



We, the members of the Crosby High School Community are committed to providing a safe and welcoming environment that promotes a creative, innovative, and intellectually challenging learning experience to ensure that all students are prepared to become college and career ready in order to be productive members of a diverse society.

CROSBY HIGH SCHOOL COURSE SYLLABUS

Crosby Course Title & Number: Physical Science Honors #430

Instructor's Name: Ms. C. Daniels

Semester & Year: Full Year 2018-2019

COURSE DESCRIPTION

Prerequisite: Teacher Recommendation

Designed for the high achieving student, this course offers an examination of earth science, chemistry, and physics. Analytical skills including the scientific method, measurement, and data analysis are developed. Problem-solving experimentation, and research skills are emphasized.

CLASSROOM FORMAT

This course uses a variety of classroom methods, including class discussions, group work, individual work, labs, student written and oral projects, and active student participation. Students are expected to participate in, and complete all aspects of required work to the best of their ability. Student achievement will be evaluated in a holistic manner, taking into account all aspects of their performance.

COURSE GOALS/LEARNING OBJECTIVES

This academic year, Waterbury Schools are implementing the new Next Generation Science Standards (NGSS); which include a 3 - Dimensional Framework that covers Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts. Students will become proficient in the scientific method, graphing and analyzing data, and planning and carrying out investigations in order to develop and use models to explain natural phenomena. The following NGSS Standards will be covered throughout the school year:

ESS1.A: The Universe and Its Stars	ETS1.B: Developing Possible Solutions
ESS1.C: The History of Planet Earth	ETS1.C: Optimizing the Design Solution
ESS2.A: Earth Materials and Systems	MP.2: Reason Abstractly and Quantitatively
ESS2.B: Plate Tectonics and Large-Scale System Interactions	MP.4: Model with Mathematics
ESS2.D: Weather and Climate	PS1.C: Nuclear Processes
ESS3.A: Natural Resources	PS3.D: Energy in Chemical Processes
ESS3.B: Natural Hazards	PS4.A: Wave Properties
ESS3.C: Human Impacts on Earth Systems	PS4.B: Electromagnetic Radiation
ESS3.D: Global Climate Change	PS4.C: Information Technologies and Instrumentation
ETS1.A: Defining and Delimiting Engineering Problems	

REQUIRED TEXTBOOK AND MATERIALS

Pearson, Physical Science: Concepts in Action (kept in the classroom at all times except special situations)

- 1) 3-Ring binder
- 2) Pencils
- 3) Loose leaf paper
- 4) Folder with pocket, to keep homework
- 5) Highlighters
- 6) Colored pencils

COURSE POLICIES

- Attendance and Tardy Policy
 - Attendance Policy: Please refer to the district policy located on the Crosby website or in the student handbook (<https://goo.gl/nSz4er>)
 - Students who are tardy to a class 3 times will serve a detention issued by the classroom teacher. Each subsequent tardy will be a referral to the office for disciplinary action.
- Late Work Policy
 - Refer to district grading policy or see the link at the bottom of the page.
- Academic Dishonesty - Academic dishonesty shall in general mean conduct which has as its intent or effect the false representation of a student's academic performance, including but not limited to:
 - a. Cheating on an examination
 - b. Collaborating with others in work to be presented, contrary to the stated rules of the course
 - c. Plagiarizing, including the submission of others' ideas or papers (whether purchased, borrowed or otherwise obtained) as one's own
 - d. Stealing or having unauthorized access to examination or course materials
 - e. Falsifying records, laboratory or other data
 - f. Submitting, if contrary to the rules of a course, work previously presented in another course
 - g. Knowingly and intentionally assisting another student in any of the above, including assistance in an arrangement whereby any work, classroom performance, examination or other activity is submitted or performed by a person other than the student under whose name the work is submitted or performed.

Students should not give or receive aid during examinations, quizzes, tests or lab assignments. Students should not use answers to examinations, quizzes and tests written on cheat sheets, clothing or body parts, or obtained from others who have taken the same test prior to them. Students should not use in any written work, without proper acknowledgement, the wording of any sentence or part of a sentence of another author without acknowledgement of the original author. Students should not use calculating devices during tests where calculators are not permitted.

Plagiarism according to The American Heritage Dictionary of the English Language, Fourth Edition, 2000, is "1. A piece of writing that has been copied from someone else and is presented as being your own. 2. The act of plagiarizing: taking someone's words or ideas as if they were your own." If you copy another's work in a paper, for instance, you must put the copied material in quotation marks and footnote or endnotes. If you restate the language or thoughts of another in your own words, you are paraphrasing. Omit the quotation marks, but footnote or endnote the original source. Not to attribute the idea to the original person is to plagiarize. In general, it is better to acknowledge too many sources than too few.

Plagiarism, as defined above, is considered a serious academic offense. According to Connecticut statute, plagiarism is a criminal act and classified as a Class "B" misdemeanor. The teacher, in conference with an administrator, will exercise his/her professional judgment when determining an appropriate penalty for a project that has been plagiarized. The nature of the penalty should be relative to the magnitude of the offense. Examples of penalties that will be invoked are: a zero for the project, an "F" for the course, and/or referral to the proper authorities. The teacher and administrator will determine if the student may be permitted to complete the paper properly, or write an entire new paper properly. These and other penalties will not be imposed when the classroom teacher determines that the sources in a paper have been mis-cited. The teacher

with the administration will determine the extent of grade reduction and possible suspension or referral to authorities. (Obtained from Tunxis Community College Handbook)

CODE OF CONDUCT

- Profanity
 - The use of profanity in school is unacceptable and can result in an office referral.
- Cell Phone Usage Policy
 - Cell phones **MUST BE** off and away other than when approved by the teacher for academic purposes
 - 1st offense: Confiscate, warning and notify parent, return to student at the end of the school day.
 - 2nd offense: Confiscate, in school suspension or after school detention, item to be returned to parent/legal guardian only at the end of the school day.
 - 3rd offense: Confiscate, out of school suspension, item to be returned to parent/legal guardian only at the end of the school day. (<https://goo.gl/FMxNyt>)
- Disposition Toward Learning

COURSE GRADING (Per District Policy) *Student/Parent Handbook:* <https://goo.gl/rsFr95>

60% Assessments
20% Classwork
10% Disposition Toward Learning
10% Homework

Grading Scale:

A= 90-100

B= 80-89

C= 70-79

D= 65-69

F= 0-64

Crosby's Grade 9 Academy using a unique and holistic approach to grading. Assignments will be graded based on the outcomes outlined below. These outcomes were carefully chosen as we believe they best reflect the qualities needed to succeed in college and/or the workplace.

Knowledge and Thinking: The ability to reason, problem-solve, develop sound argument or decisions, and create new ideas by using appropriate sources and applying the knowledge and skills of science.

Written Communication: The ability to effectively communicate knowledge and thinking through writing and structuring ideas, while using proper scientific knowledge.

Oral Communication: The ability to communicate knowledge and thinking through effective oral presentations.

Collaboration: The ability to be a productive member of diverse teams through strong interpersonal communication.

Agency: The ability to develop and reflect on one's growth, mindset, as well as demonstrate ownership over one's own learning.

STUDENT SUCCESS

At Crosby High School, we are dedicated to our students' success. If you are having difficulty with any assignments, please do not hesitate to contact me. The Science National Honor Society offers tutoring on Thursdays, after school, from 2:00pm-3:30pm in room 115D (late buses are provided). Students will be given the opportunity to retake a quiz or test if they score a grade of 69 or lower. The guidelines for this opportunity are as follows:

- Remediation occurs after school ONLY (not during class)
- You must review the information with myself or a Science National Honor Society Tutor
- Students must schedule a tutoring session within 10 days of receiving the grade

It is the student's responsibility to retrieve the assignments and the notes missed when absent for any reason. Make-up work cannot be completed in class. If a student missed a quiz, test, or assignment that must be completed in class, they will be required to make-up this work on Thursday after school, in class.