



GREEN Charter High School **2018-19 Course Book**

This course booklet provides you with information on GREEN's course offerings including Early College and Advanced Placement opportunities. This information will be beneficial in helping you make the best decision for yourself. We look forward to helping you prepare for your future in a safe and challenging learning environment.

High School Diploma

South Carolina requires 24 "Carnegie Units" of credit in approved courses to qualify for a high school diploma (*see requirements below*). The standard Carnegie Unit is defined as 120 hours of contact time with an instructor, which translates into one hour of instruction on a particular subject per day, five days a week, for twenty-four weeks annually. Most public high schools award credit based on this 120-hour standard (one credit for a full-year course; or half a credit for a semester course).

- English/Language Arts – 4 Units
- Mathematics – 4 Units
- Science – 3 Units
- U.S. History and Constitution – 1 Unit
- Economics (1/2 Unit), Government (1/2 Unit)
- Other Social Studies – 1 Unit
- Physical Education – 1 Unit
- Computer Science (Including Keyboarding) – 1 Unit
- Foreign Language or Occupational Education – 1 Unit
- Electives – 7 Units

Converting Grades on Transcripts

The State Board of Education approved both the new 10 point grading scale for South Carolina students and the corresponding GPA conversion chart for quality points. The correlation between grade point average, course selection and weighting can be found by visiting the following link: <http://ed.sc.gov/newsroom/news-releases/10-point-uniform-grading-scale-approved-by-state-board-of-education/10-point-grading-scale-conversion-chart/>

Uniform Grading Scale:

A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = 0-59



The Course Selection Process

Each student is expected to:

1. **Read** this curriculum guide and the course descriptions carefully.
2. **Select** courses based on the graduation requirements listed in this guide.
3. **Consult** with admin/counselor for approval.
4. **Discuss** course selections with parents.
5. **Check** for correctness when you receive your schedule.

No schedule changes will be made after May, except those made to accommodate teacher recommendations, administrative errors, or the need to retake a course.

Retaking the Same Course

Students may retake the same course under the following conditions:

- Only courses in which a grade of F was earned may be retaken.
- The course may be retaken no later than the following academic school year.
- The student's record will reflect all courses taken and the grades earned.

Gifted and Talented

At the high school level, gifted services are provided via Honors level English courses. In addition to these classes, students are encouraged to take Advanced Placement and Early College courses.

Advanced Placement Program (AP)

The AP program at GREEN Charter High School enables students to pursue college-level studies while still in high school. Every student taking an AP course at GREEN Charter High School is required to take the AP exam that matches that course. Based on the student's performance on an AP examination, a student may earn credit and/or advanced placement in the related college course.

Any student enrolled in an AP class will take the AP exam for that class. (The SC Department of Education pays the fee for the AP exam.) If a student fails to take an AP exam or attempts to leave the exam before the testing period is over, he/she will lose the quality point that is assigned to the AP grade and will be required to pay for the AP exam.

AP students must attend all classes when they are not actively taking an AP Exam. These students will be marked "Testing" for the exam period only. AP students should plan to attend all AP review sessions scheduled for an AP exam. Students may enroll in AP courses at GREEN Charter School by completing prerequisite courses and obtaining the required teacher recommendation.



Early College at Greenville Technical College

Qualified students may enroll in Greenville Tech's Early College Program starting first semester of their sophomore year. Students must receive permission from GREEN Charter School to enroll in courses that will earn dual credit. Prospective Early College students must take the Accuplacer Assessment and score within the minimum requirements provided by Greenville Tech. The Accuplacer test will be taken at GREEN every January.

College courses that count as three (3) credit hours at the college level will transfer to GREEN as 1 Carnegie Unit.

Early College Grade Conversion for High School Transcript:

College Course Grade	High School Transcript Grade
A	95
B	85
C	75
D	65
F	50

Congressional Award Program

The Congressional Award is the United States Congress' award for young Americans. It is non-partisan, voluntary, and non-competitive. The program is open to all young people ages 14 to 23. Young people may register when they turn 13 1/2 years old and must complete their activities before their 24th birthday. GREEN Charter will only advise interested students that begin the program during the summer after their 8th grade year and complete the program requirements before beginning the process of applying to colleges. This is usually the beginning of the junior (11th grade) year of high school.

Participants earn Bronze, Silver and Gold Congressional Award Certificates and Bronze, Silver and Gold Congressional Award Medals. Each level involves setting goals in four program areas:

- Volunteer Public Service
- Personal Development
- Physical Fitness
- Expedition/Exploration

Regardless of your situation, you can earn the Congressional Award. The Congressional Award has no minimum grade point average requirements. It accommodates young people with special needs or disabilities who are willing to take the challenge.



South Carolina Merit Based Scholarship Program

These are provided in a tiered system to qualified South Carolina Residents, with the following requirements:

Palmetto Fellows Scholarship: up to \$7,500/year towards a 4 year degree

- 1200 on SAT or 27 on ACT
- 3.5 GPA *and*
- Top 6% of class (at the end of sophomore or junior or senior year)
- Renewable with a 3.0 GPA and 30 hours
- Or 1400 on SAT (CR and Math) or 32 on ACT and 4.0 GPA at the end of the senior year

New: Math or Science majors may receive up to an additional \$2,500 after successfully completing 14 hours of math and science courses in their freshman year of college.

Life Scholarship: up to \$5,000/year towards a 2 or 4 year degree

At least two of the three following:

- 1100 on SAT or 24 on ACT
- 3.0 GPA
- Top 30% of graduating class
- Renewable with a 3.0 GPA and 30 credit hours

New: Math or Science majors may receive up to an additional \$2,500 after successfully completing 14 hours of math and science courses in their freshman year of college.

Hope Scholarship: up to \$2,800/year towards a 4 year degree

- 3.0 GPA
- One year only, up to 2 consecutive terms. Students can qualify for a Life Scholarship with a 3.0 GPA after the first year of college with 30 hours attained.

Lottery Tuition Assistance: previously up to \$1,140/year (amount changes yearly)

- Enrollment in a 2-year technical college
- Minimum of 6 credit hours per semester
- Maintain a 2.0 GPA after 24 hours of credit

More information on these and other financial aid opportunities is available at:
www.che.sc.gov



South Carolina High School Assessments

End-of-Course Examination Program (EOCEP)

(For 7th-10th grade students in Algebra I, English I, Biology I, or U.S. History: Colonial Period-Present)

End-of-course examinations are required in select gateway or benchmark courses. The EOCEP provides tests in those high school core courses and for courses taken in middle school for high school credit. The EOCEP tests in the following subject areas: Algebra I, English I, Biology I, and U.S. History: Colonial Period-Present. The end-of-course exam will count as 20% of the student's final grade in the course.

Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT)

(For all 10th AND 11th grade students at GREEN Charter High School)

PSAT/NMSQT is a standardized test that provides practice for the SAT and official consideration for a scholarship from the National Merit Scholarship Program. All tenth graders at GREEN Charter are required to take the PSAT/NMSQT. Our students are also required to take the test a second time in their junior year to try for the qualification as a National Merit Scholar.

ACT WorkKeys® CAREER Readiness Assessment

(For all students in 11th grade OR their third year after initial enrollment in the ninth grade)

All eleventh grade students are required to take either the ACT WorkKeys job skills assessment or an alternate assessment (for eligible students). Eleventh grade students will be defined as students in the third year after their initial enrollment in the ninth grade.

The ACT WorkKeys assessment includes three timed tests taking 45 minutes each: Reading for Information (33 items), Applied Mathematics (33 items), and Locating Information (38 items). Students who score well enough to be eligible for ACT's National Career Readiness Certificate in either the platinum, gold, silver, or bronze level may find it useful in getting a job straight out of high school.

American College Testing (ACT) COLLEGE Readiness Assessment

(For all 11th and 12th grade students)

All eleventh grade students will be given the ACT® test at GREEN Charter High School. There is no charge for this test and scores can be sent to four colleges or universities. The ACT test is universally accepted for college admission and is designed to assess high school students' educational development and their ability to complete college-level work. The test covers four skill areas: Math, Reading, English, Science, as well as an optional Essay question.

Scholastic Aptitude Test (SAT) COLLEGE Readiness Assessment

(For all 11th and 12th grade students)

The SAT is a college readiness test offered by The College Board. It is offered at multiple times and locations throughout the year. Colleges and universities use the SAT as one indicator of a student's readiness to do college-level work. The test covers three skill areas: Math, Reading, Writing and Language, as well as an optional Essay question. For more information, visit www.collegeboard.com.



MATH

Algebra 1 H Units: 1 Code: 411400HW Grades: 7-9

The Algebra I Honors course is designed to provide students with an in-depth level of instruction, an accelerated pace and a cooperative learning environment. The course guides students in the development of critical thinking skills and algebraic problem solving skills which provide the foundation for real world problem-solving. It is targeted to highly motivated students who have previously had some algebra.

Algebra 1 CP Units: 1 Code: 411400CW Grades: 9

Five critical areas comprise Algebra I: Relations and Functions; Linear Equations and Inequalities; Quadratic and Nonlinear Equations; Systems of Equations and Inequalities; and Polynomial Expressions. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions.

Foundations in Algebra Units: 1 Code: 411600CW Grades: 9

This course is the first half of a two-year program that gives students an opportunity to learn Algebra 1 over two years and to begin examining concepts from Algebra 2 and Probability and Statistics. Students who complete the Foundations in Algebra/ Intermediate Algebra sequence will take the state-mandated Algebra 1 End-of-Course assessment at the end of the second course, Intermediate Algebra. The sequence of courses, Foundations in Algebra and Intermediate Algebra, meets the state Algebra 1 standards and will be recognized by South Carolina colleges as Algebra 1 if followed by successful completion of Algebra 2.

Intermediate Algebra Units: 1 Code: 411700CW Grades:10

This course is the second half of a two-year program that gives students an opportunity to learn Algebra 1 over two years and to begin examining concepts from Algebra 2 and Probability and Statistics. Students who complete the Foundations in Algebra/ Intermediate Algebra sequence will take the state-mandated Algebra 1 End-of-Course assessment at the end of the second course, Intermediate Algebra. The sequence of courses, Foundations in Algebra and Intermediate Algebra, meets the state Algebra 1 standards and will be recognized by South Carolina colleges as Algebra 1 if followed by successful completion of Algebra 2. PREREQUISITE: Foundations in Algebra

Geometry H Units: 1 Code: 412200HW Grades: 8-10

Geometry Honors course formalizes and extends students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Six critical areas comprise the Geometry course: Congruency and Similarity; Measurement; Analytic Geometry; Circles; and Polyhedra. Students are required to have a scientific (TI30xIIS) or graphing calculator (TI 83+ or TI-84) which is used daily.

Geometry CP Units: 1 Code: 412200CW Grades: 10-11

Geometry CP concepts are introduced visually, inductively, and deductively by a variety of methods including (1) compass and straightedge constructions, (2) mental math, (3) computation with pencil and paper, (4) and computation with scientific calculator. Topics include inductive and deductive reasoning (proof), properties of polygons, constructions, transformations, area, volume, right triangles, similarity, and trigonometry. Students are required to have a scientific (TI30xIIS) or graphing calculator (TI 83+ or TI-84) which is used daily.

**Algebra 2 H****Units: 1****Code: 411500HW****Grades: 9-11**

Algebra 2 Honors course builds on work with linear, quadratic, and exponential functions and allows for students to extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

Algebra 2 CP**Units: 1****Code: 411500CW****Grades: 11-12**

Algebra 2 extends the knowledge of all concepts studied in Algebra I and unifies them with those concepts studied in Geometry. Topics introduced are the set of complex numbers, and rational exponents. A graphing calculator (TI-83+ or TI-84) is strongly recommended. Students are encouraged to be enrolled or have taken Algebra 2 before taking the SAT.

Precalculus H**Units: 1****Code: 413100HW****Grades: 10-12**

This course is designed to provide students with enhanced mathematical concepts and topics in the area of functions, sequences and series, conic sections, parametric representations, polar representations, and vectors.

Precalculus CP**Units: 1****Code: 413100CW****Grades: 12**

This course is designed to provide students with enhanced mathematical concepts and topics in the area of functions, sequences and series, conic sections, parametric representations, polar representations, and vectors.

Algebra 3 CP**Units: 1****Code: 411305CW****Grades: 10-12**

Algebra 3 focuses on the development of the student's ability to understand and apply the study of functions and advanced mathematics concepts to solve problems. The course will include a study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Emphasis is on active participation through modeling, technology lab activities, group activities, and communication in mathematics. This course is designed for students who have taken Algebra 2 but who do not have a strong enough background to go directly into Precalculus CP. It is a bridge between Algebra 2 and Precalculus CP, including some of the culminating topics of Algebra 2 and some of the introductory topics of Precalculus CP. The course will be taught through the use of best practices and research-proven instructional strategies. The SCCCR mathematical process standards apply throughout the course. PREREQUISITE: Algebra 2 CP and Math teacher recommendation



SCIENCE

Biology 1 H

Units: 1

Code: 322103HW

Grades: 9

This honors-level course encompasses interrelationships of living things, levels of biological organization, human biology, social implications, biochemistry, and genetics. Extensive laboratory work and problem-solving are essential components. The state required end-of-course exam in Biology will be administered as the final test for this class. The end-of-course test grade will count as 20% of the student's final grade.

Biology 1 CP

Units: 1

Code: 322100CW

Grades: 9

This course includes laboratory work and extensive study of specimens. Course content encompasses interrelationships of living things, levels of biological organization, human biology, social implications, biochemistry, and genetics. The state required end-of-course exam in Biology will be administered as the final test for this class. The grade on the end-of-course test will count as 20% of the student's final grade.

Chemistry 1 H

Units: 1

Code: 323100HW

Grades: 10

This honors-level course provides an introduction to major chemistry principles and builds on concepts introduced in physical science and earth science. This is a mathematics-based course in which a working knowledge of algebra is critical for success. Through well-designed laboratory experiences students will master concepts, use problem solving skills, and apply them to real-world situations. Topics included in the course are: chemical safety, atomic theory, the periodic system, chemical reactions and stoichiometry, gas laws, solutions and solubility, and acid base chemistry. Investigative, hands-on lab activities that address the South Carolina Inquiry Standards are an integral part of this course. Honors Chemistry 1 prepares a student for Advanced Placement Chemistry through an in-depth study of the sequential development of major principles with emphasis on a quantitative approach to problem solving, research, and extensive laboratory experiences.

Chemistry 1 CP

Units: 1

Code: 323100CW

Grades: 10

Chemistry CP provides an introduction to major chemistry principles and builds on concepts introduced in physical science and earth science. This is a mathematics-based course in which a working knowledge of algebra is critical for success. Through well-designed laboratory experiences students will master concepts, use problem solving skills, and apply them to real-world situations. Topics included in the course are: chemical safety, atomic theory, the periodic system, chemical reactions and stoichiometry, gas laws, solutions and solubility, and acid base chemistry. Investigative, hands-on lab activities that address the South Carolina Inquiry Standards are an integral part of this course. Chemistry 1 is the study of the sequential development of major principles with emphasis on a quantitative approach to problem solving, research, and extensive laboratory experiences.

Environmental Science

Units: 1

Code: 326114CW

Grade: 10-11

This course supports the mission of GREEN Charter and will allow students to explore both renewable and nonrenewable resources along with providing students with the scientific principles to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary and embraces a wide variety of topics from different areas of study. Topics to be explored include environmental economics and policy, human population growth, earth's systems and resources, energy, ecology, and environmental health. Students will conduct field studies, research, labs, and projects.



SOCIAL STUDIES

AP Human Geography

Units: 1

Code: 337900AW

Grades: 9

The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. On successful completion of the course, the student should be able to: Interpret maps and analyze geospatial data, Understand and explain the implications of associations and networks among phenomena in places, Recognize and interpret the relationships among patterns and processes at different scales of analysis, Define regions and evaluate the regionalization process, and Characterize and analyze changing interconnections among places. A required AP Exam at the end of the course will determine if colleges award student's credit hours for it.

World Geography CP

Units: 1

Code: 331000CW

Grades: 9

This course will use a regional approach to explore the five basic themes of geography: Location; Characteristics of a place; Movement of people, goods and ideas; Interconnection of places (both local and global); and Human-environment interaction. Geography is the study of where people, places, and things are located and of the ways they relate to each other. Geography allows people to find answers to questions about the world. You will explore and discover the processes that shape the earth, the relationships between people and environments, and the links between people and places. Geography will help build global perspective and understand connections between global and local events.

AP US History

Units: 1

Code: 337200AW

Grades: 10

This course provides an opportunity for academically talented students to experience a survey history course taught at a college level. An examination of political, social, economic, cultural, and foreign policy trends in America's development is emphasized. The students will examine the interpretation of historical events and trends through the use of documents, essay writing, and special projects. This is a college level and not a college preparatory course. Students are required to take both the AP exam which may render college credit and the SC Department of Education's End-of-Course exam which will count as 20 percent of the student's final grade.

US History CP

Units: 1

Code: 332000CW

Grades: 10

This course provides a general survey of the major political, diplomatic, economic, and social developments in the United States since the settlement of North America. Current events in domestic and foreign policy are developed within the context of the American experience. This course emphasizes the use of historical documents and developing the analytical writing skills that are need for college level work. U. S. History is required by the state for graduation. Students are required to take the state End-of- Course exam. This exam counts 20 percent of the student's final grade.

US Government

Units: 0.5

Code: 333000CH

Grades: 11

US Government CP incorporates the structure organization and function of the American political system. Topics studied include: foundations of U.S. government the three major branches of government and the Constitution. Students will study the details of the political system at the national state and local levels. Comparisons will be made between American government and other political systems, and students will apply higher order thinking skills as they consider content throughout the course. US Government is required for graduation.

Economics

Units: 0.5

Code: 335000CH

Grades: 11



ELECTIVES - One Semester Long

Instrumental Music: Guitar

Units: 0.5

Code: 356700CH

Grades: 9-10

This one semester course is designed for students with no previous guitar experience. Students will receive guidance and direction in solving problems related to playing the guitar at a beginning level and will learn many of the different styles, skills and techniques required to become a successful guitarist. Areas of concentration include: correct posture, note reading, aural skills, flat-picking, singing songs, rhythmic patterns, chord study, finger-picking styles, musical forms, improvisation and performing experiences.

Instrumental Music: Piano

Units: 0.5

Code: 454101CH

Grades: 9-10

Piano course is designed to teach the concepts and fundamentals needed to perform on the piano. It will increase musical understanding beyond just reading notes by teaching students a vocabulary of chords and keys, accompaniment patterns, and improvisational techniques. Students will play melodies in several positions and have the opportunity to participate in ensemble playing. Students will develop good practice habits, and learn techniques to increase the muscular agility and flexibility of their hands.

Personal Finance

Units: 0.5

Code: 513112CH

Grades: 9-10

Students will explore the personal finance skills they'll need in order to succeed in life. This course helps students build skills in financial responsibility and decision making; identify sources of income, saving and investing; understand banking, budgeting, record-keeping and managing risk, insurance and credit card debt.

Printmaking

Units: 0.5

Code:

Grades: 9-10-11

Printmaking introduces students to the production of multiple images from a single design. Emphasis is on design and creative use of the materials and techniques of the relief, monoprint, and silkscreen printing processes.

Speech & Debate

Units: 0.5

Code: 304001CH

Grades: 9-10

This course explores concepts in public speaking, critical thinking, argument and debate. Students will study different styles of speeches, learn rhetorical strategies and practice the art of debate. The students will give several speeches to classmates and other students and may have the opportunity to compete in tournaments.

Video Production

Units: 0.5

Code:

Grades:9-10

Video Production is an introduction course designed to provide students with artistic, creative and historical background in the fields of video, broadcasting, and film production. In addition, this course provides instruction and training in pre-production, production and post production phases of project development. Students who are interested in a career in entertainment production have opportunities to explore the many jobs involved in the making of such productions. Those who achieve competency in this course will be prepared to enter a film or broadcast journalism course at the college level.



Student Graduation Plan

Name: _____

Postsecondary Plans:

Workforce/Apprenticeship Two-Year College/Technical Training Four-Year College Military

Course	Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade
English: 4 units required				
Math: 4 units required				
Science: 3 units required (Biology plus two additional science units) (3 lab science units required for 4-year colleges)				
Social Studies: 3 units required (1 social studies elective unit; US History; Government/Economics)				
Physical Education/Health: 1 unit required				
Computer Science: 1 unit required				
Foreign Language or Career Technology: 1 unit required (2 Foreign Language units required for 4-year college; Clemson & College of Charleston require 3 Foreign Language Units)				
Electives: 7 units required (1 Fine Arts unit required for 4-year college) (Language Arts, mathematics, science, social studies, visual and performing arts, foreign language, career and technology, physical education, etc.)				