



**Mr. Silluzio**  
**Biology Lesson Plan**  
**Date: 9/19 & 9/20**

**Topic: Introduction to Chemistry of Life: Properties of Water**

**Summary:** Students will investigate [properties of water](#) by observing the behavior of water and other materials in the presence of water.

**Goals/Objectives:**

- Understand the difference between a covalent bond and a **polar** covalent bond.
- Understand the difference between an ion and a polar molecule.
- Be able to answer the question – “why is water a polar molecule?”

**Standards:**

[Corresponding Curriculum](#)

**Time Required:**

1 80 minute periods

**Prerequisite Knowledge:**

Basic understanding of covalent bonding and polarity

**Homework:** Assigned reading – Campbell Biology Concepts and Connections CH2 & 3

**Accommodations:**

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