



Mr. Silluzio
Biomedical Science Lesson Plan
Date:

Topic: Research Presentations: Enzyme function and biomedical interventions.

Summary: Students will give their first oral presentation of year. Their audience will be their classmates. While the rubric for this research project does not include grading for presentation skill, the instructor will take notes and meet individually with students about ways to improve on oral presentations. Students are required to provide specific information about an assigned high profile enzyme and give special attention to its role as a target for designer medications.

Goals/Objectives:

Students will understand 1) that enzymes are found not only in living cells but also in viruses, 2) that some of these enzymes play critical roles in not only cellular processes but also in viral replication and 3), medications designed to interact either directly with the enzyme or the gene that controls have and continue to have great impact on our ability to manage disease.

Standards:

[Corresponding Curriculum](#)

Time Required:

1- 80 minute Period

Prerequisite Knowledge:

Basic understanding of gene translation, polymer/monomer models, hierarchy of protein structure and the induced fit model (enzymes).

Accommodations:

Notes, resources and enrichment material are available on a class webpage.