

Cheverly STEM 2025-26

Science Classes

Course Title	Teacher	Day/Time	Grade	Description
Cell Biology & Genetics	Anise Bowman	Tue/Thur 11:00-12:00	9-12	This is a class for students who have already taken biology and are interested in delving more into the working of the cell and genetics. Cell biology will be taught in the fall semester, focusing on the structure, function and behavior of cells. Genetics will be taught in the spring semester focusing on heredity, genes and the genetic variation of organisms.
Biology	Anise Bowman	Tue/Thur 10:00-11:00	8-9	This class will focus on the study of living organisms, in particular cells, genetics, evolution and ecology. The class will focus on lecture, class discussion and lab activities and is ideal for upper middle school or high school students. Homework and nightly study should be expected.
Organic/ Biochemistry	Ann Caldwell	Tue/Thur 1:00-2:00	10-12	Organic Chemistry will be taught in the fall and will explore the structure, properties, composition and reactions of carbon-containing compounds. Most organic compounds contain carbon and hydrogen, but they may also include any number of other elements (e.g., nitrogen, oxygen, halogens, phosphorus, silicon, sulfur. Biochemistry will be taught in the spring and focus on main categories of biological molecules. This class is ideal for high school students and requires focus and maturity, especially due to the nature of the lab activities. Unlike regular high school chemistry, this class is not heavy with algebraic understandings. While it is helpful for students to have taken Intro to Chem or HS Chem. This class will have regular homework.
Intro to Chemistry	Ann Caldwell	Wed 1:00-2:00	7-9	This class will focus on all the most interesting and fun concepts of chemistry, without the burden of math. This is ideal for upper middle school students or high school students. This class will involve hands-on lab activities as well as some lecture and discussion. Students will be active participants as we explore measurement, mixtures, solutions, the periodic table, atomic theory and chemical reactions - truly this is how chemistry should be taught. Some homework and student projects can be expected.
Matter & Molecules	Ann Caldwell	Wed 10:00-11:00; 11:00-12:00	5-6; 7-8	This is our level 1 chemistry class. It is designed for middle school students. We will explore facets of matter and molecules with student discussion and daily hands-on activities. Students will be engaged in activities, with light note-taking from class discussion. Although there's no nightly homework, there will be student projects.
Physical Science	Ann Caldwell	Wed 1:00-2:00 2:00-3:00	5-7 8-10	This class is an introduction to the main principles of motion and will engage students in activities to test and collect data. This course is ideal for middle school students interested in physics. Class will be divided between discussion and hands-on activities. Little or no homework can be expected.
Zoology/Ecology	Tonya Johnson	Wed 10-11:00; 11:00-noon	7-8; 9-10	This class is sponsored by MNCPP. Visiting naturalists bring exhibits and projects to our students each week. Students will study plants, animals, other living organisms, and the environments they depend on. This is a very hands-on science class, with plenty of lab activities. Little or no homework can be expected

