

**Elizabethtown Area School District
Scope & Sequence - Quick Reference**



Department: Science

Course: Honors Biochemistry/Biotechnology

Grade Level(s): 11-12

Course Description: This lab-centered course examines the chemistry of the life processes. Three major units are studied during the semester. Unit one examines basic organic chemistry: the chemistry of carbon compounds, which form the background for all biologically important compounds. In unit two the focus is on the biological molecules: carbohydrates, lipids, proteins, and nucleic acids. The final unit is biotechnology: techniques used to extract, manipulate and analyze DNA will be learned and performed in the laboratory.