

## Biology I Syllabus

### 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 I emphasizes the building blocks of living organisms from molecules to cells, cell structures, cell processes, energy flow, and genetics.

### Grading

Points shall be awarded for assignments, labs, quizzes, and projects. Points will be awarded and collected cumulatively throughout the semester.

### Textbook

Biology by Miller& Levine. Published by Pearson. ISBN 978-0-13-323575-6

### Reading

N/A

### Optional Reading

N/A

### Instructional Resources

- Canvas.com
- Khanacademy.org
- Biomanbio.com

### Essential Questions

- What are the roles of macromolecules in cellular processes?
- How do the structures of organisms enable life's functions?

### Essential Learning Intentions

- Students can compare and contrast the structure and function of the four macromolecules.
- Students can describe how the code of DNA is transcribed into messenger RNA and is utilized to synthesize a protein.
- Students can model the differences between mitosis and meiosis.