

2021-2022

Freshman Registration Booklet

Walton High School

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<https://www.waltonhigh.org>

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Table of Contents

Academic Program Information.....	3
9 th Grade Course Offerings.....	8
9 th Grade Course Descriptions.....	10
Business Course Descriptions.....	10
English Course Descriptions.....	10
International Spanish Academy Course Descriptions.....	12
Mathematics Course Descriptions.....	13
Fine Arts Course Descriptions.....	16
Physical Education Course Descriptions.....	18
Science Course Descriptions.....	19
Social Studies Course Descriptions.....	21
Technology Education Course Descriptions.....	22
World Language Course Descriptions.....	23
STEM Course Flowchart.....	25
Summer Reading Assignments.....	26
Post-Secondary Planning.....	27

Academic Program

Walton High School operates on a two-semester system with each semester being approximately 18 weeks long. Credit is established in units; each course meets every day for approximately 50 minutes and carries one-half unit credit upon successful completion. It is possible to earn three units of credit per semester, or a total of six units per year if all classes are successfully completed. During the 4 years (8 semesters) of high school, students may earn a total of 24 units of credit. Students may earn additional credit by taking a paid morning tuition class (1 per semester). Classes are offered based on minimum enrollment to support the program. Walton will accept one additional credit per semester from tuition-based Cobb Virtual Academy and Georgia Virtual School. Ninth grade students can only take 7 courses in any combination of zero period or online to earn 3.5 units of credit per semester. While online classes are completely independent of Walton High School and all academic responsibility is between the family and that school, students must receive permission from Walton High School in order to take the course.

The variety of course offerings in each department will give students the necessary prerequisites for future activities, whether they include college, technical school or work. Some courses have prerequisites. A prerequisite is a course that must be taken before another course. Some courses are sequential and must be taken in order. World Language and Mathematics are courses that are sequential in nature. Students should begin thinking and planning for future goals early in high school in order to be well prepared upon graduation. Students in the Class of 2015 and beyond must pass the course in which a Georgia Milestones End of Course Assessment is given and comprises 20% of the overall grade, as well as all necessary courses for graduation.

Advisement Program

The focus and intent of advisement is to create a communication bond between the school, student and parents. It is an organized method for developing, with the input of three parties, an academic plan for students. Ninth grade students will receive advisement during spring semester to complete a four-year academic plan. Eleventh grade students will receive advisement in the fall to assess progress toward graduation and post-secondary goals. Scheduled meeting times for students and parents will be planned during the regular school day.

Athletic Eligibility

The Georgia High School Athletic Association requires the following accumulation of Carnegie units toward graduation according to the following criteria:

1. First-year students are eligible first semester. They must earn 2.5 units at the end of first semester in order to be eligible for the spring semester.
2. Second-year students must have accumulated 5 total units in the first year and have earned 2.5 units the previous semester.
3. Third-year students must have accumulated 11 total units in both years and have earned 2.5 units the previous semester.
4. Fourth-year students must have accumulated 17 total units in all three years and have earned 2.5 units the previous semester.

Grades/Grading Scale

The Cobb County School District has set the following grading scale:

A = 90-100 B = 80-89 C = 74-79 D = 70-73 F = Below 70

A student's grade point average is based on quality points awarded for each grade earned. All regular courses earn the following:

A = 4 quality points B = 3 quality points C = 2 quality points D = 1 quality point F = 0 quality points

Honors courses receive an extra 0.5 quality point. Honors courses are designated in the course section of the booklet with two asterisks (**). Advanced Placement courses are awarded an extra 1 quality point. These courses are designated with three asterisks (***). No extra quality points are earned if the student fails the course. Students are recommended by their current teacher for Honors and Advanced Placement courses based on the student's performance in the current course. Course placement is based on criteria set by each department.

Graduation Requirements

The State Board of Education has one common set of high school graduation requirements. Fulfillment of these graduation requirements will earn a student a high school diploma. Georgia's Board of Regents establishes the admissions requirements for Georgia's colleges and universities. Students should check the admission requirements of the college they wish to attend. Students must pass the course in which a Georgia Milestone End of Course Exam is given which comprises 20% of the overall course grade. Each student is encouraged to complete either an Academic, Fine Arts, CTAE or World Languages pathway.

Subject	Required Credits	Diploma Requirement
English	4	Must include 9 th Lit and American Lit
Mathematics	4	Must include Algebra 1, Geometry and Algebra 2
Science	4	Must include Physical Science/Physics; Biology; Chemistry or Environmental Science or an AP Science; and 1 additional unit of science.
Social Studies	3	Must include World History, United States History, American Government and Economics
Health and PE	1	Health and personal fitness (0.5 credit each)
Required Electives	3	From Career Tech, World Language and/or Fine Arts
Additional Electives	4	
Total	23	Minimum required credits

Pathway Completion

Starting with the class of 2017, each student is encouraged to complete either an Advanced Academic, Fine Arts, CTAE or World Languages pathway.

Advanced Academic Pathways: An Advanced Academic Pathway may be followed in any of the following content areas: English, mathematics, science or social studies. Students complete an Advanced Academic Pathway when they have completed the required courses for graduation and one of the courses listed in the student's course history is either AP, IB, or dual enrollment. Additionally, students must earn credits in two sequential courses in one world language.

Fine Arts Pathway: Students complete a Fine Arts pathway when they have completed three courses in either Visual Arts, Band, Chorus, Orchestra, or Journalism/Yearbook.

World Language Pathway: Students complete a World Language Pathway when they have completed three courses in the same World Language.

CTAE Pathway: Students earn a CTAE Pathway when they complete a series of three or four specific courses in a CTAE-approved pathway. Walton High School offers complete pathways in the following areas: Financial Marketing Services Career Pathway, Computing Career Pathway, Therapeutic Services-Physical Medicine Career, Graphic Design Career Pathway, Broadcast/Video Production Career Pathway, and Engineering and Technology Concentration Pathway. Students may complete the JROTC Air Force Career Pathway by taking courses at Wheeler High School. Those interested in this pathway can contact the school counseling department.

School Counseling

School counselors are available to meet with students regarding academic, personal/social or career development needs. Students should make appointments to see a school counselor either before school, after school or during their lunch periods. To see a counselor during a class period, students should request permission from their teacher and obtain a hall pass.

Honor Roll

Students who earn a semester GPA of 3.5 or higher and have no grades lower than a 74 will be placed on the Honor Roll. Students who earn a semester GPA of 4.0 or higher and have no grades lower than an 80 will be placed on the Principals' Honor Roll. All students with a 4.0 or greater in a semester will receive a coffee punch card good for 4 free drinks from Raider Joe's. Students who earn a 4.0 or higher for an entire academic school year will be awarded an Academic Letter. Students who do so in a subsequent year will be awarded an Academic Bar.

Promotion Requirements

Per Cobb County School Board Policy, IKE, students shall be on track to advance with the graduating class they enter as a ninth grader. The following minimum requirements must be met in order to advance to the next grade level.

10th grade: 5 units, including one full credit in English, math and science

11th grade: 10 units, including two full credits in English, math and science

12th grade: 16 units, including three full units of English, math and science

Transcripts

TRANSCRIPT REQUEST- A student who wants a copy of her/his transcript sent to a college must sign a request for a transcript to be released. This request form is kept on file in the RECORDS ROOM located in the school counseling office. Transcripts are released for a charge of \$2.00 each. Payments can be made with exact change, a check or on MPP.

DUAL ENROLLMENT TRANSCRIPT REQUEST- A student who wants a copy of her/his transcript sent to a college must sign a request for a transcript to be released. This request form is kept on file in the RECORDS ROOM located in the school counseling office. Transcripts are released for a charge of \$2.00 each. Payments can be made with exact change, a check or on MPP-(see appropriate drop down in MPP).

Course Selection Specifics

We try to make the registration process as smooth as possible at Walton High School. One way we do this is by building the master schedule for both teachers and students only after we have received all student requests for courses during registration. The master schedule, therefore, is determined by the student registration and provides the maximum accommodation for the courses desired by Walton students, with a minimum of schedule conflicts.

Since the master schedule is based entirely upon initial student registration, it is essential that students remain in the course for which they have registered, unless it is determined that the academic placement is inappropriate. Students register for the entire next school year at one time during the March registration period; however, during the fall semester, students will have an opportunity to drop/add one semester elective courses for the upcoming spring semester. Year-long courses may not be dropped at the end of first semester.

The following information should be helpful in having a successful registration.

1. For all CORE classes (English, Math, Science, Social Studies and World Language), the current teacher will make recommendations for the level of curriculum the student should take next year. While each teacher will make a recommendation based on the specific core area, it is important to consider the overall course load. If the student and/or parent disagrees with the teacher's recommendation, or has concerns about the academic rigor, a waiver may be completed to request a different placement.
PLEASE NOTE:
 - Waivers are binding for one complete semester. Once the waiver has been submitted and approved, the class cannot be changed again during that semester.
 - Waivers are due to the school by May 1st for fall semester and November 15th for spring semester and will not be accepted after that date unless the teacher recommendation has changed.
 - Waivers may be obtained online through the Walton website.
2. For elective classes, students will complete registration using an online form accessible through their CTLS homeroom.
3. Registration for a year-long course (classes with an A and B semester) in an academic area, regardless if a core credit or an elective, may **not** be dropped at the end of first semester. Additionally, the course must be completed at Walton High School.
4. We do not honor teacher-preference requests during scheduling. All 2600+ students have preferences and it would be impossible to honor the requests of all students.
5. Seniors may not request Minimum Day once the semester has started. Seniors must request minimum day either during registration or during the drop/add time for second semester. All minimum day forms for fall must be turned in by May 1st of the junior year. Students registered for minimum day

normally leave the last period of the day. If a student's lunch period can be scheduled for the period prior to the last period, the student may be allowed to leave school two periods early, with parent permission. However, students should not assume they can leave school two periods early because scheduling may not permit all minimum day students this option. **THERE IS NO GUARANTEE THAT A STUDENT WILL HAVE 6TH PERIOD LUNCH.** Students taking an online course other than Health and Personal Fitness are **NOT** eligible for minimum day.

6. Morning tuition school will be available if there is enough student interest. If you would like to take seven classes rather than six, please email Anilda Cook at Anilda.cook@cobbk12.org for registration information. The fee for the extra course is \$300 per semester. Cash or check (payable to Walton High School) must accompany your registration and should be brought in person to the counseling suite. Students will be placed in any zero period course that his or her schedule allows.
7. Registering for zero period, Dual Enrollment or teacher apprenticeship does not guarantee a parking space on campus.
8. **CHOOSE YOUR COURSES CAREFULLY.** There are course descriptions for each course in this planning guide. In addition, there is an online Advanced Placement Booklet on the Walton website that will give more detailed information regarding the requirements and demands of specific AP classes. **It is not possible for students to “try out” a course to determine if it is a correct fit.** After the 10th day of the semester, any course dropped will receive a grade of “F” with an average of “10” as the grade on the official transcript per Cobb County School District policy.
9. AP courses taken at Walton High School or through an approved online provider will be given credit, an AP designation and receive the extra 1.0 extra quality point added to the GPA **ONLY if the AP exam is taken.**
10. Course selections are changed for the following reasons only:
 - If you failed or have not had the prerequisite for the particular course
 - If you are a senior and need a specific course to graduate
 - If you have previously received credit for the course.

Included in the list of course offerings is the grade level and course prerequisites. The following notations are used to denote additional weighting for grades earned in Honors and Advanced Placement courses:

- **denotes course which receives an additional 0.5 quality point
- ***denotes course which receives an additional 1.0 quality point

Georgia Milestones EOC “Test-Out” Option

Students will have the option of testing out of a high school course by scoring at the “Exceeds” level on the state End of Course Assessment (Georgia Milestones EOC) in any of the following courses: GSE Algebra 1, US History, Biology, and American Literature. A student will earn on-level credit if the test out is successful. Neither quality points nor honors level distinction will be available for course credit earned through testing out. Students who score at the “Exceeds” level will have the course and the Georgia Milestones EOC grade recorded on the transcript. The Georgia Milestones EOC grade **will not** be calculated into the student's local high school GPA; however, it **will** be counted in the calculation of HOPE GPA for the HOPE scholarship. The University System of Georgia and the Technical College System of Georgia **will** consider credits earned through testing out. Colleges and universities outside the state of Georgia **may or may not** accept the credits. Students seeking NCAA eligibility should not utilize the test-out options. The NCAA **will not** recognize the credits earned through testing out. Students will pay \$50 to register for the test which will be refunded if the “Exceeds” level is met. This optional testing will take place in March of each school year. It is important to remember that these are minimum competency state test and do not indicate that students have all the necessary skills to be successful in the subsequent course.

Course Offerings

Course Title	Grade Level	Prerequisite
Career Education		
Intro Business & Technology A & B	9-12	
English		
Ninth Lit/Comp A&B Honors **	9	Teacher rec
ISA Ninth Lit/Comp A & B Honors **	9	Admission to ISA
Ninth Lit/Comp A & B	9	
Ninth Lit/Comp A & B ELL	9	Identified ELL & teacher rec
Journalism/Yearbook A & B	9-12	Not an English credit
Fine Arts		
Visual Arts: Comprehensive	9-12	
Visual Arts: Drawing I	9-12	Visual Arts: Comprehensive
9th Treble Choir	9-12	Audition
9 th Tenor Bass Ensemble	9-12	Audition
Concert Band II	9-12	Audition
Concert Band I	9-12	Audition
Symphonic Band	9-12	Audition
Wind Symphony	9-12	Audition
Percussion	9-12	Audition
Dorian Orchestra	9-12	Audition
Aeolian Orchestra	9-12	Audition
Ionian Orchestra	9-12	Audition
Locrian Orchestra	9-12	Audition
Sinfonia	9-12	Audition
Philharmonia	9-12	Audition
Chamber Orchestra	9-12	Audition
Technical Theater	9-12	
Acting I	9-12	
Mathematics		
GSE Algebra 1 A & B	9	Math 8 & teacher rec
GSE Alg 1 Support A & B	9	Teacher rec (elective credit only)
GSE Algebra 1 93 A & B	9	Math 8 & teacher rec – core math credit unit taken together spring semester
Foundations of Algebra 93 A & B	9	Math 8 & teacher rec – core math credit unit taken together fall semester
GSE Honors Algebra 1 A & B**	9	Adv. Math 8 & teacher rec
GSE Geometry A & B	9-10	GSE Algebra 1 & teacher rec
GSE Honors Geometry A & B**	9-10	GSE Hon Alg 1 or GSE Alg 1 & teacher rec
GSE Accelerated Geometry/Algebra 2**	9-10	GSE Acc Alg 1/Geometry & teacher rec
STEM GSE Acc Geom/Algebra 2**	9	Admission to AMS STEM Academy

Physical Education

Personal Fitness	9-12	
Health	9-12	
Intro to Team Sports A & B	9-12	
Intro to Lifetime Sports A & B	9-12	
Weight Training A & B	9	
9 th Football Weights	9	WHS Football Player

Science

Honors Physics 1 A & B**	9	Concurrent w/ GSE Hon Alg 1 or Acc & teacher rec
Physics 1 A & B	9-10	Concurrent w/ GSE Alg 1 or GSE Alg 1 w/ support
Physics 1 93 A & B	9-10	Teacher rec
Honors Biology A & B**	9-12	Concurrent w/ Hon Alg I or higher math & Teacher rec
STEM Honors Biology A & B**	9	Admission to STEM BMS Academy
STEM Honors Biology A & B**	9	Admission to STEM ENG Academy
STEM Principles of Biomed Sci A & B**	9	Admission to STEM BMS Academy
STEM AP Env. Science A & B***	9	Admission to STEM AMS Academy

Social Studies

World Geography A & B	9	
AP Human Geography A & B***	9	Teacher rec

Technology Education

Intro to Graphic Arts 1A	9-12	
Intro to Graphic Arts 1B	9-12	Intro to Graphic Arts 1A
Hon Intro to Engineering Design A&B**	9-12	Concurrent with GSE Algebra 1
STEM Hon Engineering Design A&B**	9	Admission to STEM ENG Academy
Broadcast/Video Productions 1A	9-12	
Broadcast/Video Productions 1B	9-12	Broadcast/Video Productions 1A
Intro to Healthcare Science A & B	9-12	

World Language

French I A & B	9-12	
French II A & B	9-12	French I A & B
Spanish I A & B	9-12	
Spanish II A & B	9-12	Spanish I A & B
ISA Spanish II A & B	9	Admission to ISA
Latin I A & B	9-12	
Latin II A & B	9-12	Latin I A & B
Chinese I A & B	9-12	
Chinese II A & B	9-12	Chinese I A & B

Other Courses

JROTC 1	9-12	At Wheeler HS; see counselor for details
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Business Classes

Intro to Business & Tech A& B

For Grades 9 – 12

This course is the first in the Financial Management Services Career Pathway. This course provides an overview of business and technology skills required for today's business environment. Students will learn essentials for working in a business environment, managing a business and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society.

English

All students must earn 4 units of English to satisfy graduation requirements. Each course is designed for increasing complexity so that students will build on their learning each year. All GSE standards are incorporated in the rigorous curriculum developed at Walton High School. The comprehensive Sadlier vocabulary series is utilized to prepare students for the PSAT and SAT. All students are required to complete summer readings and assignments.

Ninth Literature/Composition A & B Honors**

For Grade 9

Prerequisites: Teacher recommendation

This honors-level class prepares able and ambitious readers and writers for AP and/or honors level English courses. Designed to emphasize critical thinking and analytical writing skills, the course includes the study of literature from various genres, writing assignments such as literary analyses, personal narratives, and persuasive essays, as well as advanced vocabulary and grammar. Additionally, students are required to read a minimum of 7 parallel and/or teacher-directed longer pieces of literary merit over the course of the year (including summer reading).

Ninth Literature/Composition A & B

For Grade 9

This college preparatory level course readies students for challenging English courses throughout high school and emphasizes critical thinking skills. Students are expected to read literature from various genres, to write assignments such as literary analyses, personal narratives, and persuasive essays, as well as to complete college preparatory vocabulary and grammar. Additionally, students must read a minimum of 6 parallel and teacher-directed longer pieces of literary merit over the course of a year (including summer reading).

Ninth Literature/Composition ELL A & B

For Grade 9

Prerequisites: Identified ELL

This course contains the same curricular objectives as Ninth Lit/Comp. Adaptation in presentation is made to accommodate the needs of ELL students. This course is designed for the college-bound student.

Journalism/Yearbook

For grades 9-12

This is a yearlong class designed for college bound students interested in learning the principles of design, writing and photography necessary to produce the yearbook. Students enrolled in the class are expected to work independently and meet deadlines throughout the year. The class requires outside time for completion of spreads as well as pictures of events that occur throughout the year. This course is an academic elective and does not satisfy English requirements for graduation.

	9th	10th	11th	12th
Honors/AP	9 th Lit/Comp Honors *80 or below = possibility of moving to on-level 10th World Lit	AP Language/Comp (see below) 10 th World Lit/Comp Honors *C or lower = move to on level Am Lit	American Lit/Comp (LA) Honors *C or lower = move to on level Eng. Lit *AP Language/American Lit (see below) OR American Lit/Comp Honors	AP English Lit/Comp
Honors	9 th Lit/Comp Honors *80 or below = possibility of moving to on-level 10th World Lit	10 th World Lit/Comp Honors *C or lower = move to on level Am Lit	American Lit/Comp Honors	
On-Level	9 th Lit/Comp A = possibility of moving to Honors World Lit/Comp	10 th World Lit/Comp	American Lit/Comp	British Lit/Comp Or Dramatic Writing
Small Group (IEP placement)	9 th Lit/Comp (SC)	World Lit/Comp (SC)	American Lit/Comp (SC)	British Lit/Comp (SC)
4 Units of English Required. Must include: *1 unit of 9th Lit/Comp And *1 unit of American Lit/Comp or AP Lang/Amer. Lit		NOTES: *Students in Honors 9 th Lit/Comp have the possibility of taking AP Language in 10 th grade OR 11 th grade depending on their English grades. Students cannot take AP Language in both 10th and 11th grades. *For each English class, there are a minimum of three parallel readings each semester. *The research paper is written during the 2 nd semester of honors World Lit and all American Literature classes as well as 1 st semester of all British Literature classes and Dramatic Writing. A research paper is also a component of AP English Language and Composition and AP English Literature and Composition.		

International Spanish Academy

The International Spanish Academy is a rigorous program of study for students who are learning Spanish as a foreign language. Students must apply in the spring of the 8th grade year. Those accepted will take 4 years of Spanish as well as 4 honors or AP level content area courses that include a delivery component in Spanish.

ISA Spanish II A&B: Culture, Comparisons & Communication

For grade 9

Prerequisite: Admission to ISA, Spanish I & concurrent enrollment in 9th Lit Honors and AP Human Geography

The International Spanish Academy Level II course focuses on the rapid development of communicative competence in the target language and understanding and comparing the cultures of the Spanish speaking world. The major means of communication between the students and instructors will be in Spanish. The philosophy of the ISA program is that the students will use the language to learn it instead of learning the language to use it.

ISA Ninth Literature/Composition A&B Honors**

For grade 9

Prerequisites: Admission to ISA program & Spanish I credit

This honors-level course prepares able and ambitious readers and writers for AP and honors English classes throughout high school. Designed to emphasize critical thinking and analytical writing skills, the course covers literature from various genres, writing assignments such as literary analyses, personal narrative, and persuasive essays. Additionally, students study advanced vocabulary and grammar and read a minimum of 10 parallel and teacher directed longer pieces of literary merit over the course of the school year (including summer readings). This class includes a Spanish language component and collaborates with the Spanish II International Spanish Academy class. Students will take the state Georgia Milestone EOC exam at the end of the course.

9 th	10 th	11 th	12 th
ISA Spanish II A&B Culture, Comparisons and Communication	ISA Spanish III Advanced A&B; The Humanities/Art and History	ISA AP Spanish Language A&B	ISA AP Spanish Literature A&B
ISA Honors Ninth Grade Literature/Composition A&B	ISA AP Government (spring sem) & ISA Honors World Literature Honors A&B	ISA AP US History A&B	ISA AP English Literature A&B
	ISA Honors World Lit A & B		

Mathematics

Four units of mathematics study is required for graduation. A graphing calculator (TI-84 or higher) is required for ALL math classes. There are a limited number of calculators available for student check out, but it will be advantageous to purchase for student use.

GSE Algebra I A & B

For grade 9

Prerequisite: Math 8 & teacher recommendation

This is the first course in a sequence of courses designed to provide students with a rigorous program of study in mathematics. It includes polynomial and rational expressions, basic functions and their graphs, simple equations, quadratic, linear and exponential functions, sample statistics, and curve fitting. It requires students to:

- Explore functions;
- Solve equations and operate with radical, polynomial and rational expressions;
- Investigate piecewise and quadratic functions, using numerical, analytical, and graphical approaches, focusing on the use of these functions in problem-solving situations;
- Use counting techniques and determine probability;
- Demonstrate understanding of data analysis by posing questions to be answered by collecting data; and
- Organize, represent, investigate, interpret, and make inferences from data. They will use regression to analyze data and to make inferences.

Students will take the state Georgia Milestones EOC at the end of the course.

Foundations of Algebra 93 A&B

For grade 9

Prerequisite: Math 8 & teacher recommendation

Foundations of Algebra is a first-year high school mathematics course option for students who have completed mathematics in grades 6-8 yet will need substantial support to bolster success in high school mathematics. The course is aimed at students who have reported low standardized test performance in prior grades and/or have demonstrated significant difficulties in previous mathematics classes.

Foundations of Algebra will provide many opportunities to revisit and expand the understanding of foundational algebra concepts, will employ diagnostic means to offer focused interventions, and will incorporate varied instructional strategies to prepare students for required high school mathematics courses. The course will emphasize both algebra and numeracy in a variety of context including number sense, proportional reasoning, quantitative reasoning with functions and solving equations and inequalities. This is a core mathematics course and does fulfill a mathematics requirement for graduation.

GSE Algebra I 93 A&B

For grade 9

Prerequisite: Math 8 & teacher recommendation

This course includes the same topics of study included in GSE Algebra but places more emphasis on basic fundamental processes and practice. This course will place more emphasis on basic problem solving and mathematical concepts. Students will take the state Georgia Milestones EOC at the end of the course.

GSE Alg I Support A & B

For grade 9

Prerequisite: concurrent enrollment in GSE Algebra I A&B & teacher recommendation

The purpose of the Math Support class is to address the needs of students who have traditionally struggled in mathematics by providing the additional time and attention they need in order to successfully complete their regular grade-level mathematics course. Mathematics Support is an elective class that will be taught concurrently with a student's regular GSE Alg I course. This course is an academic elective credit only and does not fulfill the mathematics requirements for graduation.

GSE Honors Algebra I A&B****For grade 9****Prerequisite: Advanced Math 8 & teacher recommendation**

This course includes the same topics of study included in GSE Algebra but places more emphasis on formal processes and rigor. This course will place more emphasis on critical thinking and analysis of mathematical concepts. Students will take the state Georgia Milestones EOC at the end of the course.

GSE Geometry A&B**For grade 9-10****Prerequisite: GSE Algebra I & teacher recommendation**

This is the second in a sequence of courses designed to provide students with a rigorous program of study in mathematics. It includes fundamentals of proof, properties of polygons, right triangles, right triangle trigonometry, properties of circles, probability and quadratic functions. It requires students to:

- Prove geometric theorems
- Make geometric constructions
- Understand similarity and congruence
- Apply trigonometric ratios to right triangles
- Investigate circles including chords, arc length and area of sector
- Understand independence and conditional probability

GSE Honors Geometry A&B****For grade 9-10****Prerequisite: GSE Honors Alg 1 or GSE Alg 1 & Teacher recommendation**

This course includes the same topics of study included in GSE Analytic Geometry but places more emphasis on formal processes and rigor. This course will place more emphasis on critical thinking and analysis of mathematical concepts.

GSE Accelerated Geometry/Algebra II A&B****For grades 9-10****Prerequisite: GSE Accelerated Alg/Geom & Teacher recommendation**

This is the second in the sequence of courses designed to ensure that students are prepared to take higher-level mathematics courses during their high school career, including AP Calculus AB, AP Calculus BC, and AP Statistics. It requires students to:

- Work with rational, irrational and complex numbers
- Expand knowledge of functions to include polynomial, rational and radical
- Develop quadratic expressions, equations and functions
- Compare quadratics to linear and exponential relationships and functions
- Create mathematical models and solve contextual problems
- Students will complete a summer packet which is due the first day of school.

9th	10th	11th	12th
Accel GSE Geo/Alg 2	GSE Accel PreCalc BC	AP Calculus BC	Multivariable Calculus
	GSE Accel PreCalc AB	AP Calculus AB	AP Calculus BC
GSE Honors Geometry	GSE Honors Algebra 2	GSE Accel PreCalculus AB	AP Calculus AB
GSE Geometry	GSE Algebra 2	GSE PreCalculus	AP Calculus AB OR AP Statistics
GSE Honors Algebra 1	GSE Honors Geometry & GSE Honors Algebra 2	GSE Accel PreCalculus AB	AP Calculus AB
	GSE Honors Geometry	GSE Honors Algebra 2	GSE Accel PreCalculus AB
GSE Algebra 1	GSE Geometry	GSE Algebra 2	GSE PreCalculus
GSE Algebra 1 & Algebra 1 Support	GSE Geometry & Geometry Support	GSE Algebra 2 & Algebra 2 Support	GSE PreCalculus OR 4 th year option
Foundations of Algebra (fall) & GSE Algebra 1 93 (spring)	GSE Geometry 93 & Geometry 93 Support	GSE Algebra 2 & Algebra 2 Support	GSE PreCalculus OR 4 th year option
Foundations of Algebra (SG) & GSE Algebra 1 (SG)	GSE Geometry (SG) & Geometry Support (SG)	GSE Algebra 2 (SG) & Algebra 2 Support (SG)	Advanced Math Decision Making (SG)
	AP Statistics can be taken any time after successful completion of GSE Accel Geo/Alg 2 or GSE Honors Geometry as an elective		

Fine Arts

Our Fine Arts department includes visual and performance groups. Students must audition in order to register for a performance group. For the class of 2012 and beyond, a total of three units is required from Career Technical Education, Modern Language, Latin and/or Fine Arts.

The Fine Arts department offers typical freshman level classes in band and orchestra. In orchestra and band, students may audition into an upperclassmen level orchestra/band. If accepted, students are expected to behave and perform as a junior or senior at Walton. This includes audition preparation, attendance, attitude, etc.

Visual Arts Comprehensive

For grades 9-12

This one semester class is open to any student with an interest in art and serves as the first semester in the **Visual Arts Pathway**. Introduces art history, criticism, aesthetic judgment, and studio production. Emphasizes the ability to understand and use elements and principles of design through a variety of media, processes, and visual resources, which may include pencil, charcoal, pastels, clay, and related media. Explores master artworks for historical and cultural significance.

Visual Arts: Drawing I

For grades 9-12

Prerequisite: Visual Arts Comprehensive

This one-semester course, which is the second semester in the **Visual Arts Pathway**, explores a variety of drawing techniques and media with an emphasis on developing drawing skills. Examines solutions to drawing problems through student drawings and those of other artists. Develops critical analysis skills for responding to master drawings. Covers western and non-western cultures. Homework is required.

9th Grade Tenor/Bass Ensemble

For grade 9-12

Prerequisite: Audition

This is an intermediate chorus is for students with tenor or bass voices in ninth grade, new to Walton chorus, or upperclassmen needing additional intermediate level instruction and serves as one full credit in the Fine Arts Pathway. To be successful in the class, students must be able to: phonate a voiced sound; match and maintain pitch; demonstrate standing and sitting posture appropriate for choral singing; be able to learn to read music and follow the director. According to county requirements, students in this choir are evaluated in the spring at the Georgia Music Educators Association Large Group Performance Evaluations. Singing with an appropriate choral tone, with correct pitch, rhythm, diction, blend, choral posture, following director and reading music are part of this evaluation. Chorus is a co-curricular class and students have the opportunity to earn a letter in Chorus. 9th Grade Tenor/Bass Ensemble perform three concerts a year and at the homecoming pep rally. These performances are extensions of chorus class and attendance is expected. Students will need to purchase concert attire and parents are encouraged to be active members of the Chorus Booster Club. There is a participation fee to defray costs of music and instructional expenses. 9th Grade Tenor/Bass Ensemble is a year-long course.

9th Grade Treble Choir

For grade 9-12

Prerequisite: Audition

This is an intermediate chorus is for students with treble voices (soprano, alto) in ninth grade, new to Walton chorus, or upperclassmen needing additional intermediate level instruction and serves as one full credit in the Fine Arts Pathway. To be successful in the class, students must be able to: phonate a voiced sound; match and maintain pitch; demonstrate standing and sitting posture appropriate for choral singing; be able to learn to read music and follow the director. According to county requirements, students in this choir are evaluated in the spring at the Georgia Music Educators Association Large Group Performance Evaluations. Singing with an appropriate choral tone, with correct pitch, rhythm, diction, blend, choral posture, following director and reading music are part of this evaluation. Chorus is a co-curricular class and students have the opportunity to earn a letter in Chorus. 9th Grade Treble Choir perform three concerts a year and at the homecoming pep rally. These performances are extensions of chorus class and attendance is expected. Students will need to purchase concert attire and parents are encouraged to be active members of the Chorus Booster Club. There is a participation fee to defray costs of music and instructional expenses. 9th Grade Treble Choir is a year-long course.

Concert Bands**For grades 9-12****Prerequisite: Audition**

Concert Band provides opportunities to develop performance skills on a wind or percussion instrument. This course is the first year in the Fine Arts Pathway. This class emphasizes performances and production, stresses individual progress within group experiences, and may include analysis, historical and cultural influences, improvisation, and appreciation of music. Students have organized objectives for self-paced progress. Rising freshmen students who do not elect to take the spring audition at the end of their 8th grade year will be placed in one of the Concert Band classes. Participation in concert performances outside of regular class hours is expected. Concert Band 1 is a year-long course that performs GMEA level II and III music. Concert Band 2 is a year-long course that performs GMEA Level III and IV music. There is a participation fee to defray costs of music, uniforms, and instructional expenses.

Percussion**For grades 9-12****Prerequisite: Audition**

In Advanced Instrumental Ensemble students are selected by director's recommendation. Offers advanced-level performers an alternative ensemble experience to large band and orchestra. Emphasizes the performance style and literature of the instrumental chamber group medium. Includes percussion ensemble and techniques. Covers performance and production, analysis and theoretical studies, creative aspects of music, historical and cultural influences, and music appreciation. Participation in rehearsals and concert performances outside of regular class hours is expected. Percussion is a year-long course.

Freshmen Level Orchestras**For grade 9****Prerequisite: Audition/Completion of the Intermediate Orchestra Class in Middle School**

Freshmen level orchestras are intermediate string ensembles for freshmen who play violin, viola, cello, or double bass. This course is the first year in the Fine Arts Pathway. The techniques of string playing are taught within the context of musical performance (GMEA Level III or IV difficulty). Rehearsals are held during the curricular school day, with an occasional afternoon rehearsal before concerts. Freshmen orchestras perform four concerts each year include Georgia Music Educators Association Large Group Performance Evaluation. These performances are extensions of class and attendance is expected. Orchestra is a co-curricular class and students have the opportunity to earn a letter in orchestra. Freshmen orchestras are year-long courses. Please note that orchestra instruments are not provided by the school and that purchasing a uniform is required. There is a participation fee to defray costs of music and instructional expenses. Freshmen Orchestras are year-long courses.

Technical Theater**For grades 9-12**

This class introduces technical considerations of play production; covers set construction, scene painting, lighting and settings, make-up and costumes. The students will learn the basic principles of stage design and construction. The class serves as the prerequisite course for other technical courses. This class utilizes and trains students on new technology related to the theatre. This course is an academic elective and does not satisfy English requirements for graduation. This is a one-semester elective.

Acting I**For grades 9-12**

Introduces the acting process and the role of the actor in various styles/methods with a focus on scene study. Stresses developing imagination, observation, concentration powers, and self-discipline. Includes developing physical and vocal control while transmitting emotions, convictions, and ideas; enhances self-confidence and self-awareness. Theatre is used as a means to encourage cooperative learning, teamwork, organization, and leadership skills. The class allows all students the opportunity to perform on a regular basis. This course is an academic elective and does not satisfy English requirements for graduation. This is a one-semester elective.

Physical Education

All students are required to take Personal Fitness and Health for graduation.

Health

For grades 9-12

Health allows students to develop a higher state of wellness through an understanding of preventative health strategies as they pertain to personal health, nutrition, communicative and chronic diseases, consumer health, first aid and CPR, drug education, community health and family living. An emphasis is placed on the decision-making process and preventative health care. The Alcohol Drug Awareness Program (ADAP) will be given during all Health classes.

Personal Fitness

For grades 9-12

Personal Fitness is designed to help students understand why exercise and fitness are important and will emphasize successful strategies for maintaining good cardiovascular endurance, flexibility, muscular strength, and muscular endurance. The course will follow a conceptual approach dealing with the following topics: understanding the nature of fitness; appraising individual fitness; understanding methods of conditioning, exercise precautions and fallacies, and problems with maintaining a lifelong fitness program; developing a personal fitness program; and assessing diet and exercise and how they affect your health. In addition, the course includes physical training and fitness goals.

Intro to Team Sports A&B

For grades 9-12

This course is designed to introduce students to three different team sports ranging from basketball, volleyball, softball, flag football, soccer, and any other team-oriented sport. This course offers the students the opportunity to learn the sport history, rules and regulations, etiquette, strategy and judgment, and basic motor skills.

Weight training A&B

For grades 9

These courses are designed to introduce students to a program of activities that promote the development of health-related fitness. Activities may include stretching exercises, weightlifting, strength training, plyometric exercises, flexibility, and physical fitness training. Students will devise an individual program for their fitness and strength level.

Intro to Lifetime Sports A&B

For grades 9-12

This course is designed to introduce students to different lifetime sports. This course may include the following: tennis, badminton, basketball, volleyball, golf, bowling, and any other individual or dual sport or activity. It will also offer the student the opportunity to learn the sport history, rules and regulations, etiquette, strategy and judgment, and basic motor skills for each activity.

Science

Four units of science study, including one unit of biology, one unit of Physics or Physical Science, one unit of Chemistry, Earth Systems, Environmental Science or AP science, and one additional unit of science is required.

Honors Physics I A&B**

For grade 9-10

Prerequisite: concurrent with GSE Hon Alg 1 & Teacher rec.

Physics is a foundational science. The principles taught in a first-year physics course underlie all other fields of science and lay the foundation for more advanced high school courses in chemistry, biology and physics. It is essential to offer incoming freshman a first-year physics course to be taken concurrently with GSE Algebra. This approach improves mathematical skills because students gain a better understanding of how algebra concepts are applied to physics content. Our approach to teaching physics first, fosters critical thinking and has improved success in subsequent science courses. The curriculum emphasizes real world application, integrates accelerated algebra skills and incorporates technology to gain well-rounded knowledge of physics concepts. This course focuses on the study of forces and the laws of nature affecting matter: equilibrium, motion, momentum, and the relationships between matter and energy; the laws of conservation; energy transformation. The study of physics includes examination of sound, light, magnetic and electric phenomenon as well as an introduction to geometrical and physical optics. Students investigate physics concepts through laboratory experiences using the process of inquiry. Students will accumulate data, construct graphs and develop mathematical models to describe the physical world.

Physics I A&B

For grade 9

Prerequisite: Concurrent w/ GSE Algebra

This course follows the same principles and general topics as Physics I Honors. The differences include the depth of topics covered and the mathematical formulas used. The course is differentiated in laboratory scope and sequence.

Physics I 93 A&B

For grade 9

Prerequisite: teacher recommendation

This course follows the same principles and general topics as Physics I. The differences include the depth of topics covered and the mathematical formulas used. The course is differentiated in laboratory scope and sequence.

Honors Biology A&B **

For grades 9-10

Prerequisite: teacher rec and concurrent with GSE Honors Algebra 1. or higher math

Honors Biology is an honors sophomore level class. The first semester includes inorganic and organic chemistry principles, cell structures and function, cellular processes, cellular respiration, photosynthesis, cellular reproduction, genetics, and DNA. The second semester deals with evolution, biological diversity and its classification, plant and animal forms and function. Honors biology is a laboratory-based class. Students will be involved in computer-based and traditional lab activities with an emphasis on collaborative inquiry exploration. Students will take the state Georgia Milestones EOC at the end of the course.

	9 th	10 th	11 th	12 th
Accelerated/ Multiple AP options	Honors Biology (taken concurrently with Hon Alg 1 or higher math)	Honors Chemistry (taken concurrently with Hon Alg 2 or higher math)	<p>“A or B” avg in <i>Honors Chem</i> : AP Biology OR AP Chemistry OR AP Physics C (must be taken with Calc) AP Physics 1 OR AP Environmental Science</p> <p>→</p> <p>“C or D” avg in <i>Honors Chem</i>: Anatomy/Physiology OR Honors Physics 2</p> <p>Below “D” avg in <i>Chem 111</i>: Env Sci and a science elective course</p>	<p>AP Biology OR AP Chemistry OR AP Physics C (must be taken with Calc) AP Physics 1 OR AP Environmental Science OR Honors Anatomy/Physiology OR Honors Biotechnology OR Honors Physics 2</p>
	Honors Biology (taken concurrently with Hon Algebra 1)	AP Env. Science OR Honors Anatomy/Physiology	Honors Chemistry (taken concurrently with GSE Hon Alg 2 or higher math)	
Honors	Honors Physics 1 (taken concurrently with Hon Algebra 1 or higher math) *Below a C average will be recommended to Biology	Honors Biology *Below a C average will be recommended for Chemistry	Honors Chemistry (taken concurrently with GSE Hon Alg 2 or higher math)	
2-Level	Physics 1 (taken concurrently with Algebra 1 or higher math) *A average can go to Honors Biology	Biology	Chemistry (taken concurrently with GSE Alg 2) OR Environmental Science	Anatomy/Physiology OR Physics 2 OR Environmental Science OR Astronomy OR Forensics
3-Level	Physics 1 93 (taken concurrently with Foundations of Alg or Alg 1 93)	Biology 103	Environmental Sci 113 (taken concurrently with Alg 2 and support)	Anatomy/Physiology OR Chemistry OR Astronomy OR Forensics
Graduation Requirement: 1 unit of Biology 1 unit of Physics/Physical Science 1 unit of Chem, Env. Sci or AP Science 1 unit of a 4 th science		Note: *Students can be moved up or down levels per teacher recommendation. *Waivers are accepted when the prerequisite has been satisfied *4 th science does not necessarily have to be taken senior year		

Social Studies

Three units of social studies is required including 1/2 unit American Government, 1/2 unit Principles of Economics, one unit World History and one unit United States History

World Geography A&B

For grade 9

World Geography provides an overview of how human beings interact with their environment and introduces the idea that how we live is influenced by where we live. An awareness of similarities and differences in human needs and behaviors is developed along with an appreciation for the impact that geography has on our lives. World Geography will cover a wide variety of topics including, but not limited to demography, culture, political geography and agriculture. This course is an academic elective credit only and does not fulfill the Social Studies requirements for graduation.

AP Human Geography***

For grade 9

Prerequisite: teacher recommendation

The purpose of the AP course in Human Geography is to provide the students with an in-depth understanding of the earth's cultures, recent regional histories, political systems and disputes, land use patterns, and issues of sustainability. By the end of the course, each student will be able to watch the news on television and understand the issues that define our world. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The course will cover 7 general topics: demography, resources and human settlement, cultural patterns and processes, political patterns and processes, economic patterns and processes, and environmental and development issues. This course is an academic elective credit only and does not fulfill the Social Studies requirements for graduation.

	9 th	10 th	11 th	12 th
ISA Spanish Students	AP Human Geography	AP U.S. Government *ISA class with Spanish component	AP U.S. History *ISA class with Spanish component	World History (any level) *Students should consider taking AP European History as an elective.
Advanced Placement	AP Human Geography	AP U.S. Government & AP Microeconomics *Possible AP electives include AP Macroeconomics, AP Comparative Gov and AP European History	AP U.S. History *Possible AP electives include AP Macroeconomics, AP Comparative Gov, AP European History, AP Art History AP Psychology	AP World History *Possible AP electives include AP Macroeconomics, AP Comparative Gov, AP European History, AP Art History and AP Psychology
Honors Level	AP Human Geography	Honors U.S. Government & Honors Economics	Honors U.S. History	Honors World History
On Level	World Geography	U.S. Government & Economics	U.S. History	World History
3 – Level		U.S. Government 103 & Economics 103	U.S. History 113	World History 123
Graduation Requirements: 1 unit of World History 1 unit of U.S. History 1/2 unit of Government 1/2 unit of Economics		AP Microeconomics – meets the Economics graduation requirement AP Macroeconomics – counts as an academic elective AP U.S. Government – meets the Government graduation requirement AP Comparative Government – counts as an academic elective Level recommendations will be made each year by social studies teachers to ensure proper level placement and rigor of coursework. All 3-level classes can only be taken with teacher recommendation.		

Technology Education

A total of three units are required from Career Tech Education, Modern Language, Latin, and/or Fine Arts.

Intro to Graphics & Design I A&B

For grades 9-12

This is the first course in the Graphic Design Career Pathway. This class is designed to provide an overview of the field of Graphic Communications and Design. Students will learn design concepts, computer layout, and production of printed materials which are pervasive in our world. Students will custom make the products using the Adobe Creative Suite 5. Some projects include notepads, mouse pads, business cards, stationery, brochures, post cards, CD covers, invitations, and more. Students are acquainted with career opportunities in the areas of advertising, graphic design, illustration, typesetting, screen printing, digital printing, offset printing, and others. Students will learn basic techniques of photo editing in Adobe Photoshop, drawing and vector art creation using Adobe Illustrator and page layout skills using Adobe InDesign. Many opportunities are available for students to gain local, state and national recognition through their work produced in this and future courses. This course is a PrintEd accredited program in which a student may obtain a national certification upon completing specific competencies.

Broadcast/Video Productions I A & B

For grades 9-12

This is the first course in the Broadcast Video/Production Career Pathway preparing the students for employment of entry into a postsecondary education program in this field. Students in Broadcast/Video Productions will discover the ins and outs of how a television show is made. Topics covered include history of mass media, basic field equipment function, shooting and editing video, studio production, production teams, planning, writing and editing a field production, employability skills, storyboarding, career opportunities and professional ethics.

Honors Intro to Engineering Design A&B**

For grades 9-12

Prerequisite: concurrent with GSE Alg

Introduction to Engineering Design is a year-long honors introductory course in the nationally known Project Lead the Way curriculum. The IED course teaches problem-solving skills through use of a design development process. Topics include the history of design, sketching and visualization, modeling, and documentation. Students will create and prototype 3-D models using industry standard CAD software and various manufacturing techniques. Students will learn how to properly document this entire design process.

Introduction to Healthcare Science A&B

For grades 9-12

Introduction to Healthcare Science is a foundations course for the Sports Medicine Pathway. It is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to healthcare skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as, ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support.

World Languages

Our World Language department offers a complete program in Chinese, French, Latin and Spanish. A total of three units is required from Career Technical Ed, Modern Language, Latin and/or Fine Arts. Students planning to enter or transfer to a University System of Georgia Institution or other post-secondary institution must take at least two units of the same modern language or Latin.

Levels I, II, III, and IV of the modern languages offered at Walton are for students who are learning these languages as a Foreign Language. Native and Heritage speakers wishing to study their native language at Walton will be placed on a case by case basis depending on their skill development levels. These students may instead prefer to study another modern language.

Latin I A&B

For grades 9 –12

This course introduces students to the Latin language and ancient Roman civilization. It emphasizes the skills needed to read Latin literature. The approach used is a reading approach in which grammar is taught in context, and as an aid to, reading comprehension.

Latin II A&B

For grades 9-12

Prerequisite: Latin I

This course enhances Level I skills and provides opportunities to translate longer, more challenging passages. This course is the second half of a two-year sequential course, which develops the skills needed to read Latin literature.

Chinese I A&B

For grades 9-12

This Level I language course focuses on the development of communicative competence in the target language and understanding the culture of the people who speak the language. It assumes that the students have minimal or no prior knowledge of the language and culture. The major means of communication between the students and instructor is in the target language. The course content includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of Chinese-speaking cultures.

Chinese II A&B

For grades 9-12

Prerequisite: Chinese I

The Level II language course focuses on the continued development of communicative competence in the target language and understanding of the culture(s) of the people who speak the language. It assumes that the students have successfully completed a Level I course. Students begin to show a greater level of accuracy in communicating their immediate world and daily life, read materials on familiar topics, and write short, directed compositions. The major means of communication between students and instructor is the target language. It continues to provide practice in how to greet and take leave of someone, to ask and respond to basic questions, and to speak and read within a range of carefully selected topics.

French I A&B

For grades 9-12

The Level I language course focuses on the development of communicative competence in the target language and understanding the culture of the people who speak the language. It assumes that the students have minimal or no prior knowledge of the language and culture. The major means of communication is in the target language. The course content includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics, and to develop an understanding of French-speaking cultures.

French II A&B

For grades 9-12

Prerequisite: French I

The Level II language course focuses on the continued development of communicative competence in the target language and understanding of the culture(s) of the people who speak the language. Students begin to show a greater level of

accuracy when using basic language structures, and they are exposed to more complex features of the language. They continue to focus on communicating about their immediate world and daily life activities, read material on familiar topics, and write short, directed compositions. The major means of communication is in the target language.

Spanish I A&B**For grades 9 –12**

The Level I language course focuses on the development of communicative competence in the target language and understanding the culture of the people who speak the language. It assumes that the students have minimal or no prior knowledge of the language. The course content includes how to greet and take leave of someone, to ask and respond to basic questions, to speak, write and read within a range of specific topics, and to develop an understanding of Spanish-speaking cultures. The major means of communication between students and instructors will be in the target language.

Spanish II A&B**For grades 9-12****Prerequisite: Spanish I**

The Level II language course focuses on the continued development of communicative competence in the target language and understanding of the cultures of the people who speak the language. Students begin to show a greater level of accuracy when using basic language structures, and they are exposed to more complex grammar as well as expansions in vocabulary topics learned in Level 1. They continue to focus on communicating about their daily life activities, read material on familiar topics, and write short, directed compositions. The major means of communication between students and instructors will be the target language.

9 th	10 th	11 th	12 th
Chinese 1	Chinese 2	Honors Chinese 3	Honors Chinese 4
Chinese 2	Honors Chinese 3	Honors Chinese 4	Honors Chinese 5 or AP Chinese
Latin 1	Latin 2	Honors Latin 3	AP Latin
Latin 2	Honors Latin 3	AP Latin	Honors Latin 5
French 1	French 2	Honors French 3	Honors French 4
French 2	Honors French 3	Honors French 4	AP French
Spanish 1	Spanish 2	Honors Spanish 3	Honors Spanish 4
Spanish 1	Spanish 2/Honors Spanish 2 (spring sem)	Pre-AP Spanish	AP Spanish Language
Spanish 2	Honors Spanish 3	Honors Spanish 4	AP Spanish Language or Spanish 5 Honors
Spanish 2/Honors Spanish 2 (spring sem)	Pre-AP Spanish	AP Spanish Language Spanish 5 Honors	AP Spanish Literature AP Spanish Language

*Honors Chinese 6 may be taken after the completion of AP Chinese.

STEM Curriculum Flowchart

	9 th	10 th	11 th	12 th
Advanced Math & Science Track	STEM AP Environmental Science	STEM AP Chemistry	STEM AP Physics C Mechanics	STEM AP Biology
	STEM GSE Acc Geometry/Algebra 2	STEM GSE Accelerated PreCalculus BC	STEM GSE AP Calculus BC	Multivariable Calculus or Georgia Tech Distance Calculus
Biomedical Track	STEM Honors Principals of Biomedical Science	STEM Honors PLTW Human Body Systems and STEM Honors Anatomy	STEM Honors PLTW Medical Intervention	STEM Honors PLTW Biomedical Innovations Capstone Course
	STEM Honors Biology	STEM Honors Chemistry	STEM AP Biology	STEM AP Physics 1
Engineering Track	STEM Hon PLTW Introduction to Engineering Design	STEM Hon PLTW Principles of Engineering	STEM Hon PLTW Aerospace Engineering or Digital Electronics	STEM Hon PLTW Engineering Design and Development
	STEM Honors Biology	STEM Honors Chemistry	STEM AP Physics 1	STEM AP Physics 2 or STEM AP Chemistry

STEM Engineering and Biomedical students enrolled in Honors Biology, Honors Chemistry and/or PLTW courses should expect to have labs several times each semester during WEB.

Summer Reading Requirements

Every student will have a required summer reading assignment in English and Social Studies. Additionally, some courses in mathematics and science require a summer learning assignment. These assignments along with specific instructions on the assignments will be posted to the Walton website in May. Please consider these requirements when planning your course selection for the 2021-2022 school year.

English Summer Reading:

9th Grade English Literature and Composition (All levels – one book with assignment)

Refugee (Gratz)

12th Grade ISA AP Literature and Composition (One required book with assignment)*

One Hundred Years of Solitude (Garcia Marquez)

Social Studies Summer Reading:

World Geography & AP Human Geography

Refugee (Gratz)

Math Summer Assignment:

All Students enrolled in Accelerated Geometry/Algebra 2 will have a summer packet to complete. The packet will be available on the Mathematics Department page of the Walton website in May. Other math classes do NOT require the completion of a summer math packet.

Post-Secondary Planning

At Walton, approximately 98% of students attend either a two- or four-year college upon graduation. This figure remains steady with each graduating class. All students at Walton are encouraged to take challenging courses that will prepare them for whatever post-secondary school they desire to attend. Colleges appreciate students who demonstrate a willingness to attempt higher level classes, such as AP and Honors. Success in these classes is evidence to admission committees that a student has what it takes to succeed and excel at their institution as well. In addition to the rigorous coursework, essays, extra-curricular involvement, and teacher recommendations, colleges may consider SAT and ACT test scores as a measure of how well a student will do once they are in college.

The College Corner at Walton is open every day to juniors and seniors. There are computers available for students to use to begin the college search process, research programs of study, work on applications and essays, and check the status of their applications. Students may also set up individual appointments to obtain assistance on beginning the college search, choosing colleges, preparing for interviews and career exploration. In addition to live help, there are also numerous books and publications for student use on all aspects of applying, test taking, and funding for college.

College admissions representatives visit Walton throughout the year. These visits provide a personal touch that may not be available in schools' literature. Representatives inform students about the school's admissions process and deadlines, campus life, housing, majors available and scholarships. Students have the ability to ask questions and this is often a chance for students to meet the person who will read their application in the future. Students must register via Naviance in advance and print the email reminder to present to teachers. Students must notify teachers in advance if they need to miss class to attend a college visit. It is up to the teacher to determine if the student can miss the class.

Walton school counselors offer a comprehensive informationals session on college preparation for parents of juniors in the spring each year and for parents of seniors in the fall. There is also a Financial Aid Night for parents held in the fall each year to help simplify the financial aid process. A representative from the Georgia Student Finance Commission and a Walton school counselor address all aspects of financial aid including the HOPE scholarship, the FAFSA, CSS Profile, loans and grants.

NCAA Clearing House

Students who are interested in playing a sport on the collegiate level must register with the National Collegiate Athletic Association (NCAA) prior to communication and official visitation for recruiting purposes. This registration is usually done in the spring of the junior year; however, it can be completed earlier. To register go to: www.eligibilitycenter.org, click the box marked, "NCAA COLLEGE-BOUND, STUDENT-ATHLETE". Under the Resources Tab, click "U.S. Students." Follow the steps for registration.