



2024-2025

Rapid City
Stevens High School

Biology 2

RCAS Policies/Procedures:

Students will be required to follow all RCAS policies and procedures. To view the RCAS High School Student Handbook, click [handbook](#).

Course Description:

Biology II emphasizes heredity, mechanisms of genetic change, and ecology.

Textbook:

Biology by Miller & Levine. Published by Pearson.

ISBN 978-0-13-323575-6

Required Resources:

N/A

“Limited Choice” Resources: (students will be asked to choose at least one title from this list)

N/A

Student Choice:

Will student be asked to choose additional reading material from the classroom or school library?

No

Essential Questions:

How are the characteristics from one generation related to the previous generation?

How can there be so many similarities among organisms, yet so many different plants, animals, and microorganisms?

How does biodiversity affect humans, and how do humans impact biodiversity?

How do matter and energy move through ecosystems?

How do organisms interact with their environment to obtain matter and energy?

Essential Learning Intentions:

Students can predict inheritance patterns using specific traits.

Students can show how the survival of a population is impacted by natural selection.

Students can describe how the evolution of specific traits can contribute to a species' survival.

Students can determine how abiotic factors play a role in how organisms interact with their environment.