



Mr. Silluzio
BioMed Lesson Plan
Date: 9/4/2018

Topic: Macromolecules

Summary: After some whole class instruction relevant to macromolecules, students will use models to construct these molecules.

Goals/Objectives:

- Understand the structure and various functions of Carbohydrates, Lipids, proteins and nucleic acids.
- Using models, gain a better understanding of molecular structure.
- With special focus on proteins, understand the functions of specific types of proteins and the critical role the understanding of proteins plays in the field of biomedical science.

Standards:

- Students will understand the similarities and differences between the four major biological molecules.
- Students will understand the structure and function of various proteins as well as the roles of other molecules that function in protein regulation.
- Students will learn microscope basics including parts of a compound light microscope, different types of microscopes, and how microscopes work.

Time Required: 1 80 minute period

Prerequisite Knowledge: Review activity

Accommodations: All hard copies are backed up online. All students due to small class size are closely supervised.