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Methods of Contact

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Courses for the 2026/27 School Year
Biology Course Overview
NHS Advisor



Biology

Syllabus

Course Description
Welcome to Biology!
Welcome to biology, a vibrant, fast-paced science that uncovers the deepest mysteries of the living world! From the inner workings of a single cell to the vast, complex relationships shaping entire ecosystems, there is a breathtaking amount of life to explore.

Stepping into this field means immersing yourself in a rich, rewarding new vocabulary. It is less like memorizing a list of terms and more like unlocking a hidden language that describes how the world breathes, adapts, and evolves. Because of this, success here goes far beyond flashcards. You will be challenged to figure out the exact mechanisms of how and why organisms survive, connecting what you see with your own eyes to the invisible molecular engines driving it all underneath.

Most importantly, you won't just be reading about science, you will be an active investigator. You will dive headfirst into the scientific process, training your brain to spot patterns, ask sharp questions, design experiments, dissect complex data, test hypotheses, problem-solve, and translate your discoveries into powerful, clear arguments. While tools and technology change, the ultimate superpower of a great biologist is sharp observational instinct, the ability to look closely at nature and notice what everyone else misses. I look forward to a successful and rewarding year together!

This course is designed to prepare you for future study at the collegiate level and will provide a strong foundation in biological concepts and skills.

Please come to class each day prepared with:

1. a dedicated notebook
2. a folder for handouts and assignments
3. appropriate writing utensils
4. Chromebooks, while Chromebooks will not be used regularly during class, all course materials will be available on Google Classroom for use at home when needed.

Topics covered by Unit:

- Marking Period 1
    - Unit 0: Introduction to Science
    - Unit 1: Chemistry of Life
    - Unit 2: Cell Structure and Function
- Marking Period 2
    - Unit 3: Cellular Energetics
    - Unit 4: Cell Communication & Cell Cycle
- Marking Period 3
    - Unit 5: Heredity
    - Unit 6: Gene Expression & Regulation
- Marking Period 4
    - Unit 7: Natural Selection
    - Unit 8: Ecology



National Honors Society

Description
The National Honor Society (NHS) is a prestigious organization in the United States that recognizes high school students who have demonstrated excellence in the areas of scholarship, leadership, service, and character. Students eligible for NHS membership typically maintain a high GPA and exhibit strong leadership skills through involvement in school and community activities. Service to the community and good character are also key criteria, reflecting a commitment to ethical behavior and positive contributions to society. NHS members are expected to continue their exemplary performance both academically and in their service to others, serving as role models within their school communities.

NHS Application Eligibility Requirements

NHS Application