



## BIOLOGY

This course presents an in-depth study of biology including such areas as cellular biology, life functions, genetics, evolution, ecology, and human anatomy and physiology. Students are expected to understand biological terminology and work in laboratory situations.

## MICROBIOLOGY

Microbiology will provide students with hands-on experiences studying the microscopic world. It is the study of those massive amounts of organisms which impact our lives and evolution, but we cannot see without tools. Students will be responsible for utilizing the microscope to make and interpret observations, designing and conducting experiments and analyzing and sharing their results.

## What is Biotechnology?

**Biotechnology** is technology that utilizes biological systems, living organisms or parts of this to develop or create different products that help improve our lives and the health of our planet.

Additional courses in the program available to students include Earth and Space Science, Physical Science, Anatomy & Physiology, and Chemistry

## ISSUES IN BIOTECHNOLOGY

This course will introduce students to the topics of Biotechnology and prepare them for the lab course (Biotechnology I). This course is designed to give students a working knowledge of DNA, genetics and biotechnology. It will also present the variety of applications in biotechnology, and career opportunities in fields related to biotechnology.

## BIOTECHNOLOGY

This course is intended to provide students with a background and basic skills that they will need to enter a beginning level biotechnology position. Topics include cell fundamentals, genetics, cloning, agricultural biotech, gene transfers, cell culturing, ethical issues, and a survey of applications and careers within this field. This is a hands-on, laboratory based course, with an emphasis on techniques and skills used in a lab setting.

### Program Highlights

Lab Experience

Honors Curriculum

College Preparation

Work Based Learning

Internships Available

**Get more from high school.** The possibilities with a career & technical education are endless.

For more information: [charihotech.chariho.k12.ri.us](http://charihotech.chariho.k12.ri.us)