**Science Olympiad Lesson Plans**

**Lesson plans are subject to change and are used as a guide.**

Teacher: Mrs. Paul

**Week of 8/21/17 to 8/25/17**

**Objectives:**

**Students will be able to students will be able to identify the parts of a microscope and their function.**

**Students will be able to identify basic lab tools and describe their function.**

**Students will be able to identify the parts of a triple beam and how to read it.**

**Students will be able to read the volume of a liquid using a graduated cylinder**

**Students will be able to interpret a dichotomous key.**

**Monday:**

**Learning Target: I can identify basic lab tools and describe their functions. I can find the mass of an object by reading a triple beam balance. I can find the volume of a liquid by reading a graduated cylinder.**

**Class work:** Students will complete a worksheet identifying basic lab tools and their function. Students will complete a quiz over the parts of the microscope. Students will go online and practice reading a graduated cylinder and a triple beam balance at the following websites:

<http://www.wisc-online.com/objects/ViewObject.aspx?ID=gch302>

<http://www.ohaus.com/input/tutorials/tbb/TBBread.html>

**Tuesday:**

**Learning Target: I can read a graduated cylinder to find the volume of a liquid.**

**Classwork:** Students will complete a lab over volume.

**Wednesday**

**Learning Target: I can read a dichotomous key.**

**Classwork:** Students complete a quiz over the parts of the microscope. Students will complete a worksheet using a dichotomous key.

**Thursday:**

**Learning Target: I can read a dichotomous key .**

**Classwork:** Students will complete a worksheet using a dichotomous key.

**Friday:**

**Learning Target: I can demonstrate proficiency on the bioprocess skills test by getting a 70%.**

**Class work:** Students will complete a test over bioprocess skills.