



Mr. Silluzio
BioMed Lesson Plan
Date:

Topic:

- **Application of knowledge of DNA Structure and DNA replication.**
- **Use of DNA Gel Electrophoresis to compare DNA samples.**
- **Lab technique Gel Electrophoresis.**

- **Summary:** Students will prep for lab during the first session this week and complete the lab during the next session. During the prep session, students will practice using the micropipets and run through procedures setting up the Gel chambers.

Goals/Objectives:

- Students will understand that the structure of the DNA molecule allows for its simple replication
- Understand that enzymes involved in DNA replication do not need to be in living systems in order to function.
- Understand lab technique associated with successful DNA electrophoresis analysis.

Standards:

[Click here for corresponding learning standards](#)

Time Required:

3 80 minute periods

Prerequisite Knowledge:

Full understanding of DNA replication.

Accommodations:

All notes and various enrichment materials are available on line.