

2017-2018

Academic Planning

Guide

Walton High School

1590 Bill Murdock Road • Marietta, GA 30062

770-578-3225

<http://www.waltonhigh.org>

Administration

| | |
|--------------------------|--------------------|
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| Assistant Principal..... | Chris Jones |
| Assistant Principal..... | Pamela LaVangie |
| Assistant Principal..... | Catherine Mallanda |
| Assistant Principal..... | Beth Martin |
| Assistant Principal..... | Suzanne Schott |
| Assistant Principal..... | Richard Tischler |
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School Counseling Department

| | |
|-------------------------------------|------------------------|
| Counselor A-Ch..... | Laura Clary |
| Counselor Ci-G..... | Judy Rangel |
| Counselor H-K..... | Donna Dunham |
| Counselor L-N..... | Natalie Galvin |
| Counselor O-Sl..... | Tina Harwood |
| Counselor Sm-Z..... | Lisa Fay |
| Counselor for special projects..... | Anne Carlson |
| Scheduling..... | Patti Rose/Renee Dixon |
| Records Room..... | Melissa Schrenk |
| College Corner..... | Cheryl Lenenski |

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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 of 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 the school in order to take the course.

The variety of course offerings in each department will give you the necessary prerequisites for your future activities, whether they include college, technical school, or work. Some courses have prerequisites. A prerequisite is a course that you must take before you take another course. Some courses are sequential and must be taken in order. World Language and Mathematics are courses that are sequential in nature. Please begin thinking and planning your future goals early in high school so that you will 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 in the spring to complete a four year plan. Eleventh grade students will receive advisement in the fall to assess progress towards graduation and post-secondary goals. Scheduled meeting times for students/advisors will be planned during the regular school day. The student's advisor is the homeroom teacher and he/she will help students with academic planning. In most cases the students will have the same advisor each year.

Eligibility for Athletics

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

1. First-year students are eligible first semester. They must earn 2.5 units the 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 a 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 .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 teachers for honors and Advanced Placement courses based on the student's performance in their current course. Placement is based on criteria set by each academic department.

≈ Graduation Requirements ≈

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 in the must pass the course in which an End Of Course Test is given which comprises 20% of the overall grade.

Each student is encouraged to complete either an Academic, Fine Arts, CTAE or World Languages pathway. Students will be asked to designate a primary and secondary pathway during eighth grade registration so that progress can be monitored throughout high school.

Students who successfully complete high school courses in Middle School will earn credit towards graduation requirements. The student’s final grade will be recorded on the high school transcript but will not be included in the GPA.

| Subjects | Diploma |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| English | 4 units of English Language Arts required for all students including 1 unit of 9th Literature/Composition and 1 unit of American Literature |
| Mathematics | 4 units of Mathematics required for all students |
| Science | 4 units of Science required for all students, to include 1 unit of Biology, 1 unit of Physical Science or Physics, 1 unit of Chemistry, Earth Systems, Environmental Science, or an AP Science, and 1 additional unit of science |
| Social Studies | 3 units of Social Studies required for all students, to include 1 unit of World History, 1 unit of United States History, 1/2 unit of American Government, and 1/2 unit of Economics |
| Health & Physical Education | 1 unit of Health and Personal Fitness are required for all students |
| Career Technical Education and/or Modern Language/Latin and/or Fine Arts | A total of 3 units are required from Career Technical Education, Modern Language, Latin and/or Fine Arts. <i>Students planning to enter or transfer into a University System of Georgia institution or other post-secondary institution must take 2 units of the same modern language or Latin.</i> |
| Electives | 4 additional elective units for all students |
| Total Units Minimum | 23 units |

≈ Pathway Completions ≈

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 complete a CTAE Pathway when they complete a series of three or four specific courses in 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 Pathway, 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.

≈ Guidance Opportunities ≈

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 Rolls ≈

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 Principal's Honor Roll. All students with a 4.0 or greater in a semester will receive a 4.0 pass that allows them special access to non-playoff sporting events and special performances at no charge. 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 and Retention ≈

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

≈ Transcripts ≈

A student who wants a copy of her/his transcript sent to a college or prospective employer must sign a request for the transcript to be released. This request is kept on file in the school counseling office. Transcripts are released for a charge of \$2.00 each.

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 courses 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, Social Studies, Science 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 challenge, you may complete a WAIVER 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. All waivers must be submitted to the school counseling office.
2. For ELECTIVE classes, students will complete registration during their lunch periods. Tables for registration signatures and/or questions will be located between the commons and the media center.
3. Registration for year-long courses (classes with an A and B semester) in an ACADEMIC area, regardless of a core credit or an elective, may not be dropped at the end of the first semester. Additionally, the course must be completed on our campus.
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 frame 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 school 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 that 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.
7. Morning tuition school will be available if there is enough student interest. If you would like to take SEVEN classes rather than six, please pick up a Tuition form at the registration table and review it with your parents. The fee for the extra course is \$300 per semester. Cash or a check for this amount must accompany your registration and should be brought in person to the school counseling office so a receipt can be written. Students will be placed in any zero period course that his or her schedule allows.

8. Flex scheduling (attending zero through 6th period) is an option if there is availability in zero period classes. Students paying tuition will receive first priority. Students should pick up flex schedule forms from the registration table.
9. Registering for zero period, either flex or tuition, Dual Enrollment/MOWR or teacher apprenticeship does not guarantee a parking space.
10. 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 webpage that will give more detailed information regarding the requirements and demands of specific AP classes. **It is not possible for you to try out a course to determine if it is right for you.** After the 10th day of the semester, any course dropped will receive a grade of “F” (average of “10”) as the grade on the official transcript per Cobb County School District Policy.
11. AP Courses taken at Walton or through an approved online provider will only be given credit an AP designation and receive the extra 1.0 extra quality point added to the GPA if the AP exam is taken.

COURSE SELECTIONS ARE CHANGED FOR THE FOLLOWING REASONS ONLY:

- A. If you failed or have not had the prerequisite for the particular course
- B. If you are a senior and need a specific course to graduate
- C. 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 .5 Quality point
- *** denotes course which receives an additional 1.0 Quality point

GEORGIA MILESTONES EOC “Test-Out” Options

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, GSE Geometry, US History, Economics, Biology, Physical Science, 9th Literature 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 of the state of Georgia **MAY OR MAY NOT** accept these credits. Students seeking NCAA eligibility should not utilize the “Test Out” option. 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 tests and do not indicate that students have all the necessary skills to be successful in the subsequent course. Students are not allowed to repeat a course for which they have earned credit.

Course Offerings

| Area of Study | Course No. Fall/Spring | Course Title | Grade level | Prerequisite |
|-------------------------|---------------------------|-----------------------------------|-------------|---------------------------------------------------------------------|
| Career Education | | | | |
| | 7027/7028 | Introduction Business & Tech A&B | 9-12 | |
| | 7019/7020 | Financial Literacy A&B | 10-12 | Intro Business & Tech |
| | 7029/7030 | Banking and Finance | 11-12 | Financial Literacy or Jr/Sr status |
| English | | | | |
| | 1030/1035 | Ninth Lit/Comp 91 A&B Honors** | 9 | Teacher Rec. |
| | 1050/1051 | ISA Ninth Lit/Comp91A&B Honors** | 9 | Admission to the Inter. Spanish Academy |
| | 1031/1036 | Ninth Lit/Comp 92 A&B | 9 | |
| | 1034/1039 | Ninth Lit/Comp A&B ESOL | 9 | Identified ESOL & teacher rec. |
| | 1120/1121 | AP Language/World Lit A&B*** | 10 | 1 unit 9th lit & teacher rec. |
| | 1130/1131 | World Lit/Comp 101 A&B Honors** | 10 | 1 unit 9th lit & teacher rec. |
| | 1132/1133 | World Lit/Comp 102 A &B | 10 | .5 unit 9th lit. |
| | 1134/1135 | World Lit/Comp ELL A&B | 10-11 | .5 unit English credit |
| | 1215/1219 | Amer.Lit/Comp111(LA)A&BHonors** | 11 | 1 unit AP Language/World Lit. |
| | 1200/1205 | Amer. Lit/Comp111A&B Honors** | 11 | 1 unit of English & Teacher rec. |
| | 1201/1206 | American Lit/Comp 112 A&B | 11 | 1 unit 9th lit, 1/2 unit World lit, & Teacher rec. |
| | 1421/1422 | AP Language/American Lit A&B*** | 11-12 | 1 unit 9th lit, 1/2 unit World lit., & Teacher rec. |
| | 1300/1400 | British Lit/Comp 121 A&B Honors** | 12 | 1 unit 9th lit, 1 unit American lit, & Teacher rec. |
| | 1301/1401 | British Lit/Comp 122 A&B | 12 | 1 unit 9th lit, 1/2 unit World lit, & 1/2 unit American Lit |
| | 1406/1407 | AP Literature/Comp A&B*** | 12 | 1 unit each 9th lit, World lit, American Lit & Teacher Rec. |
| | 1408/1409 | ISA AP Literature/Comp A&B*** | 12 | 1 unit each 9th lit, World Lit, American lit & admission to the ISA |
| | 1820/1821 | Journalism/Yearbook A&B | 9-12 | (not an English credit) |
| | 1824 | Mythology Honors ** | 11-12 | (not an English credit/one semester) |
| Fine Arts | | | | |
| | 6000 | Visual Arts:Comprehensive | 9-12 | |
| | 6002 | Visual Arts: Drawing I | 9-12 | Vis Arts:Cmp. |
| | 6003/6004 | Visual Arts: Draw & Paint I A&B | 10-12 | Drawing I |
| | 6006/6009 | Vis Arts: Drawing II A&B | 10-12 | Draw & Paint I |
| | 6022/6024 | AP Visual Arts: Studio*** | 11-12 | Teacher Rec. |
| | 6604 | Women's Concert Choir | 9-12 | Audition |
| | 6610 | Mannechor (Men) | 9 | Audition |
| | 6606 | Bel Canto (Women) | 10-12 | Audition |
| | 6607 | Camerata Singers (Women) | 11-12 | Audition |
| | 6607 | Camerata Singers (Men) | 10-12 | Audition |
| | 6608 | A Cappella (Mixed) | 10-12 | Audition |
| | 6609 | Select Women's Vocal Ensemble | 10-12 | Audition |

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| Area of Study | Course No. Fall/Spring | Course Title | Grade level | Prerequisite |
|---------------------------|---------------------------|--------------------------------|-------------|--------------------------------------------------------------------------|
| | 6801 | Concert Band II | 9-12 | Audition |
| | 6802 | Concert Band I | 9-12 | Audition |
| | 6803 | Symphonic Band II | 9-12 | Audition |
| | 6804 | Symphonic Band I | 9-12 | Audition |
| | 6502/6503 | AP Music Theory A&B*** | 11-12 | Teacher Rec. |
| | 6806 | Dorian Orchestra | 9 | Audition |
| | 6812 | Aeolian Orchestra | 9 | Audition |
| | 6809 | Ionian Orchestra | 10-12 | Audition |
| | 6810 | Locrian Orchestra | 10-12 | Audition |
| | 6807 | Sinfonia | 9-12 | Audition |
| | 6808 | Philharmonia | 9-12 | Audition |
| | 6811 | Chamber Orchestra | 9-12 | Audition |
| | 6037/6038 | Technical Theater | 9-12 | |
| Mathematics | | | | |
| | 2001/2002 | GSE Algebra I A&B | 9 | Math 8 & teacher rec. |
| | 2003/2004 | GSE Alg I Support A& B | 9 | Teacher rec. (elective credit only) |
| | 2005/2006 | GSE Algebra I 93A&B | 9 | Math 8 & teacher rec.– core math unit taken together spring semester |
| | 2070/2071 | Foundation of Algebra 93A&B | 9 | Math 8 & teacher rec.– Core math unit taken together fall semester |
| | 2009/2010 | GSE Honors Algebra I A&B** | 9 | Adv. Math 8 & teacher rec. |
| | 2019/2020 | GSE Geometry A&B | 10 | GSE Alg & teacher rec. |
| | 2021/2022 | GSE Geometry Support A&B | 10 | Concurrent w/GSE Geom & teacher rec. (elective credit only) |
| | 2023/2024 | GSE Geometry 93 A&B | 10 | GSE Alg 93 & teacher rec. |
| | 2025/2026 | GSE Geometry 93 Support A&B | 10 | Concur. w/GSEGeom93(elective credit only) |
| | 2027/2028 | GSE Honors Geometry A&B** | 9-10 | GSE Alg Enr. or GSE Alg & teacher rec. |
| | 2037/2038 | GSE Accel. Geom/Alg II** | 9-10 | Accel Alg & Geom & teacher rec. |
| | 2039/2040 | STEM GSE Acc Geom/Alg II** | 9 | Admission to AMS STEM Academy |
| | 2041/2042 | GSE Algebra II A&B | 11 | GSE Geom A&B or GSE Geom 93 & teacher rec. |
| | 2043/2044 | GSE Algebra II Support A&B | 11 | Teacher recommendation only & Concur. w/GSE AlgII (elective credit only) |
| | 2045/2046 | GSE Honors Algebra II A&B** | 10-11 | GSE Hon Geom or GSE Geom & teacher rec. |
| | 2055/2056 | GSE Accel Precalc AB A&B** | 11-12 | Accel. Geom/AlgII or Hon Alg II & teacher rec. |
| | 2057/2058 | GSE Accel Precalc BC A&B** | 10-11 | Accel Geom/AlgII or Hon AlgII & teacher rec |
| | 2061/2062 | GSE Precalculus A&B | 12 | AlgII & teacher rec |
| | 2059/2060 | STEM GSE Acc Precalc BC** | 10 | Admission to AMS STEM Academy |
| | 2949/2950 | STEM AP Calculus BC*** | 11 | Admission to AMS STEM Academy |
| | 2307/2308 | AP Calculus AB A&B*** | 11-12 | GSE Acc Precal. |
| | 2310/2311 | AP Calculus BC A&B*** | 11-12 | Acc Precalc BC or AP Calc AB |
| | 2340/2341 | Multivariable Calculus A&B*** | 11-12 | AP Calculus BC |
| | 2320/2322 | AP Statistics A&B*** | 11-12 | GSE Hon Geom & teacher rec. |
| Physical Education | | | | |
| | 9000 | Personal Fitness | 10-12 | |
| | 9100 | Health | 9-12 | |
| | 9080/9081 | Intro to Team Sports A&B | 9-12 | |
| | 9070/9071 | Intro to Outdoor Education A&B | 10-12 | |
| | 9060/9061 | Intro to Lifetime Sports A&B | 9-12 | |
| | 9008/9009 | Weight Training A&B | 9 | |
| | 9010/9011 | Advanced Weight Training A&B | 10 | Weight training |
| | 9012/9013 | Physical Conditioning | 11 | Adv Weight training |
| | 9055/9056 | Adv. Physical Conditioning A&B | 12 | Physical Conditioning |
| | 9081/9082 | Exercise & Weights | 10-12 | Teacher recommendation |

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| Area of Study | Course No. Fall/Spring | Course Title | Grade level | Prerequisite |
|---------------|------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Science | 3000/3005 | Physics I 91 A&B Hon** | 9 | Concurrent /GSE Alg Enr or Acc. & teacher rec. |
| | 3010/3015 | Physics I 92 A&B | 9-10 | GSE Alg or GSE Alg w/support |
| | 3020/3025 | Physical Science 93 A&B | 9-10 | Teacher rec. |
| | 3100/3105 | Biology 101 A&B Honors** | 9-12 | Teacher rec. & accelerated standing or Teacher rec & concurrent with Honors Geom. |
| | 3110/3115 | Biology 102 A&B | 10-12 | 1 unit science |
| | 3120/3125 | Biology 103 A&B | 10-12 | 1 unit science & teacher rec. |
| | 3101/3106 | STEM Biology 101 A&B Honors** | 9 | Admission to BMS STEM Academy |
| | 3102/3103 | STEM Biology 101 A&B Honors** | 9 | Admission to Eng STEM Academy |
| | 3250/3255 | Human Anat/Phys A&B Honors** | 11-12 | 1 unit biology & teacher rec. |
| | 3251/3252 | Human Anat/Phys A&B | 11-12 | 1 unit of biology & 1 other science |
| | 3244/3245 | Forensic Science A&B | 11-12 | 2 units of science & teacher rec |
| | 8500/8501 | STEM Principles of Biomedical Science** 9 | | Admission to BMS STEM Academy |
| | 8438/8439 | STEM H Human Body Systems** | 10 | Admissions to BMS STEM Academy |
| | 8440/8441 | STEM H Medical Intervention** | 11 | Admission to BMS STEM Academy |
| | 3320/3321 | Earth Systems 112 A&B | 11-12 | 1 unit biology & 1 unit of a physical science |
| | 3322/3323 | Earth Systems 113 A&B | 11-12 | 1 unit of biology, 1 unit of a physical science & teacher rec |
| | 3328/3329 | Astronomy A&B | 12 | 3 units of science |
| | 3330/3335 | Chemistry 112 A&B | 11-12 | 2 units science & Concurrent with GSE Alg II (not support) |
| | 3340/3345 | Chemistry 111 A&B Honors ** | 10-12 | 2 units of science or accelerated standing concurrent with GSE Hon Alg II |
| | 3351/3352 | STEM H Chemistry A&B** | 10 | Admission to BMS STEM Academy |
| | 3353/3354 | STEM H Chemistry A&B** | 11 | Admission to Medicine STEM Academy |
| | 3260/3261 | Biotechnology A&B Honors** | 11-12 | 1 unit of biology |
| | 3360/3365 | Physics 121 A&B Honors** | 11-12 | 2 units of science & concurrent with GSE Precalc |
| | 3370/3375 | Physics 122 A&B | 12 | 3 units of science (cannot be enrolled in calculus) |
| | 3361/3366 | STEM H Chemistry A&B** | 10 | Admission to Eng STEM Academy |
| | 3410/3415 | AP Biology A&B*** | 11-12 | 1 unit honors biology, 1 unit honors chemistry, & teacher rec. |
| | 3411/3416 | STEM AP Biology A&B*** | 12 | Admission to Med STEM Academy |
| | 3412/3417 | STEM AP Biology A&B*** | 11 | Admission to BMS STEM Academy |
| | 3450/3451 | AP Environmental Science A&B*** | 11-12 | 1 unit biology, 1 unit chemistry, & teacher rec. |
| | 3452/3453 | AP Environmental Science A&B*** | 10 | 1 unit biology hon & concurrently in chemistry |
| | 3454/3455 | STEM AP Environ Science A&B*** | 9 | Admission to AMS STEM Academy |
| | 3420/3421 | AP Chemistry A&B*** | 11-12 | 1 unit honors chem & teacher rec. |
| | 3422/3423 | STEM AP Chemistry A&B*** | 10 | Admissions to AMS STEM Academy |
| | 3418/3419 | STEM AP Chemistry A&B*** | 12 | Admission to AMS STEM Academy |
| | 3427/3428 | STEM AP Chemistry A&B*** | 12 | Admission to Eng STEM Academy |
| | 3430/3435 | AP Physics C-Mechanics A&B*** | 11-12 | 2 units science, Concurrent with calculus & teacher rec. |
| 3431/3436 | STEM AP Physics C-Mechanics A&B*** | 11 | Admission to AMS STEM Academy | |
| 3440/3441 | AP Physics C-Emag A&B*** | 12 | 3 units of science including 1 unit of physics, concurrent with calculus & teacher rec | |
| 3462/3463 | AP Physics I A&B*** | 11-12 | 2 units of science, concurrent with GSE Precalc Enriched or higher math & teacher rec. | |
| 3468/3469 | STEM AP Physics I A&B*** | 11 | Admission to Eng STEM Academy | |
| 3464/3465 | AP Physics II A&B*** | 12 | Completion of AP Physics I & teacher rec | |

| Area of Study | Course No. Fall/Spring | Course Title | Grade level | Prerequisite |
|-----------------------|---------------------------|----------------------------------|------------------|-------------------|
| Social Studies | | | | |
| | 4011/4016 | World Geography 92 A&B | 9 | |
| | 4019/4020 | AP Human Geography*** | 9 | teacher rec. |
| | 4320 | American Government 101 Hon** | 10 | teacher rec. |
| | 4321 | American Government 102 | 10 | |
| | 4302(Fall only) | American Government 103 | 10 | teacher rec. |
| | 4323 | AP Government/Politics US*** | 10 | teacher rec |
| | 4314(Spring only) | AP Government: Comparative*** | 10-12 | AP Govt US |
| | 7000 | Principles of Economics Honors** | 10 | teacher rec. |
| | 7001 | Principles of Economics 102 | 10 | |
| | 7056(Spring only) | Principles of Economics 103 | 10 | teacher rec |
| | 7002 | AP Microeconomics*** | 10 | teacher rec. |
| | 7058(Spring only) | AP Macroeconomics*** | 10-12 | AP Microeconomics |
| | 4324 | ISA H Economics** | 10 (fall only) | Admission to ISA |
| | 4317 | ISA AP Government *** | 10 (spring only) | Admission to ISA |
| | 4200/4205 | US History 111 A&B Honors** | 11 | teacher rec. |
| | 4201/4206 | US History 112 A&B | 11 | |
| | 4202/4207 | US History 113 A&B | 11 | teacher rec. |
| | 4210/4211 | AP US History A&B*** | 11 | teacher rec. |
| | 4226/4227 | ISA AP US History A&B*** | 11 | Admission to ISA |
| | 4140/4141 | World History 123 A&B | 12 | teacher rec. |
| | 4142/4143 | World History 122 A&B | 12 | |
| | 4100/4103 | World History 121 Honors A&B** | 12 | teacher rec. |
| | 4120/4121 | AP World History A&B*** | 12 | teacher rec. |
| | 4305 | Current Issues | 11-12 | |
| | 4306 | Psychology | 11-12 | |
| | 4307 | Sociology | 10-12 | |
| | 4110/4111 | AP European History A&B*** | 10-12 | teacher rec. |
| | 4216/4217 | AP Art History A&B *** | 11-12 | teacher rec. |
| | 4430 | AP Psychology*** | 12 | |
| | 4415 | Ethnic Studies | 10-12 | |

| Area of Study | Course No. Fall/spring | Course Title | Grade level | Prerequisite |
|-----------------------------|---------------------------|---------------------------------------------------|-------------|--------------------------------------------------------|
| Technology Education | | | | |
| | 8260 | Intro to Graphics&Design IA | 9-12 | |
| | 8261 | Intro to Graphics&Design IB | 9-12 | IG&D IA |
| | 8262 | Intro to Graphics&Design IIA/Graphic Design&Prod | 9-12 | IG&D IB |
| | 8265 | Intro to Graphics&Design IIB/Graphic Design&Prod | 9-12 | IG&D IIA |
| | 8263 | Intro to Graphics&Design IIIA/Graphic Output Proc | 9-12 | IG&D IIB |
| | 8264 | Intro to Graphics&Design IIIB/Graphic Output Proc | 9-12 | IG&D IIIA |
| | 8266 | Intro to Graphics&Design IVA/Adv Graphic Design | 9-12 | IG&D IIIB |
| | 8267 | Intro to Graphics&Design IVB/Adv Graphic Design | 9-12 | IG&D IVA |
| | 8362/8363 | AP Computer Science Principles*** | 10-12 | GSE Algebra |
| | 8356/8357 | AP Computer Science A&B*** | 10-12 | Computer Science Principles or teacher rec. |
| | 8382/8383 | Honors Intro to Engineering Design A&B** | 9-12 | Concurrent with GSE Alg |
| | 3452/3453 | STEM Honors Engineering Design A&B** | 9 | Admission to ENG STEM Aca. |
| | 8380/8381 | Honors Principles of Engineering A&B** | 9-12 | Intro To Engineering Design & concurrent w/GSE Geom |
| | 8374/8375 | STEM Honors Prin of Engineering A&B** | 10 | Admission to ENG STEM Aca. |
| | 8388/8389 | Honors Digital Electronics A&B** | 11-12 | Principles of Engineering |
| | 8432/8433 | STEM Honors Digital Electronics A&B** | 11 | Admission to Eng STEM Aca. |
| | 8426/8427 | Honors Aerospace Eng A&B** | 11-12 | Principles of Engineering |
| | 8434/8435 | STEM Honors Aerospace Eng A&B** | 11 | Admission to Eng STEM Aca |
| | 8444/8445 | STEM Honors Engineering Design & Development | 12 | Admissions to Eng STEM Aca |
| | 8390 | Broadcast/Video Productions IA | 9-12 | |
| | 8391 | Broadcast/Video Productions IB | 9-12 | BVP IA |
| | 8392 | Broadcast/Video Productions IIA | 9-12 | BVP IB |
| | 8395 | Broadcast/Video Productions IIB | 9-12 | BVP IIA |
| | 8394 | Broadcast/Video Productions IIIA | 9-12 | BVP IIB |
| | 8397 | Broadcast/Video Productions IIIB | 9-12 | BVP IIIA |
| | 8396 | Broadcast/Video Productions IVA | 9-12 | BVP IIIB |
| | 8399 | Broadcast/Video Productions IVB | 9-12 | BVP IVA |
| | 8401/8402 | Intro. To Healthcare Science A&B | 9-12 | |
| | 8409/8410 | Essentials of Healthcare A&B | 10-12 | Intro to Healthcare Science |
| | 8416/8417 | Sports Medicine A&B | 11-12 | Essentials Healthcare Science |
| | 8418/8419 | Work-based learning Sports Medicine A&B | 12 | Sports Med |

Academic Planning Guide

2017-2018

| Area of Study | Course No. Fall/Spring | Course Title | Grade level | Prerequisite |
|-----------------------|---------------------------|--------------------------------------------|-------------|-------------------------------|
| AP Capstone | | | | |
| | 4600/4601 | AP Seminar*** | 11-12 | AP Language highly encouraged |
| | 4604/4605 | AP Research*** | 12 | AP Seminar |
| Other Courses | | | | |
| | 9304 | Study skills-Workplace IA | 11 | application required |
| | 9305 | Study skills-Workplace IB | 11 | application required |
| | 9306 | Study skills-Workplace IIA | 12 | application required |
| | 9307 | Study skills-Workplace IIB | 12 | application required |
| | 9310 | Teacher Apprenticeship | 11-12 | application required |
| | 0017 | Minimum day | 12 | application required |
| | 8308 | Work Based Learning | 12 | application required |
| World Language | | | | |
| | 5000/5002 | French I A&B | 9-12 | |
| | 5004/5006 | French II A&B | 9-12 | French I A&B |
| | 5007/5008 | French III A&B Honors ** | 10-12 | French II A&B |
| | 5009/5010 | French IV A&B Honors *** | 11-12 | French III A&B |
| | 5013/5014 | AP French Language & Culture A&B*** | 12 | French IV A&B |
| | 5015/5017 | Spanish I A&B | 9-12 | |
| | 5019/5021 | Spanish II A&B | 9-12 | Spanish I A&B |
| | 5130/5131 | ISA Spanish II A&B | 9 | Admission to ISA |
| | 5022/5023 | Spanish III A&B Honors** | 10-12 | Spanish II A&B |
| | 5050/5051 | Spanish III A&B Advanced** | 10-12 | Spanish II A&B Advanced |
| | 5052/5053 | ISA Spanish III A&B Advanced** | 10 | Admission to ISA |
| | 5024/5025 | Spanish IV A&B Honors *** | 11-12 | Spanish III A&B |
| | 5026/5027 | Spanish V A&B Honors*** | 11-12 | Spanish IV A&B |
| | 5028/5029 | AP Spanish Language & Culture A&B*** | 11-12 | Spanish IV A&B |
| | 5056/5057 | ISA AP Spanish Language & Culture A&B*** | 11 | Admission to ISA |
| | 5062/5063 | AP Spanish Literature & Culture A&B*** | 12 | AP Spanish Language |
| | 5073/5074 | ISA AP Spanish Literature & Culture A&B*** | 12 | Admission to ISA |
| | 5030/5032 | Latin I A&B | 9-12 | |
| | 5034/5036 | Latin II A&B | 9-12 | Latin I A&B |
| | 5037/5038 | Latin III Honors A&B** | 10-12 | Latin II A&B |
| | 5043/5044 | AP Latin*** | 11-12 | Latin III A&B |
| | 5045/5046 | Latin V A&B Honors*** | 12 | AP Latin Vergil |
| | 5110/5111 | Chinese I A&B | 9-12 | |
| | 5112/5113 | Chinese II A&B | 9-12 | Chinese I A&B |
| | 5114/5115 | Chinese III Honors A&B** | 9-12 | Chinese II A&B |
| | 5116/5117 | Chinese IV Honors A&B*** | 9-12 | Chinese III A&B |
| | 5120/5121 | AP Chinese Language & Culture A&B*** | 9-12 | Chinese IV or native speaker |

Intro to Business & Tech A&B**For grades 9-12**

This course is the first course 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.

Financial Literacy A&B**Prerequisite: Intro Business Technology****For grades 10-12**

This is the second course in the **Financial Management Services Career Pathway**. In this course, students will learn about career decisions, money management, and consumer rights and responsibilities.

Banking and Investing A&B**Prerequisite: Financial Literacy or JR/SR status****For grades 11-12**

This course is the third course in the **Financial Management Services Career Pathway**. Using project-based instruction, students are introduced to the basics of the banking system, bank operating procedures, negotiable instruments and the deposit and credit functions of banks. Methods used for measuring the financial performance of banks are analyzed. Current issues and future trends in banking are examined. Students explore the major functions of bank employees by completing a flow-of-work simulation. Students formulate business and individual investment decisions by comparing and contrasting a variety of invest-

ment options. Students analyze annual reports, predict growth rates and chart trend lines.

Work-Based Learning A&B**Prerequisite: Application required****For grade 12**

Work based learning is an opportunity for students who work (paid or unpaid) to earn course credit for applying skills from their coursework. Students must average 5 hours per week and the position must directly relate to a course taken during high school.

Study Skills-Workplace I & II A&B**Prerequisite: Application required****For grades 11-12**

This course, formerly called Mentorship, is for students who would like to assist in an administrative office and is designed to provide the students with skills required for successful performance in an administrative support position. This course will include training and work based experience in a school office environment.

Teacher Apprenticeship A&B**Prerequisites: Application required****For grades 11-12**

This course provides an opportunity to mentor younger students in a public school setting, explore the teaching profession, and gain insight into the learning process and how people learn differently. Students with good attendance, average-to-above average grades, and satisfactory conduct will be accepted into the program.

AP Capstone Courses

In order to earn the AP Capstone Diploma, students must score a 3 or above on both the AP Seminar and AP Research exams as well as a 3 or above on 4 other AP Exams of their choosing.

AP Seminar**Prerequisites: AP English Language is highly encouraged****For grades 11-12**

In AP Seminar students will engage with complex academic and real-world issues, examining them through multiple lenses and considering multiple viewpoints. The topics may change from year to year depending on student and teacher interests, global and civic issues, academic questions, and concepts from other AP courses. Students will evaluate multiple viewpoints through several of the following lenses: cultural and social, artistic and philosophical, political and historical, environmental, scientific, futuristic, and ethical. Through inquiry and investigation, students will develop their own perspectives on complex issues and topics while honing their critical and creative thinking skills. During the course, students will complete a team research project and presentation, an individual research project and presentation, and an end-of-course exam in which they will analyze, compare and synthesize arguments.

AP Research**Prerequisites: AP Seminar****For grade 12**

AP Research allows students to deeply explore an academic topic, problem or issue of individual interest. Through this exploration, students design, plan and conduct a year-long research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

English

All students must earn 4 units of English credit 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-Oxford vocabulary series is utilized to help students prepare for the PSAT and SAT. All students are required to complete summer readings and assignments.

Ninth Literature/Composition 91 A&B Honors****Prerequisites: Teacher recommendation****For grade 9**

This honors-level class prepares able and ambitious readers and writers for AP and/or honors level courses throughout high school English. 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 narrative, and persuasive essays, as well as advanced vocabulary and grammatical activities. Additionally, students are required to read a minimum of 8 parallel and/or teacher-directed longer pieces of literary merit over the course of the year (including summer reading). Students will take the state Georgia Milestones EOC at the end of the course.

Ninth Literature/Composition 92 A&B**For grade 9**

This college preparatory level course readies students for challenging English courses throughout high school and emphasizes critical thinking skills in particular. Students are expected to read literature from various genres, to write assignments such as literary analysis, personal narrative, and persuasive essays, as well as to complete college preparatory vocabulary and grammatical activities. Additionally, students must read a minimum of 7 parallel and teacher-directed longer pieces of literary merit over the course of a year (including summer reading). Students will take the state Georgia Milestones EOC at the end of the course.

Ninth Literature/Composition ESOL A&B**Prerequisites: Identified ESOL****For grade 9**

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 students.

AP Language/ World Lit A&B*****Prerequisite: 1 unit of 9th Lit/Comp & teacher recommendation****For grade 10**

AP Language is designed for high-achieving students who are willing to read and write extensively. AP Language differs from AP Literature in its focus on prose writing, historical and contemporary, fiction and non-fiction. In addition, students are trained to understand a writer's choice in diction, syntax, and tone. Students are also asked to write in a wide variety of forms, including narrative, expository, and argumentative. Students also take on a variety of subjects ranging from personal experience to political analysis, from imaginative literature to popular culture.

World Literature/Composition 101 A&B Honors****Prerequisites: 1 unit of 9th Lit/Comp & Teacher recommendation****For grade 10**

This honors-level class prepares able and ambitious readers and writers for an AP or honors level track throughout high school English. Designed to emphasize critical thinking and analytical writing skills, the course covers literature from various genres, and students complete a variety of writing assignments and advanced vocabulary and grammatical activities. Additionally, students are required to read a minimum of 8 parallel and teacher-directed longer pieces of literary merit over the course of the year (including summer reading).

World Literature/Composition 102 A&B**Prerequisites: 1/2 unit of 9th lit/comp****For grade 10**

This is a college preparatory course which develops descriptive, narrative, expository, and persuasive writing skills, including grammar, mechanics, and usage. Students study a variety of authors and selections from world literature, including poetry, short stories, novels, drama, and mythology. Additionally, students are required to read a minimum of 7 parallel and teacher-directed longer pieces of literary merit over the course of the year (including summer reading).

World Literature/Composition ESOL A&B**Prerequisites: Identified ESOL & 1/2 unit of English credit****For grade 10**

This course contains the same curricular objectives for World Literature/Composition. Adaptation in presentation is made to accommodate the needs of ELL students. This course is designed for college bound students.

AP Language/American Literature A&B*****Prerequisite: 1 unit Ninth Lit ,1 unit World Lit & Teacher rec.****For grade 11**

The AP Language/American Literature course is designed to build upon the writing and analysis skills learned in Honors World Literature. The focus of the course is writing, historical and contemporary fiction, and non-fiction. Students are trained to understand writer's choices in diction, syntax, and tone and to write in a wide variety of forms, including narrative, expository, and argumentative subjects ranging from personal experience to political analysis, and from imaginative literature to popular culture. This course fulfills the graduation requirement for American literature, including the Georgia Milestones EOC.

American Literature 111 (LA) A&B Honors**

Prerequisite: AP Language/World Literature A&B

For grade 11

The Honors American Literature (LA) course is designed to build upon writing and analysis skills learned in AP Language, the prerequisite for the class. Designed to emphasize critical thinking and analytical writing skills, the course is a chronological study of American Literature. Students complete assignments such as a research paper, literary analysis, and argumentative essays, as well as advanced vocabulary and language activities. Students will take the state Georgia Milestones EOC at the end of the course.

American Literature 111 A&B Honors**

Prerequisite: 1 unit of English & teacher recommendation

For grade 11

This honors level class prepares able and ambitious readers and writers for continued study in AP and honors English classes. Designed to emphasize critical thinking and analytical writing skills, the course is a chronological study of American Literature. Students complete assignments such as a full-length research paper, literary analyses, and argumentative essays as well as advanced vocabulary and language activities. Additionally, students are required to read a minimum of 8 parallel and/or teacher-directed longer pieces of literary merit over the course of the year (including summer reading). Students will take the state Georgia Milestones EOC at the end of the course.

American Literature 112 A&B

Prerequisite: 1 unit of Ninth Lit/Comp & 1/2 unit World Lit/Comp &

For grade 11

This is a college preparatory course which covers American Literature chronologically. Students complete assignments such as a full-length research paper, literary analyses, and argumentative essays as well as vocabulary and grammatical activities. Additionally, students are required to read a minimum of 7 parallel and teacher-directed longer pieces of literary merit over the course of the year (including summer reading). Students will take the state Georgia Milestones EOC at the end of the course.

British Literature/Composition 121 A&B Honors**

Prerequisites: 1 unit 9th Lit/Com, 1 unit Am. lit., 1 additional unit of English & teacher rec.

For grade 12

This is an accelerated college preparatory course designed for the student who has a serious interest in interpreting literature. The course offers opportunities to improve reading, writing, speaking/listening, and critical thinking skills through the study of literary selections from British writers, and is organized chronologically. Students complete assignments such as a research paper, literary analyses, and argumentative essays and advanced vocabulary and grammatical activities. Additionally, students are required to read a minimum of 8 parallel and teacher-directed longer pieces of literary merit over the course of the year (including summer reading).

British Literature 122 A&B

Prerequisites: 1 unit 9th Lit, 1/2 unit World Lit, 1 unit American Lit.

For grade 12

This is a college preparatory course which readies students for challenging English courses throughout college and emphasizes critical thinking skills in particular. The course covers British literature chronologically, and students must complete writing assignments such as a full-length research paper on a literary topic, literary analyses and argumentative essays as well as vocabulary and grammatical activities. Additionally, students are required to read a minimum of 7 parallel and teacher-directed longer pieces over the course of the year (including summer reading).

AP Literature A&B***

Prerequisites: 1 unit 9th lit, 1 unit of Am Lit, 1 unit Eng Lit, and teacher rec.

For grade 12

AP Literature/Composition is a college level course that focuses on the reading and analysis of literary works, the writing of critical essays, independent learning, and extensive discussion. The course is a novel-based course along with an intensive study of poetry. Works studied will range from sixteenth century through contemporary literature. Composition is also a main focus in this class in conjunction with the understanding of style found in literature. This course conforms to the College Board recommendations; a syllabus has been approved and is on file with College Board.

Mythology Honors**

For grades 11-12

This one semester honors level elective course introduces the importance of myths and talks of classical mythology, focusing on comparative study of plot, characters, themes and figurative devices. The course emphasizes the following: critical and analytical skills, vocabulary development, a study of the influences of Greek, Roman and Norse word origins on the English language, and composition. The study of the relationship between people and their societies is a major emphasis, along with the impact of mythology on the literary world.

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 this 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.

| TRACK | Freshman | Sophomore | Junior | Senior |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Honors/AP | 9 th Lit/Comp 91 Honors Or 9th Lit/Comp 91 Honors-ISA | *AP Language/Comp (see below) | American Lit/Comp 111 (LA) Honors (C or lower = move to on-level Eng. Lit. 122) | AP English Lit/Comp |
| | 80 or below = possibility of moving to on-level 10 th World Lit. 102) | 10 th World Lit/Comp. 101 Honors (C or lower= move to on-level Am. Lit 112) | *AP Language/American Lit (see below) OR American Lit/Comp 111 Honors | British Lit/Comp 121 Honors Or AP English Literature/Comp |
| Honors | 9 th Lit/Comp 91 Honors (80 or below = possibility of moving to on-level World Lit 102) | 10th World Lit/Comp 101 Honors | American Lit/Comp 111 Honors | British Lit/Comp. 122 |
| 2-Level | 9 th Lit/Comp 92 (A = possibility of moving to Honors World Lit./Comp. 101) | 10 th World Lit/Comp 102 | American Lit/Comp. 112 | |
| Small Group (based upon IEP) | 9 th Lit/Comp (SC) | World Lit/Comp(SC) | American Lit/Comp(SC) | British Lit/Comp(SC) |
| <p>4 Units of English Required</p> <p>Must include:</p> <ul style="list-style-type: none"> 1.0 unit of 9th Literature/Composition and 1.0 unit of American Lit/Comp or AP Lang/Amer. Lit <p>NOTES:</p> <ul style="list-style-type: none"> Students in Honors 9th grade Lit./Comp. have the possibility of taking AP Language in 10th grade OR 11th grade depending on their English grades. Students cannot take AP Language both sophomore and junior years. For each English class, there are a minimum of three parallel readings each semester. The research paper is written during the 2nd semester of American Lit. and 1st semester in English Lit. A research paper is also a component of AP English Language and Composition. | | | | |

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 Ed, Modern Language, Latin and/or Fine Arts.

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 principals 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**Prerequisite: Visual Arts Comprehensive****For grades 9-12**

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.

Visual Arts: Drawing & Painting I A&B**Prerequisite: Drawing I or VS Comp Y in 8th grade****For grades 10-12**

This course, which serves as the second year in the **Visual Arts Pathway**, introduces drawing and painting techniques and a variety of drawing and painting media. Emphasizes development of drawing and painting skills from observation and utilizes problem solving skills to achieve desired results. Stresses critical analysis of master paintings and drawings of different styles and historical periods.

Visual Arts: Drawing II A & B**Prerequisite: Draw& Paint****For grades 10-12**

This course, which serves as the third year in the **Visual Arts Pathway**, enhances skills developed in Drawing I and provides further exploration of drawing media. It reinforces basic drawing and critical analysis skills for responding to master drawings of different historical styles and periods. Examines solutions to drawing problems through student drawings and those of other artists.

AP Visual Arts: General A&B*****Prerequisite: Teacher Recommendation****For grades 11-12**

This year-long class is designed for serious art students who may pursue a career in the visual arts field. This class requires significant out of class time and commitment. A portfolio can be done in one of three areas: Drawing, 2D design or 3D design. Drawing, printmaking, painting, mixed media, ceramics, sculpture, and or photography are the major areas of study. Personal artistic style development is encouraged.

Women's Concert Choir/Women's Chorale**Prerequisite: Audition****For grades 9-12**

Women's Concert Choir and Chorale are vocal ensembles for all first year women in Walton Chorus. The two classes combine for performances. Women's Concert Choir performs four concerts a year and is evaluated at the Georgia Music Educators Association Performance Evaluations. These performances are extensions of chorus class and attendance is expected. Students are expected to purchase concert attire and parents are encouraged to be active members of the Chorus Booster Club. Singers develop higher level thinking skills as well as life skills through the choral arts. Emphasis is on vocal development, choral blend, and music reading. Women's Choir is a year long course.

Bel Canto**Prerequisite: Audition****For grades 10-12**

Bel Canto is an advanced women's chorus for females who have mastered the choral, vocal, music reading and rehearsal skills learned in Women's Concert Choir. Students in Bel Canto learn music independently with an emphasis on performing at a high level of choral artistry. Bel Canto performs four concerts a year and is evaluated at the Georgia Music Educators Association Performance Evaluation. These performances are extensions of chorus class and attendance is expected. Members of Bel Canto are eligible to participate in the Walton Tour Choir. Bel Canto is a year long course.

Camerata Singers**Prerequisite: Audition****For females grades 11-12 and males grades 10-12**

Intermediate mixed chorus (men and women). Students must enroll Fall and Spring semesters and are expected to purchase concert attire. Students in this choir continue to develop vocal, choral and music reading skills and demonstrate a commitment to the choral arts. This choir performs four concerts a year and is evaluated at the Georgia Music Educators Association Performance Evaluation. These performances are extensions of chorus class and attendance is expected. Camerata Singers strive for excellence, individual growth and individual responsibility, and teamwork. Members also perform as Walton Men's Ensemble, Walton's Varsity Women's Ensemble and Walton Varsity Choir. Camerata Singers is a year long course. Members of Camerata Singers are eligible to participate in Walton Tour Choir.

Mannerchor

Prerequisite: Audition

For grades males 9

Intermediate chorus for male students in ninth grade or new to Walton chorus. Mannerchor performs four concerts a year and is evaluated at the Georgia Music Educators Association Performance Evaluations. These performances are extensions of chorus class and attendance is expected. Students in Mannerchor also perform as part of the Walton Men's Ensemble and occasionally with Camerata Singers. Students are expected to purchase concert attire and parents are encouraged to be active members of the Chorus Booster Club. Singers develop higher level thinking skills as well as life skills through the choral arts. Emphasis is on vocal development, choral blend and music reading. Mannerchor is a year long course.

Select Women's Vocal Ensemble

Prerequisite: Audition

For grades 10-12

Advanced choral ensemble for female vocal students who demonstrate advanced proficiency in music reading, choral tone and rehearsal skills. Students in this choir are expected to practice independently outside class and encouraged to audition for All-State Chorus. Membership in Select Women's Ensemble requires additional time and commitment in rehearsals and performances. The purchase of concert attire as well as performances outside the school day are required. Auditions are held in May and students must participate in Walton Chorus for one year prior to auditioning. Select Women's Vocal Ensemble is a year long course. Members are eligible to participate in Walton Tour Choir.

A Cappella

Prerequisite: Audition

For grades 10-12

Walton's most advanced choral ensemble consisting of men and women who demonstrate advanced proficiency in music reading, choral tone and rehearsal skills. Membership in A Cappella requires additional time commitment in rehearsals and performances. A Cappella performs at GMEA Class A literature and represents Walton in school and community events. Auditions are held in May and students must participate in Walton Chorus for one year prior to auditioning. A Cappella is a year long course. Members are eligible to participate in Walton Tour Choir.

Concert Band II

Prerequisite: Audition

For grades 9-12

Band is a performance group for wind and percussion players. Students must have previous experience on a band instrument to enroll. Students must enroll Fall and Spring semesters. This class will emphasize individual and ensemble musicianship and performance skills. Students are expected to perform in evening concerts as an extension of this class. Marching band is an extracurricular extension of the Fall semester. Students in marching band are expected to attend rehearsals prior to the opening of school as well as numerous after-school rehearsals and performances during the semester. Concert Band II is a year long course.

Concert Band I

Prerequisite: Audition

For grades 9-12

Concert Band I enhances Level One skills and provides further opportunities for intermediate-level performers to develop reading techniques and increase performance skills on a wind or percussion instrument. Includes performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Stresses individualized progress and learning as well as ensemble experiences. Literature is performed on the Georgia Level III-IV difficulty. Concert Band I is a year long course.

Symphonic Band II

Prerequisite: Audition

For grades 9-12

This band provides opportunities for advanced-level performers to increase, develop and refine performance skills and precision on a wind or percussion instrument. Includes performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses individual progress and learning and ensemble experiences, strengthening music reading skills. Literature performed is Georgia Level IV-V difficulty. Some after-school rehearsals will be required during second semester. Symphonic Band II is a year long course.

Symphonic Band I

Prerequisite: Audition

For grades 9-12

This band provides opportunities for advanced-level performers to increase, develop and refine performance skills and precision on a wind or percussion instrument. Includes performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses individual progress and learning and ensemble experiences, strengthening music reading skills. Literature performed is Georgia Level V-VI difficulty. Some after-school rehearsals will be required during second semester. Symphonic Band I is a year long course.

Freshman Level Orchestras (Dorian & Aeolian)

Prerequisite: Audition

For grades 9

Freshman Level Orchestras are intermediate string ensembles for freshman who play violin, viola, cello or double bass. The techniques of string playing are stressed within the context of musical performance (Georgia Level III or IV music difficulty). Rehearsals are held during the curricular school day, with an occasional afternoon rehearsal before concerts. Performances are usually in the evening. Freshman Orchestras are year long courses.

Sinfonia

Prerequisite: Audition

For grades 9-12

Sinfonia is an advanced orchestra for violin, viola, cello and double bass students. Admission to this group is by audition only. Advanced techniques of string players are stressed within the context of music performance (Georgia Level IV or V music difficulty). Rehearsals are held during the curricular school day, with an occasional afternoon rehearsal before concerts. Performances are usually in the evening, Private les-

Serenade Level Orchestras (Ionian & Locrian)

Prerequisites: Audition

For grades 10-12

Serenade level orchestras are intermediate string ensembles for sophomore, junior or senior students who play violin, viola, cello, or double bass. The techniques of string playing are stressed within the context of music performance (Georgia Level III music difficulty). Rehearsals are held during the curricular school day, with an occasional afternoon rehearsal before concerts. Performances are usually in the evening. Serenade level orchestras are year long courses.

Philharmonia

Prerequisites: Audition

For grades 9-12

Philharmonia is an advanced orchestra for violin, viola, cello and double bass students. Admission to this group is by audition only. This award-winning group performs music with advanced techniques of string playing (Georgia Level VI music difficulty). Woodwind, brass and percussionists from the Symphonic Band I may join the strings to form a full orchestra. After school or evening rehearsals are required in addition to evening concerts. Private lessons are strongly recommended. Philharmonia is a year long course.

Chamber Orchestra

Prerequisite: Audition

For grades 9-12

Chamber Orchestra is Walton's most advanced orchestra. Admission to this group is by audition only. This award-winning group performs standard, professional, orchestral, string and chamber music at the highest level of difficulty. Woodwind, brass and percussion students from the Symphonic Band I may join the strings to form a full orchestra. After school or evening rehearsals are required in addition to evening concerts. Private lessons are recommended. Chamber Orchestra is a year long course.

AP Music Theory***

Prerequisites: Teacher recommendation

For grades 11-12

AP Music Theory conforms to College Board topics for the Advanced Placement Music Theory Examination. It covers terminology and notational skills, writing skills, visual analysis and aural skills, and stresses ear training and compositions practice. This class analyzes and composes music from the classical period so that students can analyze its influence on current music trends.

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. The class will also cover the technical aspects of running a sound board as well as programming and running a light board. This course is an academic elective and does not satisfy English requirements for graduation.

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

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

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 Spanish III Advanced A&B: The Humanities-Art & History**

Prerequisites: ISA Spanish II & concurrent enrollment in ISA AP Government/ISA AP Microeconomics
Grade 10

The International Spanish Academy Spanish III Advanced course is an extremely accelerated course designed to complete the expectations of level III & IV in one year. The language skills and communicative competence will continue to rapidly develop through the study of the Humanities with a particular emphasis on Art and History of the Spanish speaking world.

ISA AP Spanish Language A&B***

Prerequisite: ISA Spanish III Adv & Admission to ISA
For grade 11

This course conforms to the College Board topics for the Advanced Placement Spanish Language Examination. It emphasizes the ability to comprehend formal and informal spoken Spanish, to acquire the vocabulary and grasp of structure to read newspapers, magazines and Hispanic literature to compose expository passages, and to speak accurately and fluently. The major means of communication is in the target language. This course will also maintain its commitment to and collaboration with the Ministry of Education of Spain as a course within Walton's International Spanish Academy.

ISA AP Spanish Literature A&B***

Prerequisite: ISA AP Spanish Language
For grade 12

This course conforms to College Board required authors and selected works for the Advanced Placement Spanish Literature Examination. It emphasizes the ability to understand a lecture in Spanish and discuss literary topics in Spanish, to read Hispanic literary texts in all genres, and to analyze criti-

cally the content of literary works, orally and in writing using appropriate terminology. This course will also maintain its commitment to and collaboration with the Ministry of Education of Spain as a course within Walton's International Spanish Academy.

ISA Ninth Literature/Composition 91 A&B Honors**

Prerequisites: Admission to ISA program & Spanish I credit

For grade 9

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 MILESTONES EOC at the end of the course.

ISA AP Government***

Prerequisite: ISA Ninth grade courses

For grade 10

This course conforms to the College Board topics for the Advanced Placement Government Examination. The AP Government program is a heavily case study based analysis of our political system equivalent to most introductory level college courses in political science. Topics covered include federalism, separation of powers, influences on the formulation and adoption of the Constitution, political beliefs, political parties and elections, interest groups, institutions and policy processes, and civil liberties and civil rights. This course will be taught in both English and Spanish. It will maintain its commitment to the Ministry of Education of Spain as a course within the International Spanish Academy.

ISA H Economics***

Prerequisite: Ninth grade ISA courses

For grade 10

Fundamental concepts and essential elements of the market economic system in a problem/issue orientation. Issues such as economic growth, productivity, the impact of government on the economy, foreign trade, and rights and responsibilities of individual consumers are explored. Basic principles studied include: Opportunity Costs and Scarcity, Supply/demand analysis, competitive markets, Macroeconomics measurement, Business cycles, Inflation, Unemployment, Monetary and Fiscal Policies, Comparative, Advantage and International trade. This course will be taught in both English and Spanish. Students will take the state required Georgia Milestones EOC at the end of the course. It will maintain its commitment to the Ministry of Education of Spain as a course within the International Spanish Academy.

ISA AP United States History A&B***

Prerequisite: ISA AP Govt/Microecon & ISA Spanish III

For grade 11

This course conforms to the College Board topics for the Advanced Placement United States History Examination. It covers discovery and settlement, colonial society, the American revolution, Constitution and New Republic, Age of Jefferson, Nationalism, Sectionalism, Territorial Expansion, Civil War, Reconstruction, Industrialization, progressive Era, World War I, Depression, New Deal, World War II, The Cold War through modern times. Students will take the state GEORGIA MILESTONES EOC at the end of the course. This course will be taught primarily in Spanish.

ISA AP Literature A&B***

Prerequisites: 1 unit 9th lit, 1 unit of Am Lit, 1 unit Eng Lit, all ISA Spanish courses and teacher rec.

For grade 12

AP Literature/Composition is a college level course that focuses on the reading and analysis of literary works, the writing of critical essays, independent learning, and extensive discussion. The course is a novel-based course along with an intensive study of poetry. Works studied will range from sixteenth century through contemporary literature. Composition is also a main focus in this class in conjunction with the understanding of style found in literature. This course conforms to the College Board recommendations; a syllabus has been approved and is on file with College Board. This class is the final content course of the ISA and will be conducted in both English and Spanish.

| 9th grade | 10th grade | 11th grade | 12th grade |
|-----------------------------------------------------------|--------------------------------------------------------------|-----------------------------|-------------------------------|
| 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 Ninth Grade Literature/Composition 91 Honors A & B | ISA AP Government & ISA H Economics | ISA AP US History A&B | ISA AP English Literature A&B |

↻ Mathematics ↻

Four units of Mathematics study is required. All students in non-AP level math courses will have a summer assignment that must be completed by the first day of school. A graphing calculator (TI-84) is required for ALL math classes. There are a limited number available for student check out but it will be advantageous to purchase for student use.

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

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**Prerequisite: Math 8 & teacher recommendation****For grade 9**

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**Prerequisite: Math 8, teacher rec.****For grade 9**

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**Prerequisite: concurrent enrollment in GSE Algebra I A&B****For grade 9**

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****Prerequisite: Math 8 Enriched & teacher recommendation****For grade 9**

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**Prerequisite: GSE Algebra I****For grade 10**

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

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

GSE Geometry Support A&B

Prerequisite: concurrent enrollment in GSE Geometry

For grade 10

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 should be taught concurrently with a student's regular GSE Geometry course. This course is an academic elective credit only and does not fulfill the mathematics requirements for graduation.

GSE Geometry 93 A&B

Prerequisite: GSE Alg 93, teacher recommendation & concurrent enrollment in GSE Geom Support 93

For grade 10

This course includes the same topics of study included in GSE Geometry 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 Geometry 93 Support A&B

Prerequisite: Concurrent enrollment in GSE Geom 93

For grade 10

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 should be taught concurrently with a student's regular GSE Geometry 93 course. This course is an academic elective credit only and does not fulfill the mathematics requirements for graduation.

GSE Honors Geometry A&B**

Prerequisite: GSE Coord. Algebra Enriched & Teacher recommendation

For grade 10

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

GSE Accelerated Geometry/Algebra II A&B**

Prerequisite: GSE Accelerated Alg/Geom & Teacher rec

For grade 9-10

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.

Students will take the state Georgia Milestones EOC for Geometry at the end of the first semester.

GSE Algebra II A&B

Prerequisite: GSE Geom & teacher recommendation

For grade 11

This is the third in a sequence of mathematics courses designed to ensure that students are college and work ready. It requires students to:

- Analyze polynomial functions of higher degree;
- Explore logarithmic functions as inverses of exponential functions;
- Solve a variety of equations and inequalities numerically, algebraically, and graphically;
- Use system of equation and linear programming to represent and solve problems
- Solve problems by interpreting a normal distribution as a probability distribution;
- Design and conduct experimental and observational studies;
- Rational, absolute value and piecewise functions;
- Radicals and Rational Exponents

GSE Algebra II Support A&B

Prerequisite: GSE Geom & teacher recommendation

For grade 11

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 should be taught concurrently with a student's regular GSE Algebra II course. This course is an academic elective credit only and does not fulfill the mathematics requirements for graduation.

GSE Honors Algebra II A&B**

Prerequisite: GSE Hon Geom or GSE Geom & teacher recommendation

For grade 11

This course includes the same topics of study included in Algebra II 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 Precalculus BC A&B**

Prerequisite: GSE Acc Geo/Algebra II or GSE Honors Algebra II & Teacher rec

For grade 10-11

This is the third in the sequence of mathematics 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:

- Continue the study of conics, including systems of quadratic equations and using the discriminant
- Analyze and use trigonometric functions, their graphs, and their inverses
- Use trigonometric identities to solve problems and verify equivalency statements
- Solve trigonometric equations analytically and with technology
- Solve problems and verify equivalency statements using sum and difference formulas, double-angle and half-angle formulas, sum-to-power rule and power-to-sum rule
- Use complex numbers in trigonometric form
- Understand and use vectors in 2-space and 3-space. Use dot product and cross-product to solve problems
- Use sequences and series
- Explore parametric representations of plane curves in 2 and 3-space
- Explore polar equations
- Explore matrices and use matrices in applications
- Law of Sines/Cosines
- Understand and use vectors
- Use binomial theorem to calculate probability and expand binomials
- Explore set theory
- Develop the use of proofs, including direct proofs, indirect proofs and proof by induction
- Expand knowledge of rational functions, including partial fraction decomposition

GSE Accelerated Precalculus AB A&B**

Prerequisite: GSE Acc Geo/Algebra II or GSE Honors Algebra II & Teacher rec

For grade 10-11

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

- Continue the study of conics, including systems of quadratic equations
- Development and application of the Unit Circle
- Analyze and use trigonometric functions, their graphs, and their inverses
- Find areas of triangles using trigonometric relationships
- Use trigonometric identities to solve problems and verify equivalency statements
- Solve trigonometric equations analytically and with technology
- Solve problems and verify equivalency statements using sum and difference formulas, double-angle and half-angle formulas
- Use complex numbers in trigonometric form
- Understand and use vectors
- Explore polar equations
- Explore matrices and use matrices in applications
- Find the probability of compound events using probability rules
- Understand and use expected value
- Law of Sines/Cosines

GSE PreCalculus

Prerequisites: GSE Algebra II

For grade 12

This is a fourth year mathematics course designed to prepare students for calculus and other college level mathematics courses. It requires students to:

- Investigate all four of the conic sections
- Develop and apply the Unit Circle
- Analyze and use trigonometric functions, their graphs and their inverses
- Solve trigonometric equations
- Use trigonometric functions to solve problems and verify equivalency statements
- Apply the sum and difference formulas and double angle formulas
- Explore matrices and use matrices in applications
- Find the probability of compound events using probability rules
- Understand and use expected value

AP Calculus AB***

Prerequisite: Acc Precalc BC or Acc Precalc AB & teacher recommendation

For grade 11-12

This course conforms to the College Board topics for the Advanced Placement Calculus AB Examination. Topics covered include functions, graphs, limits, derivatives, differential calculus, and integral calculus.

AP Calculus BC***

Prerequisite: AP Calculus AB or Acc Precalculus BC & Teacher rec

For grade 11-12

This course conforms to the College Board topics for the Advanced Placement Calculus BC Examination. Topics covered include functions (including parametric, polar and vectors), graphs, limits, derivatives, integrals, polynomial approximation and series.

Multivariable Calculus***

Prerequisites: AP Calculus BC

For grade 11 or 12

This course is a continuation of calculus and includes topics such as vectors, vector functions, partial derivatives, multiple integrals and vector calculus.

AP Statistics

Prerequisites: GSE Hon Geom or Accelerated Geom/Alg II

For grades 10-12

This course conforms to the College Board topics for the Advanced Placement Statistics Examination. Students learn to make decisions based on real-world data. They learn to plan studies and experiments using probability and simulation models to anticipate and predict patterns in data. Extensive use is made of calculators with statistical capabilities. This course covers four major themes: Exploratory analysis, planning a study, probability and statistical inference.

| Freshman | Sophomore | Junior | Senior |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------|
| Accel GSE Geo/Alg II | GSE Accel PreCalculus BC Or GSE Accel Precalculus AB | AP Calculus BC AP Calculus AB | Multivariable Calculus AP Calculus BC |
| GSE Honors Geometry | GSE Honors Algebra II | GSE Accel Precalculus AB | AP Calculus AB |
| GSE Honors Algebra I | GSE Honors Geometry and GSE Honors Algebra II | GSE Accel Precalculus AB | AP Calculus BC AP Calculus AB |
| GSE Algebra | GSE Honors Geometry | GSE Honors Algebra II | GSE Accel PreCalculus AB |
| GSE Algebra and Algebra I Support | GSE Geometry | GSE Algebra II | GSE PreCalculus |
| GSE Algebra 93 and Foundations of Algebra 93 | GSE Geometry and GSE Geom Support (elective credit) | GSE Algebra II And GSE Algebra II Support (elective credit) | GSE PreCalculus Or 4 th year option |
| GSE Algebra (SG) and Foundations of Algebra (SG) | GSE Geometry 93 and GSE Geom Support 93 (elective credit) | GSE Algebra II And GSE Algebra II Support (elective credit) | GSE PreCalculus Or 4 th year option |
| | GSE Geometry (SG) and GSE Geom Sppt (SG) (elective credit) | GSE Algebra II (SG) and GSE Algebra II Support (SG) | GSE Precalculus (SG) Or 4 th year option |
| | <ul style="list-style-type: none"> Statistics can be taken any time after successful completion of GSE Accel Geo/Alg II or GSE Honors Geometry as an 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.

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.

Outdoor Education A&B**For grades 10-12**

This course promotes an appreciation for the outdoors, provides physical activities and adventures in an outdoor laboratory. It introduces the student to outdoor survival, camping, cooking, wilderness/wildlife, orienteering, map making, hunting, gun safety, archery, fishing, project adventure, and hiking. The student's grade will be based on demonstrating outdoor skills.

Weight training A&B**For grades 9****Advanced Weight training A&B****For grade 10****Physical Conditioning A&B****For grade 11****Advanced Physical Conditioning A&B****For grades 12****Exercise and Weights A&B****For grades 10-12**

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.

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.

Sciences

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.

Physics I Honors A&B****Prerequisite:** concurrent with GSE Alg Enr. & Teacher rec.**For grade 9-10**

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**Prerequisite:** Concurrent w/ GSE Algebra**For grade 9**

This course follows the same principles and general topics as Freshman 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.

Physical Science 93 A&B**Prerequisite:** teacher recommendation**For grade 9**

Physical Science is a survey course which gives students an overview of basic concepts of physics and chemistry and an introduction to the scientific method. Concepts are reinforced by appropriate laboratory activities. Students are required to take the state Georgia Milestones EOC.

Biology 101 A&B Honors****Prerequisite:** teacher rec. and accelerated standing or teacher rec and concurrent with GSE Honors Geom.**For grades 10**

Biology 101 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. Biology 101 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.

Biology 102 A&B**Prerequisite:** one unit of science credit**For grades 10**

Biology provides an introduction to biological processes. Starting at the molecular level the structures and functions both unique and common to various life forms will be examined and compared. Study topics will include biological molecules, energy processes, cellular structure, genetics and reproduction, biological diversity, behavior and adaptation, and ecology. Laboratory exercises will provide hands-on opportunities to increase knowledge and skills in both biology and the design of controlled experiments. Students are required to take the state Georgia Milestones EOC.

Biology 103 A&B**Prerequisite:** teacher rec**For grade 10-12**

The fall semester of this course will introduce the topics of cellular structure and function, genetics, and the development and diversity of life. The spring semester of this course will deal with the classification of living things, a survey of the five biological kingdoms, and ecology. This course is supplemented with materials not found in the textbook. Students are required to take the state Georgia Milestones EOC.

Human Anatomy/Physiology Honors A&B****Prerequisite:** 1 unit of biology & teacher recommendation**For grade 11-12**

The Anatomy/Physiology course is designed to introduce students to the wonders and intricacies of the human body through a study of the 11 organ systems. The class will concentrate on three themes of study—interrelationships of body organ systems, homeostasis and complementarity of structure and function. Students will analyze the structures of the organs found within each system as a prerequisite to comprehending its function. Pathological conditions are integrated throughout the course to clarify and illuminate normal functioning. This course satisfies the fourth science requirement for graduation.

Human Anatomy and Physiology**Prerequisite:** 1 unit of biology and 1 other science**For grade 11-12**

Human Anatomy and Physiology 112 will introduce students to the structures and functions of all of the human body systems. Depth and breadth of the course will be aligned with Biology 102. Curriculum will be enriched with group case studies, lab dissections and exposure to actual medical procedures. This course satisfies the fourth science requirement for graduation.

Earth Systems 112 A&B

Prerequisite: 1 unit of Biology

For grades 11-12

Earth systems is a laboratory course which studies the hydrosphere, lithosphere, and atmosphere; their composition, structure, and energy; the dynamics between them and their impact upon the earth's inhabitants. The course also presents a holistic view of the Earth and emphasizes the interrelatedness of its systems and how the impact of modern society is influencing the Earth through changes in these systems. This course satisfies the third science requirement for graduation.

Earth Systems 113 A&B

Prerequisite: 1 unit of biology & teacher recommendations

For grades 11-12

Earth Systems is an introductory laboratory-based course designed to study the Earth's composition, structure, and systems. The atmospheric systems and their composition, structure, and energy along with the dynamics among the systems and their impact upon the earth's inhabitants will be explored. The course presents a holistic view of the Earth and emphasizes the interrelatedness of its systems and how the impact of modern society is influencing the Earth through changes in these systems. This course satisfies the third science requirement for graduation.

Astronomy A&B

Pre-requisite: 1 unit of Geometry

For grades 11-12

This course is an introduction to the world's oldest science, astronomy. The topics studied will include the origin of the universe, earth centered cosmology, stellar evolution, the laws of gravity and light, the concepts of space and time travel, current and historical concepts of astronomy observing, and the methodologies and equipment used in modern astronomy along with the historic development of these methods and procedures. This course satisfies the fourth science requirement for graduation.

Forensics A&B

Prerequisite: two units of science & teacher recommendation

For grades 11-12

Forensic science is the use of scientific protocols to analyze a crime scene. Students will learn how to use biological, chemical, and physical separation methods to isolate and identify materials. They will also learn how to analyze physical evidence, biological evidence, and the use of tools, including impressions from firearms, tool marks, and arson. This course satisfies the fourth science requirement for graduation.

Chemistry 112 A&B

Prerequisite: 2 units of science and concurrent with GSE Alg II without math support

For grades: 11-12

Chemistry 112 is a math-based laboratory science class that studies matter from an atomic and molecular level. The interactions between molecules and compounds and how these interactions apply to the world around us are also studied. The topics are periodic trends, bonding, compounds, reactions, states of matter, acid/base chemistry, chemical equilibrium, stoichiometry and thermochemistry. Laboratory investigations are an integral part of the course. Lab safety is stressed throughout the course. This course satisfies the third science require-

ment for graduation but is not required for graduation.

Chemistry 111 A&B Honors**

Prerequisite: 2 units of science or accelerated standing & concurrent with GSE Accel Geom/Adv Alg or Honors Alg II; 1 unit of Honors Biology for 10th grade students

For grades 10-12

Honors Chemistry is designed to help students gain an understanding of basic chemistry principles, develop problem-solving skills, become proficient in the use of scientific methodology, and appreciate the impact of science and technology on society. Topics covered include atomic structure, molecular structure, periodicity, chemical reactions, stoichiometry, thermochemistry, kinetic molecular theory, equilibrium, acids and bases, oxidation-reduction, and nuclear chemistry. Students are expected to actively participate in the learning process. There is an emphasis on collaborative exploration and lab safety. This course will provide the college bound student with the foundation necessary for success in introductory college chemistry. Chemistry 111 is considered a physical science by colleges as it is a math intensive course utilizing higher order thinking skills and problem-solving methods.

Physics 121 A&B Honors**

Prerequisite: 2 units of science & enrollment in GSE Precalculus

For grades 11-12

This course concentrates on the subjects of mechanics, waves and optics, sound and musical acoustics, electricity and magnetism. Laboratory investigations are an integral part of the course. The laws of physics are generalized from observation and experimental results. Since physical laws are usually expressed as mathematical equations, algebraic ability is necessary to understand physics on any level beyond a qualitative description. Problem-solving and critical thinking skills are taught and nurtured.

Physics 122 A&B

Prerequisite: 3 units of science– cannot take concurrent w/ Calc For grade 12

Physics is the laboratory course that examines the various forms of energy and their relation to matter. This course provides a hands-on conceptual overview of various topics in physics. Beginning with the difference between speed and velocity students are introduced to a new way of viewing and describing the world. Physical systems and the understanding of the dynamics between the component parts of those systems will be studied from conceptual, mathematical, and laboratory perspectives. This course, while using algebraic equations as a guide for thought, emphasizes conceptual comprehension.

Biotechnology A&B Honors**

Prerequisite: 1 unit of biology & teacher recommendation

For grades 11-12

Key topics studied in this course include the principles and techniques of genomics, recombinant DNA, proteomics, and gene therapy. Biotechnology is a lab intensive course with hands on experiments 3-5 days per week. The main focus of the lab component is to develop expertise in such lab procedures as volume and mass measurement, safe lab practices, preparing solutions, media and cell cultures, sterile technique, isolating and analyzing DNA and proteins, performing electrophoresis, and using appropriate technology for preparation and analysis of samples.

AP Biology***

Prerequisite: 1 unit Honors Bio, 1 Unit Honors Chem & teacher rec
For grades 11-12

The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. The AP course in biology differs significantly from the usual first high school course in biology with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done by students, and the time and effort required of students. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Specific topics covered include biological chemistry, cells, energy transformations, molecular genetics, heredity, evolution, taxonomy and systems, bacteria, protista, fungi, plants, animals and ecology. This course also prepares students to take the AP Biology exam. Students must be available for WEB labs.

AP Environmental Science A&B***

Prerequisite: 1 unit biology, 1 unit chemistry & teacher rec. or 1 unit of honors biology with accelerated status or concurrent with Chemistry

For grades: 10-12

The Advanced Placement Environmental Science course is designed to be the equivalent of an introductory Environmental Science course at the college level. The goal of the course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze both natural and human made environmental problems, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a variety of topics from biology, chemistry, geology, engineering, and public policy. The course has significant laboratory and fieldwork components. The course prepares students to take the AP Environmental Science exam.

AP Chemistry A&B***

Prerequisite: 1 unit honors chemistry & teacher recommendation
For grades 11-12

AP Chemistry is a college level introductory course in chemistry for those intending to major in a science related field. Materials studied in this course also include the topics, concepts, and laboratory experiments associated with first-year college chemistry and extensive mathematical applications of laws learned in the first year course. The goal of AP Chemistry is to develop critical thinking skills and improve reasoning with regard to topics in chemistry. Topics to be studied include atomic theory and structure, chemical bonding, organic chemistry, gases, liquids, solids, solutions, types of reactions, stoichiometry, equilibrium, kinetics, and thermodynamics. This course prepares students to take the AP Chemistry exam.

AP Physics C– Mechanics A&B***

Prerequisite: 2 units of science, concurrently enrolled in Calculus, & teacher recommendation

For grades 11-12

The Advanced Placement Physics C course is a calculus-based, in-depth study of mechanics. The course is an investigation driven development of the laws of physics. Problem-solving and critical thinking are emphasized throughout the course. The topics of kinematics, dynamics, impulse and momentum, work and energy, rotational motion, oscillations and gravitation are covered in this course. This course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in science, applied science, and engineering. This course prepares students to take the AP Physics C exam in mechanics.

AP Physics C—Emag A&B***

Prerequisite: 3 units of science including 1 unit of physics, concurrent with Calculus & teacher recommendation

For grades: 12

The Advanced Placement Physics C course is a calculus-based, in-depth study of electricity and magnetism. The course is an investigation driven development of the laws of physics. Problem-solving and critical thinking are emphasized throughout the course. The topics of electrostatics, electric fields and forces, electrodynamics, electric potential and capacitance, current and resistance, circuit elements and dc circuits, magnetic fields and forces, magnetic flux, electromagnetic induction, and Maxwell's equations are covered in this course. This course ordinarily forms the second part of the college sequence that serves as the foundation in physics for students majoring in science, applied science, and engineering. This course prepares students to take the AP Physics C exam in electricity and magnetism.

AP Physics 1 A&B***

Prerequisite: 2 units of science, concurrent enrollment in GPS Pre-calculus Enriched or higher math & teacher rec.

For grades 11-12

The Advanced Placement Physics 1 course is equivalent to a first-semester college course in algebra/trigonometry based physics for non-physics majors. Emphasis is placed on the development of critical thinking skills and problem solving ability. Course topics include Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power; and mechanical waves and sound. It also introduces electrical circuits. This course prepares students to take the AP Physics 1 exam. At the conclusion of this course, students will be prepared for either AP Physics 2 or AP Physics Emag dependent on math coursework.

AP Physics 2 A&B***

Prerequisite: 2 units of science, concurrent enrollment in GPS Pre-calculus Enriched or higher math & teacher rec.

For grades 11-12

The Advanced Placement Physics 2 course is equivalent to a second-semester college course in algebra/trigonometry based physics for non-physics majors. Emphasis is placed on the development of critical thinking skills and problem solving ability. Course topics include fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. This course prepares students to take the AP Physics 2 exam.

| | Freshman | Sophomore | Junior | Senior |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accelerated/ Multiple AP possibilities | Honors Biology 101 (Taken concurrently with GSE Honors Geom or higher math) | Honors Chemistry I: 111 (Taken concurrently with Honors Alg II or higher math) <i>A or B avg.</i> Below a B avg. → Any grade below a "D" → AP Environmental Science | AP Biology OR AP Chemistry OR AP Physics C (MUST be taken with AP Calculus) OR AP Physics I OR AP Environmental Science Honors Anat/Physiology OR Honors Physics (must take junior or senior year) Earth Systems and An elective science course | AP Biology OR AP Chemistry OR AP Physics C (Must be taken with AP Calculus) OR AP Physics I OR AP Environmental Science OR Honors Biotechnology Physics |
| Honors | Honors Biology 101 (Taken concurrently with GSE Algebra Enriched or higher math) (Below a C average, will be recommended to Biology 102) | Honors Biology 101 (Taken with GSE Hon Geom or higher math) (Below a C average will be recommended for Chemistry 112) | Honors Chemistry 111 (Taken concurrently with GSE Hon Alg II or higher math) | AP Biology OR AP Chemistry OR AP Physics C (Must be taken with AP Calculus) OR AP Physics I OR AP Environmental Science OR Honors Anatomy-Physiology OR Honors Biotechnology OR Honors Physics 121 |
| 2-Level | Physics I 92 (Taken with GSE Coord Algebra or GSE Coord Alg w/Support) ("A" average can go into Honors Biology 101) | Biology 102 (Taken concurrently with GSE Geometry or GSE Geom with Support) | Chemistry I: 112 (Taken concurrently with GSE Alg II) | Anatomy-Physiology OR Physics 122 OR Earth Systems OR Astronomy OR Forensics |
| 3-Level | Physical Science 93 (Taken concurrently with GSE Coord Alg 93 and Support) | Biology 103 (Taken concurrently with GSE Geom 93 and support) | Earth Systems (Taken concurrently with GSE Alg II and Support) | Forensics OR Anatomy-Physiology OR Chemistry I: 112 OR Astronomy (Taken concurrently with 4th year math course) |
| Graduation Requirement: 1 unit of Biology 1 unit of Physics/Physical Science 1 unit of Chemistry, Earth Systems, Environmental, Science or an AP science course 1 unit of a 4 th Science | <p>Note:</p> <ul style="list-style-type: none"> Students can be recommended up or down levels per teacher recommendation. Waivers are accepted when the prerequisite has been satisfied. 4th science does not necessarily have to be taken senior year. | | | |

~ Social Studies ~

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

World Geography 92 A&B**For grade 9**

World Geography provides an overview of physical and cultural geography. An awareness of similarities and differences in human needs and behaviors is developed. Geographic education focuses on the themes of location on earth's surface, place characteristics, relationships within places (human environments), movement, and regions that lead to an understanding of social, economic, historic, geographical, and physical features of the planet on which we live. This course is an academic elective credit only and does not fulfill the Social Studies requirements for graduation.

AP Human Geography*****Prerequisite: teacher recommendation****For grade 9**

The purpose of the AP course in Human Geography is to provide the students with an in-depth understanding of the earth's regions, religions, languages, recent regional histories, and governments, economic systems, and physical features. By the end of the semester, 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 geography, economic geography, and environmental and development issues. This course is an academic elective credit only and does not fulfill the Social Studies requirements for graduation.

American Government 101 Honors****Prerequisite: teacher recommendation****For grade 10**

Honors American Government involves an in-depth study of United States political system. Students will study the founding principles and the structure of the American governmental system. They will also explore the relationship between citizens and their government. Various landmark Supreme Court rulings will be studied as students examine their civil rights and liberties. Focus areas include: the foundation of the American government, the US Constitution and the rights of citizens, political parties and interest groups, elections and voting, and the three branches of the national government. Curriculum content has been designed for mastery and extension of state and district performance standards.

American Government 102**For grade 10**

American Government focuses on the foundations, structure and functioning of the United States Government. The course examines the American political system including the role of state and local governments within the federal structure. Students will also explore the relationships between citizens and their government including their civil rights and liberties. Focus areas include: the foundations of the American government, the US Constitution and the rights of citizens, political

parties and interest groups, elections and voting, and the three branches of the national government.

American Government 103**Prerequisite: teacher recommendation****For grade 10**

An in-depth study of the American political system. This course focuses on the foundation, principles and structure of the American system of government. It examines the role of political parties, social factors as they relate to the role of the citizen and analyzes the decision-making process that is a part of the system of American political behavior.

AP Government/Politics: US*****Prerequisite: teacher recommendation****For grade 10**

The AP Government Program is a heavily case study based analysis of our political system equivalent to most introductory level college courses in political science. Topics covered include federalism, separation of powers, influences on the formulation and adoption of the Constitution, political beliefs, political parties and elections, interest groups, institutions and policy processes, and civil liberties and civil rights.

AP Government: Comparative* (spring only)****Prerequisite: AP Government US****For grade 10-12**

This course conforms to the College Board topics for the Advanced Placement Comparative Government and Politics Examination. Topics covered include sources of public authority and political power, society and politics, citizen and state, political framework, political change and an introduction to comparative politics. This course is an academic elective credit only and does not fulfill the Social Studies requirements for graduation.

Economics/Business/Free Enterprise 101 Honors****Prerequisite: US History & teacher recommendation****For grade 10**

Economics addresses the fundamental concepts and essential elements of the market economic system in a problem/issues orientation. Issues such as economic growth, productivity, the impact of government on the economy, foreign trade, and rights and responsibilities of individual consumers are explored. Basic principles studied include: Opportunity Costs and Scarcity, Supply/Demand analysis, competitive markets, Macroeconomics measurement, Business cycles, Inflation, Unemployment, Monetary and Fiscal Policies, Comparative, Advantage and International trade. Students will take the state required Georgia Milestones EOC at the end of the course.

Economics/Business/Free Enterprise 102

For grade 10

Economics addresses the fundamental concepts and essential elements of the market economic system in a problem/issues orientation. Issues such as economic growth, productivity, the impact of government on the economy, foreign trade, and rights and responsibilities of individual consumers are explored. Basic principles studied include: Opportunity Costs and Scarcity, Supply/Demand analysis, competitive markets, Macroeconomics measurement, Business cycles, Inflation, Unemployment, Monetary and Fiscal Policies, Comparative, Advantage and International trade. Students will take the state required Georgia Milestones EOC at the end of the course.

AP Microeconomics***

Prerequisite: Honors Geom or higher level or Honors Economics & teacher rec

For grade 10-12

AP Microeconomics is a college level course. Content is primarily focused on basic economic concepts, technical analysis of business costs and production, competition, market dynamics, economic measurement, and government policies. Students should be well versed in mathematical concepts and graphical analysis. This course fulfills the graduation requirement for economics. Students will take the state required Georgia Milestones EOC at the end of the course.

AP Macroeconomics* (spring only)**

Prerequisite: AP Microeconomics or Honors Economics with teacher recommendation

For grade 10-12

AP Macroeconomics is a college level course. The purpose of AP Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. This course is an elective credit only and does not fulfill the requirements for graduation.

US History 111 A&B Honors**

Prerequisite: teacher recommendation

For grade 11

This course investigates the United States, its people, institutions, and heritage. It emphasizes political, cultural, and social issues, the role of the United States as a world leader and the issues confronting the United States today. At the honors level, there is more in-depth analysis of events and sources. The students also have formal essay assignments and will take the GEORGIA MILESTONES EOC at the end of the course.

United States History 112 A&B

For grade 11

United States history is a survey of the development of the United States from discovery through the present. The purpose of this course is to increase knowledge, awareness, and appreciation of America's social, political, and economic evolution from colonization to its current position as a world leader. Students will take the state Georgia Milestones EOC at the end of the course.

United States History 113 A&B

Prerequisite: teacher recommendation

For grades 11

The course investigates the United States, its people, institutions and heritage. It emphasizes political, cultural, and social issues, the role of the United States as a world leader and the issues confronting the United States today. Students will take the state Georgia Milestones EOC at the end of the course.

AP United States History A&B***

Prerequisite: teacher recommendation

For grade 11

This course conforms to the College Board topics for the Advanced Placement United States History Examination. It covers discovery and settlement, colonial society, the American revolution, Constitution and New Republic, Age of Jefferson, Nationalism, Sectionalism, Territorial Expansion, Civil War, Reconstruction, Industrialization, progressive Era, World War I, Depression, New Deal, World War II, The Cold War through modern times. Students will take the state Georgia Milestones EOC at the end of the course.

World History 121 A&B Honors **

Prerequisites: teacher recommendation

For grade 12

Emphasis is on the development of mankind to the modern age. This course begins with a review of history up to 600 CE. From that point, the course is an in-depth study of the emergence of nations through the development of science, communications, technology, and the emergence of interdependence of nations in the 20th and 21st centuries. This course also emphasizes the historical process through writing and analysis of primary source material.

World History 122 A&B

For grade 12

World History is a survey of people and nations of both Western and non-Western civilizations. This course explores the political, cultural, and economic heritage of civilizations from the time of recorded history to present. Emphasizes the political, cultural, economic, and social development and growth of civilizations. Covers the development of change beginning with ancient civilizations, the emergence of nations through trade/communications, intellectual development, scientific/technological development, emergence of nation states, nations in conflict and the emerging interdependence of nations in the twentieth century.

AP World History A&B***

Prerequisite: Teacher recommendation

For grade 12

The purpose of the AP World history course is to develop a greater understanding of the evolution of global processes and contacts, and interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. Focused primarily on the past 8-10 thousand years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the course of human development.

Current Issues

For grades 11-12

An in-depth examination of contemporary local, state, national and international issues. The main purpose of this course is to assess and analyze social, political, and economic issues involved in current events. Much of this class is discussion based on Internet and newspaper research.

Psychology

For grades 11-12

This course gives a general overview of the principles and concepts of psychology, including learning theory, perception, intellectual, and social development, abnormal behavior, and interpersonal relationships. The purpose of this course is to provide students with a better understanding of the dynamics that shape our own behaviors as well as the behaviors of others.

AP Psychology***

For grade 12

AP Psychology covers the principles of each of psychology's major sub-fields and studies the methods psychologists use in research and practice. Students develop a deeper understanding of the human mind and behavior through class discussions, demonstrations and the review of famous experiments. Topics include the biological basis of behavior, sensation, perception, learning, memory, cognition, personality and abnormal and social psychology.

Sociology

For grades 10-12

Sociology is designed to examine the importance of sociology as a social science and will explain the corresponding theories and theorists. Students will examine culture and its correlation to society, as well as agents of socialization such as the family, peer groups, and the media. Students review social groups, social structures, life stages, and gender roles in relation to society. The focus of the course is to demonstrate how human behavior and interaction is key to understanding how societies function.

AP European History A&B***

Prerequisite: teacher recommendation

For grades 10-12

This course conforms to the College Board topics for the Advanced Placement European History Examination. Topics covered include intellectual and cultural history, political and diplomatic history, and social and economic history of Europe from the Renaissance to the present day.

AP Art History A&B***

Prerequisite: teacher recommendation

For grades 11-12

This course conforms to the College Board topics for the Advanced Placement Art History Examination. Topics covered include prehistory to Egyptian, Greek and Roman, Early Christian, Byzantine, Early Medieval, Romanesque, Gothic, Renaissance, and Mannerist, 17th and 18th century, 19th century, 20th century and non-Western Art.

Modern United States Military History—1918 to present

For grades 11-12

This course investigates the United States Military History from 1918 to the present. The course includes analysis of major battles, strategies, and weapon development. It also integrates and reinforces social studies skills, especially map and globe skills.

Ethnic Studies

For grades 10-12

This course is designed to promote discussion about diversity issues within American society. The course will focus on ethnic differences and the impact these differences continue to have on the respective populations and American society as a whole. The goal of the course is to promote enlightened perspectives about the eclectic society in which we live as well as foster a more tolerant school community. The course utilizes a wide array of primary and secondary source material to encourage students to form more objective opinions of a myriad of topics of concern in modern American society.

| | Freshman | Sophomore | Junior | Senior |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| ISA Spanish Students | AP Human Geography | Y AP Government and H Economics (ISA) | AP US History (ISA) | World History *Students may want to con- sider taking AP European History as an elective. |
| Accelerated/AP | AP Human Geography | AP U.S. Government & AP Microeconomics *Students may want to consid- er taking AP Macroecon. and AP Comp. Govt. as elective | AP U.S. History | AP World History Or Honors World History *Students may want to con- sider taking AP European History as an elective |
| 1 Level | AP Human Geography | Government and Economics 101 Honors | US History 111 Honors | World History 121 Honors |
| 2-Level | World Geography 92 | Government 102 & Economics 102 | US History 112 | World History 122 |
| 3-Level | | Government 103 & Economics 103 | US History 113 | World History 123 |
| Graduation Requirements: 3 Units 1 Unit of World History 1 Unit of US History ½ Unit of Government ½ Unit of Economics | | | | |
| <p>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 recommendation will be made each year by the social studies teachers to ensure prop- er level placement and rigor of coursework.</p> | | | | |

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 In-Design. 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.

Graphics Design and Production—Graphics Arts Tech II**Prerequisite: IG&D I****For grades 10-12**

This is the second course in the **Graphic Design Career Pathway**. Topics included in this course are Color Theory, Design Principles, Career Path and Opportunities in the Design Profession, Digital File Preparation, Introduction to Output Operations, Bindings and Finishing, Ink & Substrates and Work flow.

Graphic Output Processing-Graphic Arts Tech III**Prerequisite: Graphic Design and Production****For grades 11-12**

This is the third course in the **Graphic Design Career Pathway**. Topics included in this course are Career Development, Production Planning, Production Simulation and Advanced Image Preparation. Students will obtain hands on experience learning multiple output processes including: wide format printing, dye sublimation, vinyl cutting for signs, heat transfers and hybrid technologies. Students will print items such as posters, banners, etc.

Advanced Graphic Design-Intro Graphics & Design IV**Prerequisite: IG&D III****For grades 11-12**

This course enhances level-three skills and provides the opportunity for special projects or independent study. Topics included are Portfolio development, Professional Practices, Employability Preparation and Advanced Problem Solving.

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.

Broadcast/Video Productions II A&B**Prerequisites: BVP I****For grades 10-12**

This is the second course in the **Broadcast Video/Production Career Pathway**. Students enhance the skill set established in the first course by participating in the production of a daily live newscast. Topics included in this course are operational set-up and maintenance, audio/video control systems, production graphics, studio camera and teleprompter operation, audio production and professional ethics.

Broadcast/Video Production III A&B**Prerequisite: BVP II****For grades 11-12**

This is the third course in the **Broadcast Video/Production Career Pathway**. This course is designed to facilitate student-led broadcasts under the guidance of the instructor. Students work cooperatively and independently in all phases of broadcast/video production. Topics included in this course are planning, writing and directing a studio production, advanced audio operations, reporting, scriptwriting, technical directing, producing, employability skills and professional ethics.

Broadcast/Video Production IV A&B**Prerequisite: BVP III****For grades 11-12**

This is the fourth course in the **Broadcast/Video Production Career Pathway**. Students work cooperatively and independently in all phases of broadcast/video production. Advanced technical and leadership roles, like directing, anchoring and producing, are emphasized in the production of the daily newscast. Topics included in this course are advanced camera techniques, advanced editing, employability skills and development of a digital portfolio to include resume, references and production samples.

AP Computer Science Principles A&B*****Prerequisite: concurrently GSE Alg.****For grades 10-12**

Students are introduced to fundamental computer programming concepts, hardware, and interactive programming. Development of a logical problem-solving approach is stressed. Students gain experience in program design and development using Java programming language. The course is the equivalent of a college-level Computer Science Principles course and is preparation for the AP Computer Science Principles exam.

AP Computer Science A&B*****Prerequisite: AP Computer Science Principles****For grades 10-12**

This course emphasizes Java-based objective oriented programming, problem solving, and algorithm development. Development of a logical problem-solving approach is stressed. Students gain experience in designing programs with multiple classes and class hierarchies using the Java programming language. The course is the equivalent of a first semester college-level Computer Science course and is preparation for the AP Computer Science exam.

Honors Intro to Engineering Design A&B**

Prerequisite: concurrent with GSE Alg

For grades 9-12

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 3-D computer models using Inventor software in addition to building some projects. Students will write reports documenting their designs and will present their designs to the class.

Honors Principles of Engineering A&B**

Prerequisite: Intro to Eng. Design & concurrent with GSE Geom.

For grades 10-12

Principles of Engineering is a year-long, honors course in the nationally known Project Lead the Way curriculum. This introductory course explores the wide variety of careers in engineering and technology including topics about various technology systems and manufacturing processes. Using activities, projects, and problem-solving techniques, students learn first hand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people.

Honors Aerospace Engineering A&B**

Prerequisite: Intro to Engineering Design, Principles of Engineering, and GSE Geom. or teacher approval

For grades 11-12

Aerospace Engineering is an advanced year-long honors course in the Project Lead the Way Curriculum. Through hands-on engineering projects developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering (which includes the study of intelligent vehicles like the Mars rover Spirit and Opportunity). Students work with a flight simulator, wind tunnel, rockets, and robots.

Honors Digital Electronics A&B**

Prerequisite: Principles of Engineering

For grades 11-12

Digital Electronics is a year-long, honors level course in the Project Lead the Way Curriculum. This course in applied logic encompasses the application of electronic circuits and devices. Students use computer simulation software to design and test digital circuitry prior to the actual construction of circuits and devices.

Honors Advanced Robotics A&B**

Prerequisite: GSE Geometry; Intro to Engineering and Principles of Engineering or Computer Science I and AP Computer Science, and teacher recommendation

Advanced Robotics is an advanced year long honors course. Utilizing advanced Physics principles, integrating concepts found in advanced placement courses, this course will consist of students working independently and collaboratively in the research, design and development of robotics and automation technologies. There will be an emphasis on the application and integration of physics principles in the course. Students will be introduced to the principles of robotics and automations and the role of robotics in industry through research, speakers and site

visits. Students will apply physics principles in an integrated study in the design and development of an array of robotic mechanisms. Students will also learn and apply relevant computer programming languages to advanced physics principles. Finally, working in teams, students will build working robots which can accomplish specific pre-determined goals.

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.

Essentials of Healthcare A & B

Prerequisite: Intro to Healthcare Science A&B

For grades 10-12

Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders.

Sports Medicine

Prerequisite: Essentials of Healthcare A&B

For grades 11-12

Sports Medicine is the third level course in the Therapeutic Services/ Sports Medicine Career Pathway. The course is appropriate for students who wish to pursue a career in healthcare with a focus on the musculoskeletal system, injury assessment, injury prevention, or rehabilitation including careers in Sports Medicine and Rehabilitative Services. This course will enable students to receive initial exposure to therapeutic services skills and attitudes applicable to the healthcare industry. The concepts of anatomy and physiology, assessment, preventative and rehabilitative care are introduced. Fundamental healthcare skills development is initiated, including medical terminology, kinesiology, patient assessment, record keeping, and basic life support.

Work-based learning

Prerequisite: Sports Medicine A&B

For grade 12

Work-based Learning placement represents the pinnacle of the Therapeutic Services/Sport Medicine Career Pathway. The job placement must be directly related to the curriculum of the pathway. Students interested in the course must get approval from the Pathway director and have plans of placement options before the beginning of the semester.

Engineering Design & Development

For grade 12

Engineering Design and Development is the year-long capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in math, science and technology.

World Language

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.

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

Prerequisite: French I

For grades 9-12

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.

French III A&B Honors**

Prerequisite: French II

For grades 10-12

The Level III 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 use basic language structures with accuracy and recombine learned material to express their thoughts. They are exposed to more complex features of the language, moving from concrete to some abstract concepts.

The major means of communication is in the target language.

French IV A&B Honors***

Prerequisite: French III

For grades 11-12

The Level IV 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. During this course, they gain confidence in recombining learned material of the language, creating in the language to express their own thoughts, interacting with other speakers of the language, understanding oral and written messages in the foreign language, and making oral and written presentations in the target language. They are exposed to more complex features of the language, moving from concrete to more abstract concepts. In addition, the students will develop the ability to read, analyze, and discuss perceptively representative works of French Literature.

AP French Language & Culture A&B***

Prerequisite: French IV

For grade 12

The AP French Language & Culture course conforms to the College Board themes for the Advanced Placement French Language Examination: global challenges, science and technology, contemporary life, personal and public identities, families and communities and beauty and aesthetics. It emphasizes the use of language for active communication, and has for its objectives the development of: interpretive communication through written, audio, visual, and audiovisual texts, spoken and written interpersonal communication, and spoken and written presentational communication. While communicating in French, students explore culture and events in both contemporary and historical settings, and examine products and practices of the Francophone culture.

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

Prerequisite: Latin I

For grades 9-12

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.

Latin III A&B Honors**

Prerequisite: Latin II

For grades 10-12

This course enhances previously learned skills and introduces original works by Latin authors. The works of the authors may be selected in any order for courses designated at the third, fourth and fifth year levels. Latin III traditionally focuses on prose literature of the late Republic and early Empire. Grammar is taught in the context of the readings.

AP Latin A&B***

Prerequisite: Latin III

For grades 11-12

This course conforms to College Board required reading for the Advanced Placement Latin Examination. It covers Virgil's *Aeneid* as well as Caesar's *de Bello Gallico* and emphasizes the ability to translate accurately, to interpret critically, to read aloud with attention to pauses and phrasing, to scan Latin hexameter verse, and to demonstrate mastery of Latin syntax through written translations.

Latin V Honors A & B***

Prerequisite: AP Latin

For grade 12

This course provides students with the opportunity to experience some of the finest and most influential works of the Latin corpus, and indeed, of world literature. Students can expect to read works by Ovid, Catullus, Caesar, Cicero, Tacitus, Suetonius and others. Emphasis is placed on critical reading, interpretation, and discussion of the literature and on understanding it in historical context.

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 under-

standing of Chinese-speaking cultures.

Chinese II A&B

Prerequisite: Chinese I

For grades 9-12

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.

Chinese III A&B Honors**

Prerequisite: Chinese II

For grades 11-12

The Chinese Level III course is an intermediate course conducted primarily in Chinese that emphasizes the development of reading, writing, listening and speaking skills acquired through the student of new grammatical structures, vocabulary and idioms within the context of a specific theme and country. The textbook is used as the primary source. Students will also be exposed to a variety of supplementary materials such as music, film, and internet websites.

Chinese IV A&B Honors***

Prerequisite: Chinese III

For grade 11-12

The Chinese Level IV course will help students to develop the ability to express themselves with relative ease and greater proficiency on a variety of topics in both oral and written language. Readings (literary works, articles, and biographies) are utilized to generate oral and written expression as well as to expand vocabulary, grammatical knowledge and cultural understanding. The course, conducted primarily in Chinese, is intended for students who want to continue to develop a strong foundation in the language so that they may communicate effectively in the target language, improve their communication skills and cultural awareness.

AP Chinese Language and Culture A&B***

Prerequisite: Chinese IV or Native Speaker

For grades 9-12

AP Chinese Language conforms to College Board topics for the Advanced Placement Chinese Language Examination. The course emphasizes using the language for active communication, and has for its objectives the development of the ability to understand spoken Chinese in various contexts, the development of Chinese vocabulary sufficient for reading newspapers and magazines, literary texts, and other non-technical writing, and the development of the ability to express oneself coherently, resourcefully and with reasonable fluency and accuracy in both written and spoken Chinese.

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

Prerequisite: Spanish I

For grades 9-12

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.

Spanish III A&B Honors**

Prerequisite: Spanish II

For grades 10-12

The Level III 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 use basic language structures with accuracy and recombine learned material to express their thoughts. They are exposed to more complex features of the language, moving from concrete to some abstract concepts. The major means of communication between students and instructors will be the target language.

Pre– AP Spanish III A&B Advanced Honors**

Prerequisite: Spanish II & teacher recommendation

For grades 10-12

This course is an extremely accelerated course in which students will cover Spanish III and Spanish IV in one year. This course is for highly motivated students with strong language skills who will go on to complete both AP Spanish Language and AP Spanish Literature before graduating high school. The major means of communication is in the target language.

Spanish IV A&B Honors***

Prerequisite: Spanish III

For grades 11-12

The Level IV 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. They gain confidence in applying learned material of the language to express their own thoughts, interact with other speakers of the language, understand oral and written messages in the foreign language, and make oral and writ-

ten presentations in the target language. They are exposed to more complex features of the language. Students are able to understand material presented on a variety of topics related to contemporary events and issues in the target language. The major means of communication is in the target language.

Spanish V A&B***

Prerequisite: Spanish III Advanced, Spanish IV & teacher recommendation

For grade 11-12

The Level V language course focuses on the continued development of communicative competence in the language and understanding of the culture(s) of the people who speak the language. Students will focus on reading, writing, listening, and speaking while refining grammar and expanding vocabulary. Students continue to gain confidence in recombining learned material of the language, while continuing to create, interact with other speakers, understanding oral and written language, and making presentations. They will manipulate more complex features of the language, including more abstract concepts. Students are able to understand material presented on a variety of topics related to contemporary, historical and literary events and issues in the target culture(s).

AP Spanish Language & Culture A&B***

Prerequisite: Spanish IV or Spanish III Advanced & teacher rec.

For grades 11-12

This course conforms to the College Board topics for the Advanced Placement Spanish Language Examination. It emphasizes the ability to comprehend formal and informal spoken Spanish, to acquire the vocabulary and grasp of structure to read newspapers, magazines and Hispanic literature to compose expository passages, and to speak accurately and fluently. The major means of communication is in the target language.

AP Spanish Literature & Culture A&B***

Prerequisite: AP Spanish Language

For grade 12

This course conforms to College Board required authors and selected works for the Advanced Placement Spanish Literature Examination. It emphasizes the ability to understand a lecture in Spanish and discuss literary topics in Spanish, to read Hispanic literary texts in all genres, and to analyze critically form and content of literary works orally and in writing using appropriate terminology.

| Freshman | | Sophomore | | Junior | | Senior | |
|---------------------------------------------|------------------------|--------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|--|
| Chinese I | Chinese II | Chinese III | Chinese IV | | | | |
| Latin I | Latin II | Honors Latin III | AP Latin | | | | |
| Latin II | Honors Latin III | AP Latin | Honors Latin V | | | | |
| | Freshman (Fall) | Freshman (Spring) | Sophomore | Junior | Senior | | |
| Language Track | French IIA | French IIB | French III Honors | French IV Honors | AP French Language | | |
| | | | | | | | |
| Language Track for entering freshmen | French IA | French IB | French IIA | French III Honors | French IV Honors | | |
| | | | | | | | |
| | Freshman (Fall) | Freshman (Spring) | Sophomore | Junior | Senior | | |
| Language Track | Spanish IIA | Spanish IIB | Spanish III Honors | Spanish IV Honors | AP Spanish Language or Spanish V Honors | | |
| Advanced Track | Spanish IIA | Spanish IIB (Advanced) | Spanish III/IV Honors | AP Spanish Language | AP Spanish Literature | | |
| | | | | | | | |
| | | | | | | | |
| Language Track for entering freshmen | Spanish IA | Spanish IB | Fall Semester: Spanish IIA | Spanish III Honors or Pre-AP (for students from Spanish IIB Advanced) | Spanish IV Honors or AP Spanish Language (for students who completed Pre-AP) | | |
| | | | Spring Semester: Spanish IIB or Spanish IIB Advanced | | | | |

===== *Summer Learning Requirements* =====

Every student will have a required summer reading assignment in English and Social Studies. Additionally, some courses in mathematics 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 2017-2018 school year.

| English Requirements | English 111 LA Honors American Literature |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| English 92 Literature and Composition (One required book with assignment) <i>Things Fall Apart</i> (Achebe) | (Two required books) Required with assignment- <i>Narrative in the Life of Frederick Douglass</i> (Douglass) <i>How to Read Literature Like a Professor</i> (Foster) |
| English 91 Honors Literature and Composition (One required book with assignment) <i>Things Fall Apart</i> (Achebe) | American Literature Small Group (One required book with assignment) <i>Narrative in the Life of Frederick Douglass</i> (Douglass) |
| ISA English 91 Honors Literature and Composition (Two required books) Required with assignment - <i>Things Fall Apart</i> (Achebe) <i>La Gran Aventura de Alejandro</i> (Kanter) | AP Language and Composition/American Literature – 11th grade (Two required books) <i>Narrative in the Life of Frederick Douglass</i> (Douglass) Required with assignment – <i>David and Goliath</i> (Gladwell) |
| Ninth Literature Small Group (One required book with assignment) <i>Things Fall Apart</i> (Achebe) | English 122 British Literature (One required book with assignment) <i>Buried Giant</i> (Ishiguro) |
| English 102 World Literature (One required book with assignment) <i>The Alchemist</i> (Coelho) | English 121 Honors British Literature (One required books with assignment) Required with assignment - <i>Buried Giant</i> (Ishiguro) |
| English 101 Honors World Literature (Choice of one book with assignment) <i>All The Light We Cannot See</i> (Doerr) <i>The Kite Runner</i> (Hosseini) <i>Snow Flower and the Secret Fan</i> (See) | British Literature Small Group (One required book with assignment) <i>The Hound of the Baskervilles</i> (Doyle) |
| World Literature Small Group (One required book with assignment) <i>The Pigman</i> (Zindel) | AP Literature and Composition – 12th grade (Two required books) Required with Assignment - <i>Crime and Punishment</i> (Dostoevsky) <i>Oryx and Crake</i> (Atwood) |
| AP Language and Composition – 10th grade (Two required books) <i>Elements of Style</i> (Strunk and White) Required with assignment – <i>Class Matters</i> (The New York Times) | ISA AP Literature and Composition – 12th grade (Two required books) Required with assignment - <i>One Hundred Years of Solitude</i> (Garcia Marquez) <i>The Farming of Bones</i> (Danticat) |
| English 112 American Literature (One required book with assignment) <i>Narrative in the Life of Frederick Douglass</i> (Douglass) | |
| English 111 Honors American Literature (Two required books) Required with assignment- <i>Narrative in the Life of Frederick Douglass</i> (Douglass) <i>How to Read Literature Like a Professor</i> (Foster) | |

Social Studies

Ninth Grade: Geography Summer Reading:

Class: World Geography 92

Reading: *Things Fall Apart* by Chinua Achebe

Assessment: Multiple Choice Test

Class: AP Human Geography

Reading: *Things Fall Apart* by Chinua Achebe

2 other assignments that can be found by visiting Mrs. Cohen's blog on the Walton webpage

Assessment: 3 Separate Assignments:

1. Multiple Choice & Short Answer Test over reading
2. Quiz over the location of the world's countries and regions
3. Quiz over the location of the world's physical features

Tenth Grade:

Government Summer Reading:

Class: On-Level Government

Reading: *The United States: A Graphic Adaptation* by Jonathan Hennessey

Assessment: Multiple Choice Test

Class: Honors Government

Reading: *Nickel and Dimed: On (Not) Getting By in America* by Barbara Ehrenreich

Assessment: Multiple Choice Test

Class: AP Government

Reading: *Nickel and Dimed: On (Not) Getting By in America* by Barbara Ehrenreich

**If you registered for AP Government in the fall, you need to read this book.

Assessment: Multiple Choice Test

Economics Summer Reading:

Class: On-Level Economics

Reading: *The United States: A Graphic Adaptation* by Jonathan Hennessey

Assessment: Multiple Choice Test

Class: Honors Economics

Reading: *Nickel and Dimed: On (Not) Getting By in America* by Barbara Ehrenreich

Assessment: Multiple Choice Test

Class: AP Microeconomics

Reading: *Naked Economics: Undressing the Dismal Science* by Charles Wheelan

**If you registered for AP Econ in the fall, you need to read this book.

Assessment: Multiple Choice Test

Eleventh Grade: U.S. History Summer Reading

All levels of US History– college prep, honors, AP and ISA

Reading: *Narrative of the Life of Frederick Douglass* by Frederick Douglass

Assessment: Multiple Choice Test

Twelfth Grade: World History Summer Reading

Class: On-Level World History

Reading: *SALT* by Mark Kurlansky

Assessment: Multiple Choice Test

Class: Honors World History

Reading: *An Edible History of Humanity* by Tom Standage

Assessment: Multiple Choice Test

Class: AP World History

Reading: *The Human Web: A Bird's Eye View of World History* by J.R. McNeill and William H. McNeill. Students will only read the first 3 chapters.

Assessment: Study guide & quiz using the study guide

AP Electives:

Class: AP European History

Reading: *A World Lit Only by Fire* by William Manchester

Assessment: Graphic organizer and essay – see Walton webpage for details.

Class: AP Art History

Reading: *A Little History of the World* by E.H. Gombrich

Assessment: Email Jennifer.west@cobbk12.org for details

Mathematics

Students registered for Accelerated Geom/Alg II will have a summer packet to complete.

This will be available on the Mathematics Department page of the Walton website at the end of this school year.

Post-Secondary Planning

At Walton, approximately 98% of our students attend either a two year 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 prefer to admit 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, SAT and ACT scores are important to many schools as a measure of how well a student will do once they are in college. Other very important factors include the essay(s) and extracurricular involvement while in high school.

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 a school's 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 at least 48 hours in advance and print the email reminder to present to teachers.

Walton School Counselors offer a comprehensive informational 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 November 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 from the HOPE scholarship, the FAFSA, CSS Profile and loans and grants.

Walton also hosts the PROBE college fair held in September each year at North Point Mall. This is an excellent opportunity to visit with college representatives and to obtain materials from over 160 colleges that send admissions representatives to the fair.

NCAA Clearinghouse

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. It is important to verify the current requirements as NCAA only recognizes those courses a student took during their 4 years of high school. Eighth grade courses are not calculated in eligibility. For example, if a Division I school requires two years of the same foreign language and a student takes one year in 8th grade and one year in ninth grade, they are missing 1 year on the high school level. Additionally, the NCAA will not recognize online courses taken as "credit recovery, Novanet or test out." Please consult your counselor before taking any online course.