAA Approved | HOPE Rigor**

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.

Units: 1 | Offered: Yearlong**Grade: 11, 12****International Relations and Politics | SSC 506****NCAA Approved**

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.

Units: 0.5 | Offered: Semester

Grade: 11, 12

World Geography | SSC 410

NCAA Approved

World 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.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

AP® Psychology | AP SSC 460

NCAA Approved | HOPE Rigor

A full year course, AP® Psychology introduces students to the systematic and scientific study of behavior and mental processes in humans and animals. While considering the psychologists, research studies, and experiments that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with the biological bases of behavior, sensation and perception, learning and cognition, motivation, human development, social behavior, and the treatment of abnormal behavior. Throughout the course, students employ psychological research methods and ethical considerations to analyze claims, evidence, and biases in research studies, and effectively communicate ideas. A variety of informational sources will be used, including textbooks, the internet, popular media, newspapers and professional journals.

Units: 1 | Offered: Yearlong

Grade: 11, 12

Examining Capitalism | SSC 540

NCAA Approved

What exactly is capitalism? How has capitalism contributed to the development of the modern world? Does capitalism have flaws? How does capitalism compare to other economic systems? What is the correct role of government in our economy and society? This course will attempt to answer these questions and others by studying the work of such thinkers as Aristotle, Adam Smith, Milton Friedman, Karl Marx, Friedrich Hayak, John Maynard Keynes, and others. Students will examine case studies in order to assess the impact of capitalist ideas on society and business.

Units: 0.5 | Offered: Semester

Grade: 11, 12

Geopolitics and Game Theory | SSC 450

NCAA Approved

What is game theory and how can we use knowledge of game theory in order to better understand world events and decision making? This course will ask students to apply game theory models to analyze geopolitical decision making. Students will conduct studies of particular conflicts and compromises and develop models to help discern causes and consequences of choice. Students will investigate topics that will address historical events and principles of game theory in order to develop strategies that provide rational solutions for complex, real-world problems.

Units: 0.5 | Offered: Semester

Grade: 11, 12

Freedom and the Law | SSC 550

NCAA Approved

To properly exercise your right to be silent, must you verbalize your desire to remain silent? Do you possess freedom of speech in a school? Can the government force Apple to unlock an accused criminal's iPhone? A one semester course, Freedom and the Law will help students answer these questions while demystifying the law and exploring the American legal system. The central focus of the course is constitutional law, specifically the First, Fourth, Fifth, Sixth, and Fourteenth Amendments. Students will grapple with the Supreme Court's changing interpretation of these Amendments as well as the resulting impact on American life through case studies, mock trials, discussion and debate.

Units: 0.5 | Offered: Semester

Grade: 11, 12

Natural Disasters and Geopolitics | SSC 320

NCAA Approved

This course is designed to introduce students to issues related to global power struggles, nationalist conflicts, border dynamics, resource disputes and more in the context of natural disasters in the present age and ages past. Students will explore geostrategic concerns in the political, economic, environmental, cultural and physical arenas to help them better understand the relationships between humans and their environment - both the one they have created and the natural one that responds. As students learn how to use place, scale and boundaries to better understand why certain people, groups or countries act in certain ways in certain situations, they will be able to contextualize issues and therefore try to understand the limits and possibilities faced by diverse political actors as they negotiate, initiate or try to avoid conflict.

Units: 0.5 | Offered: Semester

Grade: 11, 12

Financial Literacy | SSC 530

How money smart are you? This course is specifically designed for students to understand the importance of the financial world, including planning and managing money wisely. Areas of study include sources of income, budgeting, banking, consumer credit, credit laws and rights, personal bankruptcy, insurance, spending, taxes, investment strategies, savings accounts, mutual funds and the stock market, buying a vehicle, and living independently. Based on the hands-on skills and knowledge applied in this course, students will develop financial goals, and create realistic and measurable objectives to be MONEY SMART! Students will apply mathematical concepts in realistic scenarios and will actively engage by applying the mathematics necessary to make informed decisions related to personal finance. This course places great emphasis on problem solving, reasoning, representing, connecting and communicating financial data.

Units: 0.5 | Offered: Semester

Grade: 11, 12

Business and Marketing | SSC 510

In the Business and Marketing course, you will study the concepts, principles and operations of business—this includes an in-depth look at marketing and the impact it has on business and society. You will explore the functions of modern business management, marketing strategies/ tactics, and business ethics/social responsibility. Students will learn about themselves, their decisions, and their goals to determine how entrepreneurship can play a role in their lives. Students will apply their knowledge to the creation of a coffee shop on campus.

Units: 1.0 | Offered: Yearlong

Grade: 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 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

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: Yearlong

Grade: 9

Honors Algebra I | H MTH 110

NCAA Approved

This course will include all topics from Algebra I 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 to move on to the next course the following year. Prerequisite: Pre-Algebra or equivalent.

Units: 1 | Offered: Yearlong

Grade: 8, 9

Honors Accelerated Geometry | H MTH 211

NCAA Approved

This course will cover the same topics as in Geometry, but will include more in-depth study of constructions, proofs, conjecture and probability in an accelerated grade. Additional attention is paid to logic and proofs. The goal of this acceleration is for students to eventually reach AP Calculus.

Units: 1 | Offered: Yearlong

Grade: 9

Geometry | MTH 200

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: Yearlong

Grade: 10

Honors Geometry | H MTH 210

NCAA Approved

This course will cover the same topics as in Geometry but will include more challenging problems and rigorous class discussions. Additional attention is paid to logic and proofs. Prerequisite: Honors Algebra I.

Units: 1 | Offered: Yearlong

Grade: 10

Algebra II | MTH 300**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: Yearlong**Grade: 11****Honors Algebra II | H MTH 310****NCAA Approved**

This course will include all topics from Algebra II 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.

Units: 1 | Offered: Yearlong**Grade: 10, 11****Algebra III | MTH 320****NCAA Approved | HOPE Rigor**

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: Yearlong**Grade: 11, 12****Pre-Calculus | MTH 340****NCAA Approved | HOPE Rigor**

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: Yearlong**Grade: 11, 12****Honors Pre-Calculus | H MTH 350****NCAA Approved | HOPE Rigor**

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.

Units: 1 | Offered: Yearlong**Grade: 11, 12****Calculus | MTH 400****NCAA Approved | HOPE Rigor**

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. Students who plan to pursue a STEM program in college are encouraged to take Calculus. Prerequisite: Pre-Calculus.

Units: 1 | Offered: Yearlong**Grade: 12**

Statistics | MTH 330**NCAA Approved | HOPE Rigor**

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. Prerequisite: Algebra II.

Units: 0.5 | Offered: Semester**Grade: 11, 12****AP® Calculus AB | AP MTH 450****NCAA Approved | HOPE Rigor**

This course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry, trigonometry, and pre-calculus. AP® 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.

Units: 1 | Offered: Yearlong**Grade: 12****AP® Statistics | AP MTH 460****NCAA Approved | HOPE Rigor**

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: Yearlong**Grade: 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 8th grade, may substitute for Physics - High School credit will not be given.*

Biology | SCI 100

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.

Lab Course | Units: 1 | Offered: Yearlong

Grade: 9

Honors Biology | H SCI 105

NCAA Approved

Honors Biology emphasizes the study of biological molecules, cell structure and function, and the genetic basis of inheritance and adaptation. This course will delve into greater technical depth than academic-level Biology, require students to draw connections between ideas, and necessitate strong study skills. Supporting claims with evidence and laboratory skill-building will be important experiences of this course.

Lab Course | Units: 1 | Offered: Yearlong

Grade: 9

AP® Biology | AP 350

NCAA Approved | HOPE Rigor

AP® Biology is an introductory college-level biology course. Students cultivate their understanding of biology as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. Technical reading and writing, and laboratory investigations with graphing and data analysis are emphasized. Prerequisites: Biology, Chemistry, and teacher recommendation.

Lab Course | Units: 1 | Offered: Yearlong

Grade: 11, 12

Chemistry | SCI 200

NCAA Approved | HOPE Rigor

This college-preparatory course introduces students to the study of matter, energy and their interaction. Topics in the course include atoms, molecules and chemical reactions. A major focus will be modeling physical

processes mathematically and relating those models to real world laboratory experiments. Safety and responsibility will be stressed as basic lab skills are developed. Prerequisite: Algebra 1.

Lab Course | Units: 1 | Offered: Yearlong

Grade: 10

Honors Chemistry | H SCI 205

NCAA Approved | HOPE Rigor

Honors chemistry introduces students to the same chemical processes as academic-level chemistry, but stresses student inquiry and critical thinking. Topics will be covered in much greater depth. Assessments will ask students to connect topics and build a higher level of understanding. Higher level math skills will be stressed. Laboratory results will often be analyzed using digital tools and graphical models. Prerequisite: Algebra 1.

Lab Course | Units: 1 | Offered: Yearlong

Grade: 10

AP® Chemistry | AP SCI 360

NCAA Approved | HOPE Rigor

AP® Chemistry is an introductory college-level chemistry course. Topics include atomic structure, bonding, intermolecular forces, chemical reactions, kinetics, thermodynamics, equilibrium and electrochemistry. This course focuses on critical thinking and problem solving. The laboratory experiments will stress inquiry and student creativity. Students will be expected to report on laboratory work by writing scientific style papers or oral reports. Prerequisite: Chemistry, Algebra II, and a teacher recommendation.

Lab Course | Units: 1 | Offered: Yearlong

Grade: 11, 12

Physics | SCI 300

NCAA Approved | HOPE Rigor

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. Prerequisites: Chemistry and Algebra II.

Lab Course | Units: 1 | Offered: Yearlong

Grade: 11, 12

Honors Physics | H SCI 305

NCAA Approved | HOPE Rigor

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. Pre-requisites: Chemistry, Algebra II and teacher recommendation.

Lab Course | Units: 1 | Offered: Yearlong

Grade: 11, 12

AP® Physics | AP SCI 460

NCAA Approved | HOPE Rigor

AP® Physics is an Algebra based, introductory college level physics course. Students cultivate their understanding of physics through classroom study, in class activity, and hands on, inquiry-based laboratory work as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion. The course requires that more than twenty five percent of instructional time will be s curriculum will follow the College Board syllabus in order to prepare the student for the AP® College Board Exam. Prerequisite: Algebra II and teacher recommendation.

Lab Course | Units: 1 | Offered: Yearlong

Grade: 11, 12

Honors Anatomy & Physiology | H SCI 315

NCAA Approved | HOPE Rigor

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. Coursework will include a review of cellular biology and biochemistry before moving into a system-by-system analysis of the body. In addition to labs, which will include multiple dissection opportunities, classroom activities will include lectures, group discussions, and student presentations. Prerequisite: Biology, Chemistry, and teacher recommendation.

Lab Course | Units: 1.0 | Offered: Yearlong

Grade: 11, 12

AP® Environmental Science | AP SCI 450

NCAA Approved | HOPE Rigor

AP® Environmental Science challenges students to identify and analyze natural and human-made environmental problems, evaluate the risks associated with these problems, and examine alternative solutions for resolving or preventing them. This is an interdisciplinary course that examines a variety of interrelationships within the natural world, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Scientific reading and writing, mathematical problem solving, and laboratory investigations are emphasized. Prerequisites: Biology, Chemistry, and teacher recommendation.

Lab Course | Units: 1.0 | Offered: Yearlong

Grade: 11, 12

Forensic Science I | SCI 500

NCAA Approved | HOPE Rigor

Forensic science is the application of scientific methods to matters involving the public. One of its principal applications is the scientific analysis of physical evidence generated by criminal activity. During this course students will learn basic concepts in forensic science and the criminal justice system and apply the basic concepts towards evidence collection and analysis. Topics will include fingerprints, impression evidence, firearms, questioned documents, pathology, entomology, anthropology, and forensic science and the law and ethics.

Lab Course | Units: 0.5 | Offered: Semester

Grade: 11, 12

Forensic Science II | SCI 510

NCAA Approved | HOPE Rigor

Students will learn basic concepts in forensic chemistry and forensic biology and apply the basic concepts towards evidence analysis. Students will learn instrumental procedures and methods used in forensic chemistry and forensic biology to analyze and evaluate evidence. Topics will include microscopy, spectroscopy, chromatography, hairs and fibers, arson and explosions, soils, glass, paints and inks, serology and DNA, blood splatter, illicit drugs and toxicology.

Lab Course | Units: 0.5 | Offered: Semester

Grade: 11, 12

Honors Global Health | H SCI 405

NCAA Approved | HOPE Rigor

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.

Units: 0.5 | Offered: Fall Semester with trip in January

Grade: 11, 12

Marine Ecology | SCI 400

NCAA Approved

Marine Ecology is defined as the scientific study of marine-life habitat, populations, and interactions among organisms and the surrounding environment including their abiotic and biotic factors. The study of marine ecology also includes the influence of geology, geography, meteorology, pedology, chemistry, and physics on marine environments. We will take this definition into the field and study the interactions firsthand as we sample the environment for organisms and record abiotic factors. The class will begin with 4-5 days on site either in Florida or Skidaway Island, GA. Following the field experience, we will further engage and wrap up our study in the classroom. This class will require independent work while we are on site as well as outside of the classroom.

Units: 0.5 | Offered: Summer only

Grade: 10, 11, 12

Biology II | SCI 150

NCAA Approved | HOPE Rigor

Explore a survey of the Tree of Life, focusing on animal diversity and comparative anatomy through the Fall Semester then plant phylogenetic and taxonomic principles during Spring Semester. A heavy emphasis will be placed on mastering technical terminology, using Greek and Latin word roots, creating and labeling illustrations, and safe dissection techniques of preserved and fresh specimens.

Lab Course | Units 1.0 | Offered: Yearlong

Grade: 11, 12

Astronomy, Geology, Meteorology, Oceanography (AGMO) | SCI 410

NCAA Approved

Students use concepts from biology, chemistry, and physics to develop an understanding of large systems like the earth, the solar system and the universe. Astronomy is discussed during the fall semester. This section focuses on historical astronomy, planetary motion, observations of electromagnetic signals, stellar processes, and galaxies. In the spring, students are introduced to the systems that govern planet earth. The study of Geology includes the earth's history, plate tectonics, landforms and maps. Oceanography focuses on the structure and composition of the oceans as well as marine organisms that live there. In meteorology, the final section of the course, students learn about how solar energy powers the weather and produces the climate on earth. All appropriate aspects of the lecture are supported by the student's own guided observations and scientific investigations.

Units: 1.0 | Offered: Yearlong

Grade: 11, 12

Introduction to Drafting and Design | SCI |

This course is a year long foundational course covering the fundamentals of architectural and engineering drafting and design. Emphasis is placed on safety, employability skills, the correct use of drafting tools and equipment, drafting media, sketching, lettering, alphabet of lines, geometric construction, fundamentals of AutoCAD and Inventor, multiview drawing, and basic dimensioning. Students learn drafting techniques through the study of geometric construction during the first semester and progress to computer-aided drafting and design second semester. The standards are aligned with the national standards of the American Design Drafting Association (ADDA).

Units: 1.0 | Offered: Yearlong

Grade: 11, 12

Honors Inquiry Program | SCI 420
(Spring Semester - Junior Year / Fall Semester - Senior Year)

The Honors Inquiry Program (HIP) will offer highly motivated students the opportunity to delve deeply into a subject or passion of their choosing.

This program is a two-semester commitment starting with a semester course in the spring semester of junior year, during which students master the foundations needed to become critical thinkers and proficient researchers. In the course, students build their research skills, learn to ask provocative questions, and gain proficiency in the most up-to-date research practices, present a proposal and identify a faculty mentor for the continuation of their work during senior year.

The second part of the HIP is independent study in senior year. During this time, the student will meet weekly with a mentor as he or she works toward the completion of the project. Once a student has finished the work, he or she will present to the school community.

In addition to the academic enrichment that will come from the program, students who complete this academically rigorous course of study will earn a designation on their diploma as well as a graduation cord.

To join this prestigious program a student needs to be a rising junior with a minimum GPA requirement. Both semesters are required.

Units: 0.5 Junior year, 0.5 Senior year | Offered: Spring Junior year, Fall Senior year

AP Computer Science Principles; Web Development; or Programming, Games, Apps, and Society may substitute for fourth science unit. See Computer Science Section for information on these classes.



WORLD LANGUAGES

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. Students must complete at least two consecutive years of the same language in high school to meet the graduation requirement.

Spanish I | WL-S 100

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.

Units: 1 | Offered: Yearlong

Grade: 9, 10, 11, 12

Honors Spanish I | H WL-S 105

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.

Units: 1 | Offered: Yearlong

Grade: 9

Spanish II | WL-S 200

NCAA Approved | HOPE Rigor

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.

Units: 1 | Offered: Yearlong

Grade: 9, 10, 11, 12

Honors Spanish II | H WL-S 205

NCAA Approved | HOPE Rigor

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.

Units: 1 | Offered: Yearlong

Grade: 10, 11, 12

Honors Spanish III | H WL-S 305**NCAA Approved | HOPE Rigor**

Honors 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.

Units: 1 | Offered: Yearlong**Grade: 11, 12****Spanish IV as Dual Enrollment | DE WL-S 400****NCAA Approved | HOPE Rigor**

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 use of media, games, adapted readings and class discussions. Prerequisites: Completion of three years in Spanish and teacher recommendation.

Units: 1 | Offered: Yearlong**Grade: 12****Latin I | WL-L 100****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.

Units: 1 | Offered: Yearlong**Grades: 9, 10, 11, 12****Latin II | WL-L 200****NCAA Approved | HOPE Rigor**

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.

Units: 1 | Offered: Yearlong**Grade: 10, 11, 12****Honors Latin II | H WL-L 205****NCAA Approved | HOPE Rigor**

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.

Units: 1 | Offered: Yearlong**Grade: 10, 11, 12****Honors Latin III | H WL-L 305****NCAA Approved | HOPE Rigor**

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.

Units: 1 | Offered: Yearlong**Grade: 11, 12**

Honors Latin IV | HWL-L 405

In this course, students read from authentic Latin prose and poetry texts. Students are introduced to more complex syntactical and grammatical structures. Through the reading selections and class discussions, students learn about the literary and stylistic devices appropriate for either prose or poetry. The variety of authors in Advanced Latin may include Catullus, Cicero, Ovid, Horace, Plautus, and Vergil. Concentration is also focused on the philosophic, historic, and cultural aspects relevant to these selections. Students make connections between the ancient strands of mythology, history, literature, and art to those same classical allusions in the modern world.

Units: 1.0 | Offered: Yearlong

Grade: 12

French I | WL-F 100

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.

Units: 1 | Offered: Yearlong

Grade: 9, 10, 11, 12

Honors French II | H WL-F 205

NCAA Approved | HOPE Rigor

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.

Units: 1 | Offered: Yearlong

Grade: 9, 10, 11, 12

Honors French III | H WL-F 305

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 projects. 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.

Units: 1 | Offered: Yearlong

Grade: 10, 11, 12

Honors French IV | H WL-F 405

NCAA Approved

Students are able to engage in conversation and comprehend another person's dialogue without much repetition. Topics go well beyond basic needs and include personal and family affairs, current events, school, work, etc. Students can comprehend descriptions and narration referring to past, present, or future events. They can comprehend dialogue about special fields of interest and narratives of a non-technical or specialized nature. When listening to material restricted mainly to vocabulary and structures studied in class, their comprehension appears to be on a near native-like level. There is an increased comprehension of in-depth material about special interest topics used in class. Grammar control includes all but the infrequently used and the most complex forms and word order problems. Students work toward building a larger reading, speaking and listening vocabulary through use of materials representative of the French-speaking culture.

Units: 1 | Offered: Yearlong

Grade: 11, 12

American Sign Language I | WL-A 100**NCAA Approved**

This course prepares students to understand and use American Sign Language grammar, signs, finger spelling and non-manual markers at the basic level. Students receive an orientation to deaf culture and requires no previous knowledge of sign language.

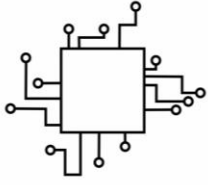
Units: 1 | Offered: Yearlong**Grade: 9, 10, 11, 12****Honors American Sign Language II | H WL-A 205****NCAA Approved | HOPE Rigor**

In the second year of ASL, students will continue to learn vocabulary with an introduction to idioms and phrases, more complex grammar with an emphasis on using classifiers, non-manual markers and sign space increasing their skills both expressively and receptively. Building on the basic cultural knowledge of the Deaf Community gained in ASL I, students will study the history of deafness in America with an emphasis on how Deaf people's lives have changed with the development of modern technology and its effect on the language.

Units: 1 | Offered: Yearlong**Grade: 9, 10, 11, 12****Honors American Sign Language III | H WL-A 305****NCAA Approved | HOPE Rigor**

American Sign Language III: In the third year of ASL students will continue to build vocabulary emphasizing the continuing development and reinforcement of expressive signing skills, receptive signing skills, and knowledge of Deaf culture. Vocabulary and structure (ASL grammar) are expanded. Culture is studied in depth periodically throughout the year. Careers involving the use of ASL will be explored, with an introduction to the field of interpreting.

Units: 1.0 | Offered: Yearlong**Grade: 10, 11, 12**



COMPUTER SCIENCE and DIGITAL MEDIA

AP® Computer Science Principles | AP COM 450

NCAA Approved | HOPE Rigor

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 4th science requirement. Prerequisites: Geometry and recommendation.

Units: 1 | Offered: Yearlong

Grade: 10, 11, 12

Robotics | COM 100

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 prototypes as they test, analyze, and improve designs. *Active involvement with competitions outside of school hours may be required.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Programming, Games, Apps, and Society | COM 200

This course is designed for students to strategize, design, & develop games and mobile/desktop applications that can be produced in the real world. Students will learn different programming languages such as JavaScript, Swift, and Python, as well as multiple programming platforms. This course will expose students to privacy, legality, and security considerations when designing and developing new apps and/or programs. Various forms of technologies will be used to expose students to resources, software, and applications of programming.

Units: 1 | Offered: Yearlong

Grade: 9, 10, 11, 12

Web Development | COM 300

This course will focus on design and development of web sites through coding, testing, debugging, and implementing web-based services. Students will learn Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and JavaScript to design multiple web pages. They will learn about search engine optimization (SEO), content management systems (CMS), client-side languages, server-side languages, and database concepts. Students will explore industry and government regulations through encryption, security, and e-commerce.

Units: 1 | Offered: Yearlong

Grade: 9, 10, 11, 12

Web Design | COM 150

This course will focus on the basic design and development of web sites through coding, testing, and debugging. Students will learn Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and some JavaScript to design multiple web pages. They will also learn about online website builders and how they work.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Sports Broadcasting | COM 450

This course trains students to produce live sports broadcasts and sports studio shows. Students work behind and in front of the camera, in production and on-air roles. Students do background research and conduct interviews to identify storylines. They prepare depth charts and memorize key information and statistics for on-air roles. They write scripts and create rundowns and graphics. They promote the broadcasts on various social media platforms. They research, report, shoot and edit videos. This course will require mandatory attendance to extracurricular events.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12



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 | ARTS 100

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.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Art II | ARTS 110

This course deepens drawing and painting skills 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.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Art III | ARTS 120

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.

Prerequisite: Teacher recommendation.

Units: 1 | Offered: Yearlong

Grade: 10, 11, 12

Honors Art | H ARTS 130

Honors Art is similar to that of Regular Art 3, but with increased expectations in terms of: development of technique, craftsmanship and intrinsic motivation. Because students in this class will be starting from a higher ability/motivation level, we will be able to move more quickly through the basic curriculum and work our way towards more sophisticated concepts and techniques. This class is a perfect springboard for students who would like to pursue AP Art.

Unit: 1 | Offered: Yearlong

Grade: 11, 12

Photography 1: Introduction to Digital Photography | ARTS 200

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.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Photography 2: Intermediate Digital Photography | ARTS 210

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.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Continued Investigative Photography | ARTS 330

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." Students will grow as they research artists from the past and present and study how their fellow artists work and create. Prerequisite: successful completion of Photography 1 and 2.

Units: 1 | Offered: Yearlong

Grade: 10, 11, 12

Sustainable Living | ARTS 300

Art, math, science and the humanities are all combined in this 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.

Units: 1 | Offered: Yearlong

Grade: 10, 11, 12

Sculpture and Set Design | ARTS 310

The Sculpture curriculum is an introduction to the design, creation, and presentation of 3-dimensional form in support of the performing arts. Students learn critical problem-solving skills, learn how to safely operate a laser engraving and cutting machine, 3-D printers, and basic shop equipment. The course progresses from introductory lessons with design software to a culminating project in which students design and build sculpture that will be put on display for the community and used in GWA productions.

Units: 1 | Offered: Yearlong

Grade: 10, 11, 12

Graphic Design Fundamentals | ARTS 400

In this course, you will learn about the history of graphic design and branding and visual communication in conjunction with project-based learning that will teach the fundamental building blocks of graphic design – typography, color and layout. Example projects include logo design, branding package design, and magazine

layout design. Students will become proficient in several Adobe programs including Photoshop, Illustrator, and InDesign.

Units: 1.0 | Offered: Yearlong

Grade: 9, 10, 11, 12

Lights, Camera, Action! Intro to Film Production | ARTS 430

In Lights, Camera, Action!, we will introduce students to an overview of film production from script to screen. In this course, students will learn basic theory and its application, gaining hands-on experience with digital film equipment. Attention is also given to production planning and post-production. The course will culminate in each student writing, directing and editing an original short film.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Publication Design | ARTS 410

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, copywriting, 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 number of advertisements, and to attend additional meetings when required by specific deadline dates.

Units: 1 | Offered: Yearlong

Grade: 9, 10, 11, 12

AP® 2D Art & Design | AP ARTS 450

AP® 3D Art & Design | AP ARTS 450

AP® Drawing | AP ARTS 450

The AP® studio art student should demonstrate a mastery of technical skill and an ability to creatively solve visual problems. Students can choose from 2D or 3D mediums or concentrate on Drawing. 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 to the AP® College Board. Portfolios are graded by a panel of college art professors and experienced high school teachers. Prerequisite: One full year of art, teacher recommendation, portfolio evaluation.

Units: 1 | Offered: Yearlong

Grade: 10, 11, 12



PERFORMING ARTS

Chorus | CHO 100

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.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Introduction to Drama | DRA 100

Introductory level course designed to begin to develop the student's understanding of theatre. This course includes history of theatre and basic theater terminology. Students will start to build their toolkit by sampling the different types of theatrical performance.

Units: 0.5 | Offered: Fall Semester

Grade: 9, 10, 11, 12

One - Act Competition Performance | DRA 150

This course is designed for students wanting to participate in the GHSA One Act Competition. Students must be available to attend competition dates. Prerequisite: DRA 100 or teacher approval.

Units: 0.5 | Offered: Fall Semester

Grade: 9, 10, 11, 12

Improv Comedy | DRA 200

This course builds on the concepts introduced in DRA 100 specifically in the world of improv comedy. Students will learn more about short-form and long-form improvisation and finish the semester with a showcase. Prerequisite: DRA 100 or teacher approval.

Units: 0.5 | Offered: Spring Semester

Grade: 9, 10, 11, 12

Dramatic Performance | DRA 250

This course builds on the concepts introduced in DRA 100. Students will broaden their knowledge and produce a production using the tools they learned in DRA 100. Prerequisite: DRA 100 or teacher approval.

Units: 0.5 | Offered: Spring Semester

Grade: 9, 10, 11, 12

Dance | DNC 100

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.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Advanced Dance | DNC 200

This course will cover intermediate/advanced dance technique in the styles of ballet/lyrical, modern/contemporary, jazz, hip hop and a variety of social dances. Also, students will explore improvisation, choreography, and dance history. The focus of this course will be on technique, performance and choreography. Students will perform in the two main stage dance performances as well as community events, competitions and music videos. Prerequisite: teacher invitation or audition.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Concert Ensemble | BND 100

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.

Units: 1 | Offered: Yearlong

Grade: 9, 10, 11, 12

Honors Percussion Theater | H BND 205

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.

Units: 1 | Offered: Yearlong

Grade: 9, 10, 11, 12

Honors Symphonic Winds | H BND 300

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.

Units: 1 | Offered: Yearlong

Grade: 9, 10, 11, 12

Beginner Piano | BND 110

This course is for students who have zero to very little piano and music experience. During this course, students will learn the basics of playing piano, music notation, and composing. We will explore a variety of music genres. Students will also have the opportunity to explore music technology and the basics of composition.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Advanced Piano | BND 120

Experience in piano is required for this course. During the year, students will build upon their current knowledge, playing more advanced music, duets, and trios. We will explore all genres of music, including jazz, classical, pop, and contemporary works.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Piano - I Just Want to Play Songs I Know | BND 130

During this class, students will have the chance to play songs that are familiar to them. This course gives students the opportunity to select some of their favorite songs to learn, both classical and non-classical. No piano experience is required for this course.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Guitar I | BND 200

This yearlong course is designed for students with little or no previous guitar experience. Students will receive guidance and direction in playing the guitar at a beginner's level and will learn many of the different styles, skills and techniques required to become a successful guitarist. Areas of concentration include correct posture, note reading, rhythmic patterns, chords study, musical forms, improvisation and performing experiences. Personal guitar is not required but is recommended for home practice.

Units: 1.0 | Offered: Semester

Grade: 9, 10, 11, 12

Guitar II | BND 210

This yearlong course is designed for students that have completed Guitar I at a satisfactory level or already proficient at playing the guitar. Students will receive guidance and direction in playing the guitar at an advanced level. Areas of concentration include advanced rhythmic patterns, playing lead guitar during solos, chord theory, advanced chord structure, improvisation and performing experiences.

Units: 1.0 | Offered: Yearlong

Grade: 10, 11, 12



EXERCISE SCIENCE and ATHLETIC PERFORMANCE

Weight Training PHY 300 | GIRLS - PHY G300

An intermediate course that focuses on proper lifting techniques and cardiovascular endurance strategies for lifelong health. This course is offered as both a coed and a girls-only class.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

Advanced Weight Training | PHY 350 | GIRLS - PHY G350

This class reinforces the proper guidelines, principles and techniques of weightlifting, and the development of muscular strength, endurance and power at an advanced level. Students will also be introduced to Olympic lifting techniques (boys only) and continue to develop their individual weight training programs with advanced evaluation techniques. This course is offered as both a coed and a girls-only class.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12



HEALTH & WELLNESS

Health | HTH 100

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

Grade: 9, 10, 11, 12

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 lifetime of enjoying sports. Performance in this class is graded on a pass/fail basis.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

GIRLS | PHY 100

BOYS | PHY 100

Science of Happiness | PHY 500

In this course, students will engage in a series of challenges designed to increase their own happiness and build more productive habits. Students will explore popular fallacies about happiness, delve into the neuroscience of how external circumstances lead us to think the way we do, and the research that can help us change.

Ultimately, students will be prepared to successfully incorporate a specific wellness activity into their life.

Units: 0.5 | Offered: Semester

Grade: 9, 10, 11, 12

ADDITIONAL ELECTIVES

Intra-ship: Marketing and Social Media | INT 100

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. Prerequisites: application and interview.

Units: 1 | Offered: Yearlong

Grades: 11, 12

Intra-ship: Science Lab | INT 200

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. Prerequisites: application and interview.

Units: 1 | Offered: Yearlong

Grades: 11, 12

Intra-ship: Library | INT 300

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 resshelf 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. Prerequisites: application and interview.

Units: 1 | Offered: Yearlong

Grades: 11, 12

Intra-ship: HUB/Student Technology Leadership | INT 400

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 help desk 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. Prerequisites: application and interview.

Units: 1 | Offered: Yearlong

Grade: 11, 12

Intra-ship: Peer Tutoring | INT 500

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. Prerequisites: application and interview.

Units: 1 | Offered: Yearlong

Grade: 11, 12

Students are limited to one intra-ship in their upper-school careers.