

Introduction

The goal of the science department at Rocky Hill High School is to provide a challenging learning experience for all students. This is accomplished by offering a variety of courses in the different disciplines of science at several levels. Our courses provide students with hands-on lab experiences, data interpretation, and critical reading and thinking using the inquiry method. The goal is for students to be able to make informed opinions and decisions about theories and current scientific issues. Students are expected to write lab reports and do regular homework to reinforce concepts.

As a freshman, there are two course options: 9th grade science (at the honors, academic, or general level) and biology offered only at the honors level for freshmen. These courses are described inside this pamphlet. Eight grade teachers have recommended students based on current student performance.

Course Offerings

CORE CURRICULUM

9th Grade Science
Biology
Chemistry
Physics

ELECTIVE OFFERINGS

Botany
Human Anatomy & Physiology
UConn Biology
UConn Chemistry
UConn Physics
UConn Horticulture
CT River
Forensic Science

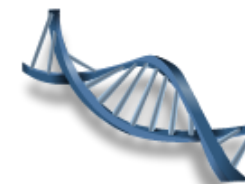
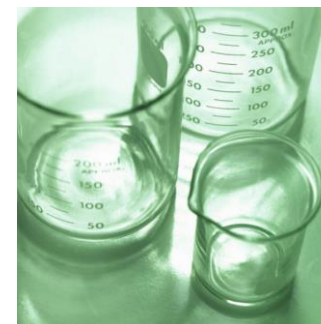
Science Faculty

Dr. Sharon Parker, Supervisor
Ms. Kimberly Antol
Mrs. Leanna Bran
Mr. Matt DeBacco
Mr. David DeCarli
Mr. Michael Fagan
Ms. Keela Parsons
Mrs. Jacqueline Schlosser
Mr. Timothy Walsh

Science Department



Freshman Course Offerings



A Perspective for Parents

Rocky Hill High School
Rocky Hill, CT

9th Grade Science Option



Honors 9th Grade Science: SC 500

This college-prep course is a contemporary interdisciplinary approach to the study of physical and Earth science. The curriculum covers the national Next Generation Science standards. Topics of current interest are incorporated into classroom discussions and laboratory investigations. Academically and self-motivated students selecting this top level freshman course should be able to read informational texts, write coherent sentences and paragraphs, plot data on graphs, draw conclusions from data using an understanding of underlying concepts and demonstrate proficient organizational and study skills. There is outside reading required as well as written lab reports and projects.

Academic 9th Grade Science: SC 502

This course is also for the college bound student. Topics and curriculum remain the same as the Honors level, but the students are provided with more scaffolding to meet the learning expectations. Homework and lab reports are expected. Students should also be strong readers and writers. It is strongly suggested that students be in Academic 9th grade English to also be placed into this level. Students are expected to work independently in and out of class to complete assignments.

General 9th Grade Science: SC 504

This course is designed for the student who needs to improve reading and writing skills. Students are provided structure and guidance to develop these skills. Students should have the ability to read text for understanding and write paragraphs. Facility with the use of calculators and simple math is needed. Students will perform laboratory experiments and write lab reports.

Biology Option

Some freshmen may accelerate their science course progression by going directly into Honors Biology, which is a sophomore course. This student must be a mature, independent learner who needs a minimum of direction. The text book used for this course is at the community college reading level. Outside class reading is expected. Students may be assigned several simultaneous assignments. Students must have a strong command of foundational science concepts that would otherwise be reinforced in the honors 9th grade curriculum.

Honors Biology: SC 510

Students are recommended to take this sophomore course based on their maturity and ability to work at the high school level. Students must be highly self-motivated.

