



## Physical Science

Honors & Academic

The purpose of this course is to provide students with an introduction to the basic unifying concepts and processes of science. This includes the structure of atoms, structure and properties of matter, chemical reactions, force and motion, conservation of energy, interactions of energy and matter. This course is traditionally taken by 9th grade students.



## Biology

AP, Honors & Academic

Biology is a survey course that takes a glimpse at many different aspects of living things. The Biology journey carries students through biochemistry, cells, cell processes, genetics, evolution, ecology, classification of organisms and ends in the systems of the human body. This is a required course for high school graduation and has a mandated End of Course Exam. This is typically taken in 9th or 10th grade. AP is taken after Bio Honors and Chem Honors, with teacher approval.



## Chemistry

AP, Honors & Academic

Chemistry is the study of matter in the world around us. In this course, students use math to solve problems and conduct various experiments to reinforce concepts learned in class. All students interested in pursuing a science degree are strongly encouraged to enroll. Students must be taking or have completed Algebra 2. This course may be taken in grades 10-12.

## River Ridge High School Science Course Offerings



2021

2022



## Earth/Space

Honors & Academic

This course is recommended for students that are interested in learning about the structure of earth, climate, weather, resource management, space exploration, our solar system, and beyond. This class is open to students that have completed Biology and are fulfilling their 3rd science credit. It can also be taken as an elective for those interested in taking additional science classes.



## Marine Science

Honors 1, 2 & Academic

The Marine Sciences provide an overview of the marine environment. Students will study the chemical, physical, & geological aspects of the marine environment, as well as the diverse marine organisms and ecosystems. This class is open to juniors and seniors who are fulfilling their 3rd science credit. It is also taken as an elective for those interested in taking additional advanced science classes.



## Environmental

AP & Academic

Environmental Science is a fun and exciting class that covers many local and current events. Topics focus on the impact that humans are having on the environment. We use several sciences to determine these effects like biology, ecology and chemistry. This class is typically taken by juniors or seniors that are meeting their 3rd science requirement.



## Anatomy & Physiology

Honors

This course is designed for those students interested in pursuing a health related career. The focus of this class is the internal components of the human body, where they are located, how they work, and their interactions with other organs. Several labs and dissections are done throughout the year. This course is typically taken by honors level 11th and 12th grade students who have successfully completed Biology.



## Forensic Science

Academic

This course is recommended for students that are interested in learning about the science used to solve crimes by integrating prior knowledge of Anatomy, Biology, Chemistry and Physics. This class is open to students that have completed Biology and are fulfilling their 3rd science credit. It can also be taken as an elective for those interested in taking additional science classes.