

OUR SCHOOL HHS AT A GLANCE

- HHS has approximately 2040 students, 570 of which are 9th graders
- 1 Principal, 5 Assistant Principals, 1 Administrative Assistant, 1 Curriculum Resource Teacher
- 105 Teachers, 5.5 Guidance Counselors, 1 Career Development Facilitator
- 2014-2015 School Year
 - Traditional Schedule (7 periods a day, 50 minutes per period)
 - Students will take four core courses and three electives



OUR SCHOOL GRADUATION REQUIREMENTS

- Students must earn 24 credits to graduate with a HS diploma
 - 4 units of English
 - 4 units of Math
 - 3 units of Science
 - 1 unit of Social Studies
 - 1 unit of US History
 - .5 unit of US Government
 - .5 unit of Economics
 - 1 unit of Physical Education
 - 1 unit of Computer Science
 - 1 unit of World Languages/CATE course
 - 7 units of electives
- Students must also pass both portions of the HSAP exam



OUR REGISTRATION PROCESS

- Students meet with their guidance counselor/teachers to discuss courses for 2014-2015
- Rising 9th Graders:
 - 8th graders go to computer labs March 10-14 to go through the registration screen and choose classes with their counselors. Students will sign up for 6 classes. The counselors will put in PE for their 7th class. Students will also sign up for 3 alternate classes. These are used in the event that there's a conflict with the original requests.
- Rising 10-12th Graders
 - Current high school students go to computer labs March 17-27 and sign up for classes with their counselors. Students will sign up for 7 credits. Students will also sign up for 3 alternate classes
- Parents receive Student Request Letters on April 1 to review and sign off on courses. These forms are to be returned to the grade level counselors by the date set by the individual school(s).




OUR REGISTRATION PROCESS

- Course Selections
 - Middle school students who have taken a course for high school credit may re-take the course in high school. The middle school grade will be removed from the transcript and replaced with the high school final grade, regardless of the grade earned.
 - Students will want to consider choosing the appropriate course(s) to satisfy the computer science unit for graduation.
 - Students who are planning to attend a South Carolina public four-year college or university **directly** upon high school graduation may want to consider taking a fine arts unit.
 - When possible students should register for a course that will allow them to explore their career interests.



OUR FRESHMAN ACADEMY

- The mission of the Freshman Academy is to help incoming freshmen become acclimated to the high school setting by developing a safe and productive academic environment while holding them to high standards that will serve them through high school and beyond.
 - The core subjects of English, Math, Science, and Social Studies are all taught in close proximity in order to minimize distractions by upperclassmen.
 - By creating a cohesive freshmen-centered area in our school, teachers become mentors, trusted faces, and helping hands with goals to make the transition from eighth grade to ninth grade go more smoothly. With close attention to detail, we help our students achieve a higher level of success.
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BRIEF OVERVIEWS OF OUR DEPARTMENTS

- English
 - Mathematics
 - Science
 - Social Studies
 - World Languages
 - Family Consumer Sciences
 - Agricultural Sciences
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ENGLISH

High School English Matriculation Options 2014-15 entering freshmen

Common Core English 1 CP

- CC English 2
- CC English 3
- CC English 4

English 1 H- 8th grade

- CC English 2H
- CC English 3H
- CC English 4 H
and/or 1-2 AP
classes

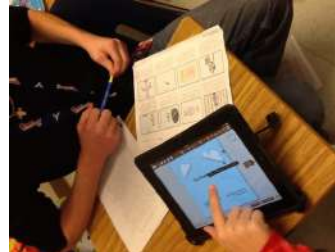
Common Core English 1H - 9th grade

- CC English 2H
- CC English 3H
- CC English 4H
or 1 AP class

Students may move from the CP level to an Honors level class at any grade, based on teacher recommendation and demonstrated ability to succeed. Students may also move from the Honors level to a CP level with no repeat of core curriculum or texts. Again, teacher recommendation is essential to appropriate placement for the student.

ENGLISH ELECTIVES FOR FRESHMEN

□ Creative Writing



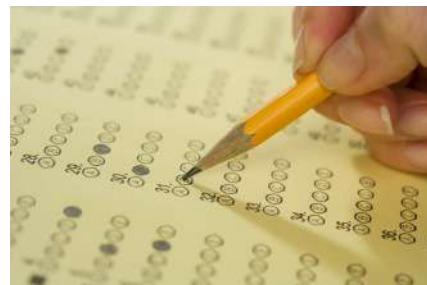
□ Speech & Debate

- Both need teacher recommendation from students' 8th grade English teacher



END OF COURSE TEST

- The English 1 EOC (End of Course) Test is the exit exam for English 1 students.
- 20% of total grade in the course
- State mandated and state created test
- Is being rewritten to align with Common Core standards



WHAT'S FUN?

- The Poetry Slam assembly!

- Field trips!



Plays at the Peace Center



The Greek Festival

FRESHMAN ACADEMY ENGLISH TEACHERS

- Shenya Smith



- JoAnne Bachman



- Sally Wallace

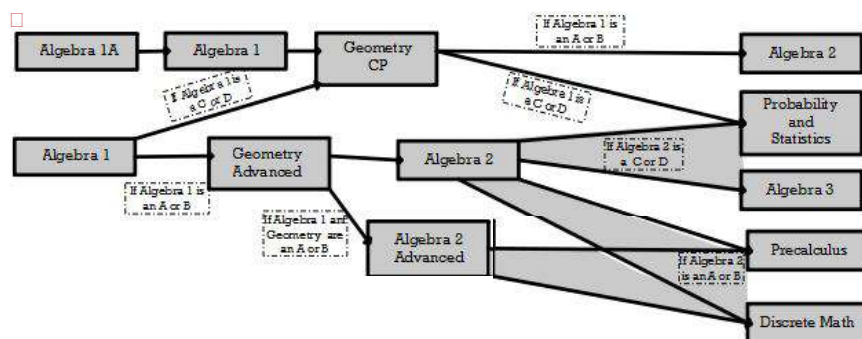


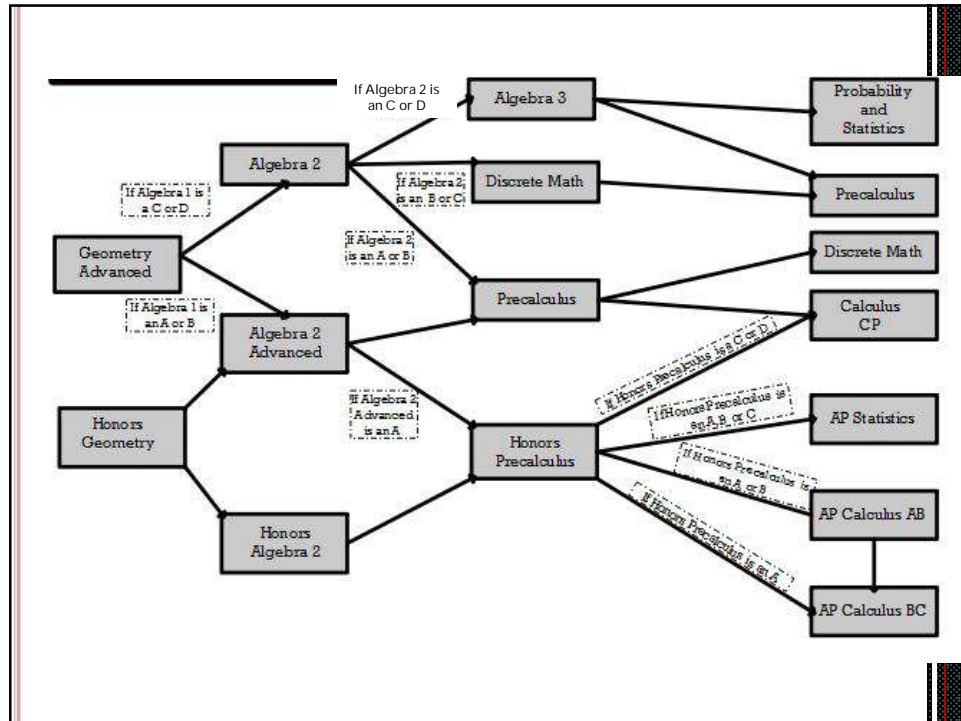
- Ronda Duncan



MATHEMATICS

Mathematics Department Course Sequencing





FRESHMAN MATH COURSES

- Algebra 1A
- Algebra 1 CP
- Honors Algebra 1
- Geometry Advanced
- Honors Geometry
- Honors Algebra 2

Algebra 2 H

Prerequisites: Students must meet 4 out of 5

- Grade in Algebra 1 H of 87 or greater
- Grade in Geometry H of 87 or greater
- Grade 7 PASS Score: 680 or higher
- MAP Score 255 or higher
- Teacher recommendation



GRAPHING CALCULATORS



Hillcrest High School teachers recommend a TI graphing calculator for a range of subjects:

Algebra 1A

Algebra 1B

Algebra 1

Honors Algebra 1

Geometry

Honors Geometry

Algebra 2

Honors Algebra 2

Algebra 3

Discrete Math

Precalculus

Honors Precalculus

Probability and Statistics

AP Calculus AB

AP Calculus BC

AP Statistics

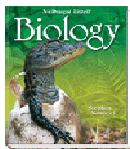
Chemistry

Physics

Biology



SCIENCE



COURSE DESCRIPTIONS



HHS Biology I (CP): This course is designed for students desiring a formal background in biology, and to prepare them for continuing education. It includes laboratory work and extensive study of specimens.

HHS Biology I (H): This honors-level course is for motivated students who need an in-depth and challenging program. Extensive laboratory work and problem-solving are essential components. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more complex material.

Required Lab Fee: CP/H \$10.00 (covers lab materials)

Required Course Materials: Refer to HHS Freshman Academy Website



HHS BIOLOGY I H/CP COURSE UNITS



Semester I:

- Introduction/Lab Safety
- Scientific Inquiry, Metric System, Instrumentation
- Biochemistry & Enzymes
- Cell Structure & Function
- Transport, Homeostasis
- Photosynthesis/Cellular Respiration
- Cell Growth, Cell Cycle
- Mid-Term Exam Review

Semester II:

- Mendelian Genetics
- Human Genetics
- Biotechnology
- DNA Structure & Function, Replication
- Protein Synthesis
- Evolution
- Ecology
- Final Exam Review

FREQUENTLY ASKED QUESTIONS

“What types of labs do you complete throughout the course?”

We complete a variety of labs, computer and hands-on activities throughout the course. Here are just a few...

- *Prokaryotic vs. Eukaryotic Cells*
- *Osmosis Lab (using dialysis tubing)*
- *Crime scene investigations*
- *Genetics probability lab*
- *Evolution of the Beaks of Birds*



- *Rat dissection (body systems overview)*
- *Microscope Lab*
- *Chromatography of Plant Pigments*
- *Yeast Fermentation Lab*
- *DNA Extraction Lab*
- *Culturing Bacteria in Petri Dishes*

**2014– 2015
School Year**



**Science Course
Offerings**

9th Grade:

- Biology I
- Biology I Honors (if B or better in Alg 1H, and 90% or better in science))

10th Grade:

- Physical Science
- Physical Science Honors

11th Grade:

- Chemistry or Chemistry Honors
- Botany/Zoology (if not ready for Chemistry)
- Earth Science (If unsuccessful in Phys Sci)

12th Grade:

- AP Biology Human Biology
- Marine Science Human Bio Honors
- AP Environmental Botany/Zoology
- Physics or PhysicsH AP Chemistry
- AP Physics

Grade Level	9 th	10 th	11 th	12 th
Courses (H Bio)	Biology I Honors	Physical Science Honors or Chem honors (teacher discretion)	Chemistry Honors, Human Biology, Human bio honors, Marine Science, Or AP Courses	AP Environmental, AP Biology, AP Chem, Physics (CP or Honors), Marine Science, Human Biology (CP or Honors)
Courses (CP Bio)	Biology I	College Prep Physical Science	Chemistry, Botany/Zoology, Earth Science	Chemistry, Marine Science Human Biology Physics Botany/Zoology

MID-TERM AND EOC PREP

These are different strategies we utilize to prepare our students for EOC Testing.

- EOC Review Packets/Study guides
- Before/School Review Sessions (snacks provided)
- Pre-test
- USA Test Prep
- Review Booklets/Worksheets
- Biology Workbooks
- Interactive Readers
- Flashcard Review



OUR AMAZING BIOLOGY TEACHERS! (ON TEAM DAY)



**Shanlee Perrone
Sherry Ferguson**

**Della McConnell
Christina Emmons**



HILLCREST HIGH SCHOOL- SOCIAL
STUDIES DEPARTMENT



9TH GRADE COURSE OFFERINGS

CP/Honors Track	AP Track	Electives
World Geography	Human Geography	Law Education
World Geography (H)		



WORLD GEOGRAPHY- DESCRIPTION



- The focus of World Geography is the physical and cultural characteristics of Earth.
 - Topics of region, physical earth dynamics, population, **culture**, economic systems, urban systems, political systems, and the environment.
- Critical thinking will be emphasized in this course, with stress placed on the development of spatial thinking skills and competency related to the five themes of geography:
 - location
 - place
 - regions
 - movement
 - and human-environment interaction.
- **Map-reading skills** and the use of geographic models and geographic information systems will be an integral part of this course.

9TH GRADE COURSE OFFERINGS

CP/Honors Track	AP Track	Electives
World Geography	Human Geography	Law Education
World Geography (H)		



HUMAN GEOGRAPHY- DESCRIPTION



- AP Human Geography is designed to provide the student with a learning experience equivalent to that obtained in most college-level introductory human geography courses.
- Students will be asked to employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences.
- The goals of this course are for students to be able to:
 - Use and think about maps and spatial data
 - Understand and interpret the implications of associations among geographic and social phenomena in places
 - Recognize and interpret at different scales (global, local, national, regional, etc.) the relationships among patterns and processes
 - Define regions and evaluate the regionalization process
 - Characterize and analyze changing interconnections among places and the development of a globalized society



9TH GRADE COURSE OFFERINGS

CP/Honors Track	AP Track	Electives
World Geography	Human Geography	Law Education
World Geography (H)		



LAW EDUCATION- DESCRIPTION



- Law Education is designed to focus on developing in students the knowledge and skills necessary to live in our law-saturated society.
- This course should also help improve students' understanding of fundamental principles and values underlying the US Constitution, laws and legal system, and promote awareness of current issues and controversies relating to law and the legal system.
 - The hope is that all students will be encouraged to be effective and informed participants in our democracy with a greater sense of justice, tolerance, and fairness.

10TH-12TH GRADE OFFERINGS

	CP/ Honors Track	AP Track	Electives
10 th Grade	World History	AP World History	Law Education Sociology Current World Issues Civics (Restricted)
11 th Grade	US History	AP US History AP Psychology	Law Education Sociology Current World Issues Psychology
12 th Grade	Economics Government	AP Macroeconomics AP Government AP Psychology	Law Education Sociology Current World Issues Psychology



WORLD LANGUAGES

World Language Courses

French 1 College Prep	Spanish 1 College Prep
French 2 College Prep	Spanish 1 College Prep Advanced
French 3 Honors	Spanish 2 College Prep
French 4 Honors	Spanish 2 College Prep Advanced
	Spanish 3 College Prep
	Spanish 3 Honors
	Spanish 4 Honors
	Spanish 5 Honors
	AP Spanish Language and Culture

The Benefits of Second Language Study


Second language study benefits academic progress in other subjects:

- Learning another language can enhance knowledge of English structure and vocabulary (Curtain & Dahlberg, 2004).
- Mastering the vocabulary of a second language enhances student comprehension and abilities in reading, writing, mathematics and other subjects. (Saville-Troike 1984)

Second language study benefits higher order, abstract and creative thinking:

- Several studies indicate that individuals who learn a second language are more creative and better at solving complex problems than those who do not. (Bamford & Mizokawa, 1991)
- Language learners show greater cognitive flexibility, better problem solving and higher order thinking skills. (Hakuta 1986)


Second language students score higher on standardized tests:

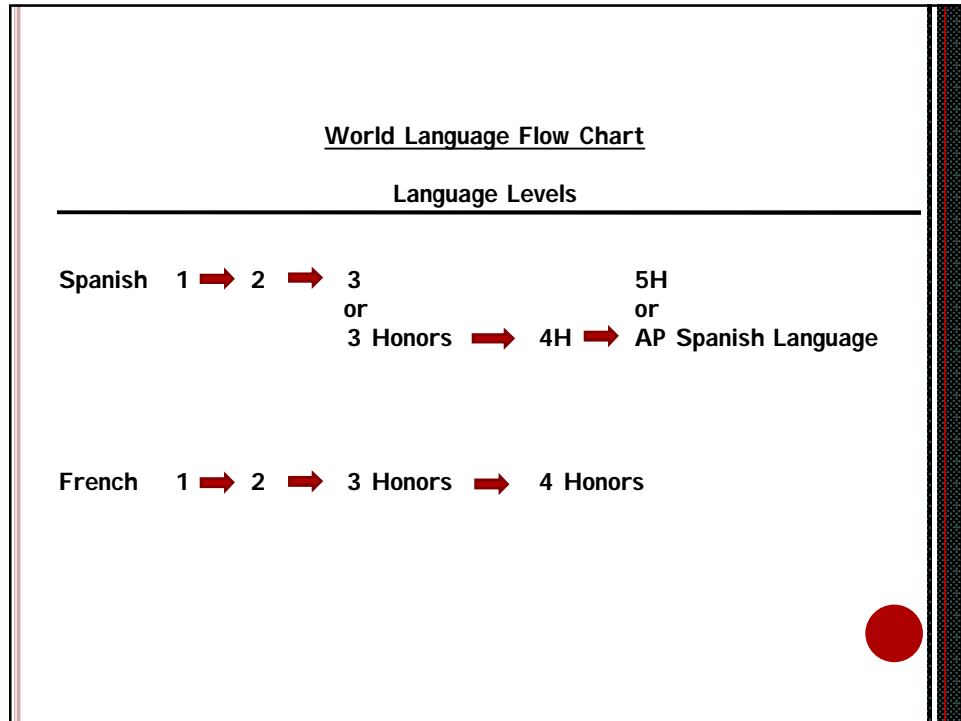
- Students of world languages tend to score higher on standardized tests. Results from the Scholastic Aptitude Test (SAT) show that students who had studied a world language for 4 or more years outscored other students on the verbal and math portions of the test. (College Board 2003)
 - Students who completed at least four years of world-language study scored more than 100 points higher on each section of the SAT than students who took a half year or less. (College Board 2004)
 - World language learners consistently outperform control groups in core subject areas on standardized tests, often significantly. (Armstrong & Rogers 1997, Saunders 1998, Masciantonio 1977, Rafferty 1986, Andrade, Kretschmer & Kretschmer 1989)
 - People who are competent in more than one language consistently outscore monolinguals on tests of verbal and nonverbal intelligence. (Bruck, Lambert, Tucker 1974, Hakuta 1986, Weatherford 1986)
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Second language study improves chances of college acceptance, achievement and attainment:

- Students who were in programs in high school that included at least three years of world language study were likely to earn better grades in college and less likely to drop out. (Horn & Kojaku 2001)
- Graduating high school seniors with two or more years of world language study showed significant superiority in performance on achievement tests in English when compared with non-world language students. (Bastian 1980)

Second language study enhances career opportunities:

- In a survey of 581 alumni of The American Graduate School of International Management in Glendale, Arizona, most respondents said they had gained a competitive advantage from their knowledge of world languages and other cultures. They said that language study was often a critical factor in hiring decisions and in enhancing their career paths. (Grosse 2004)
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HILLCREST HIGH SCHOOL BUSINESS DEPARTMENT



Did You Know?

- We have one of the largest Business Departments in Greenville County.
- We have six Business teachers who utilize five computer labs and one lecture classroom.
- We offer six technology courses and five business courses.



WHERE DO I START?



Most of the Freshmen coming into Hillcrest have already had either Keyboarding or some other equivalent computer class while in middle school.

*If this is the case, students need to begin by taking Integrated Computer Applications (ICA) which satisfies the computer science requirement for graduation. This class goes in depth into the Microsoft Office 2010 software to include: Word, Excel, Access, and PowerPoint.

*If students have not had any keyboarding or other computer experience, they need to take Keyboarding (first semester) and Computer Applications (second semester). This also satisfies the computer science requirement for graduation.



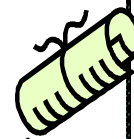
ALL COURSES AVAILABLE IN THE BUSINESS DEPARTMENT

- Accounting I & II
- Business and Personal Finance
- Business Law
- Digital Desktop Publishing
- Entrepreneurship
- Image Editing
- Integrated Computer Apps.
- Keyboarding/Computer Apps.
- Programming I
- Web Page Design



COMPLETER PROGRAM

- We have one of the largest Completer (certificate) programs in Greenville County.
- We offer Completer certificates in the following areas:
 - Accounting
 - Finance
 - General Business
 - Business Information Management
- Students must earn four units made up of two required courses and an additional two complimentary courses in each major in order to be a completer and earn a certificate.
- Every year in the spring, we have an awards ceremony and pizza party for seniors receiving certificates.





INTERESTED IN LEARNING ABOUT **FOOD OR COOKING** TECHNIQUES?

- Foods & Nutrition 1
- Foods & Nutrition 2



INTERESTED IN WORKING WITH CHILDREN
AS A **NURSE, PEDIATRICIAN, TEACHER** OR **CHILD PSYCHOLOGIST** ??

- Child Development 1 & 2




INTERESTED IN BECOMING A **BETTER**
ATHLETE OR **MORE FIT AND FIRM?**

□ Sports Nutrition 1



ALL FACS STUDENTS:

- Participate in **the Bring Your Own Device (BYOD)** program
 - Become eligible to receive a SC Dept. of Ed. **CONCENTRATOR** certificate after taking any FACS class level 1 & 2 + any 1 additional FACS elective
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ARE YOU INTERESTED IN LEARNING ABOUT
BOATING, ARCHERY, SPORTING CLAYS,
WILDERNESS SURVIVAL, OR MAYBE YOU NEED YOUR
HUNTING LICENSE?

- ☐ Agricultural Science
- ☐ Outdoor Recreation
- ☐ Wildlife Management



WHAT ABOUT **GREENHOUSE PRODUCTION,**
OPERATING HEAVY EQUIPMENT, OR MAYBE
 YOU'RE INTERESTED IN A CAREER IN
LANDSCAPING?

- ☐ Agricultural Science
- ☐ Floriculture
- ☐ Intro. Horticulture
- ☐ Landscape Tech 1
- ☐ Nursery/Garden Center



OR MAYBE YOU'RE INTO **ANIMAL PRODUCTION, VETERINARY SCIENCE**
OR MAYBE **HORSES** ARE MORE YOUR SPEED?

- Agricultural Science
- Animal Science
- Intro. Vet. Science
- Small Animal Care
- Equine Science
- Farm Animal Prod.



OH, WE ALMOST FORGOT ABOUT THE BEST PART

- **FIELD TRIPS**

