**Science Olympiad Lesson Plans**

**Teacher: Mrs. Paul**

**Week of 10/16/2017- 10/20/2017**

**Objectives:**

**Students will be able to write and follow detailed procedures.**

**Students will be able to be able to describe what a biome is.**

**Students will be able to identify biotic and abiotic factors in an ecosystem.**

**Students will be able to explain how populations, communities, ecosystems and the biosphere are related.**

**Students will be able to describe the function of producers , consumers and decomposers in an ecosystem.**

**Students will be able distinguish between a food web and a food chain and how the energy flows through a food web.**

**Monday:**

**Learning Target: I can Class work:** Students will go over classroom rules and procedures .Students will be given a science contract that will be discussed and needs to be signed by Friday. Students will view the different events for the 2016-2017 school year and go over what science Olympiad is.

Video Link: <https://www.youtube.com/watch?v=RsC0UR6exZA>

**Tuesday:**

**Learning Target: I can write and follow detailed procedure.**

**Class work:**  Students will complete a write it do it activity where one person writes a procedure , while the “doer” constructs the object from the detailed procedure.

**Wednesday:**

**Learning Target : I can write and follow detailed procedure.**

 **Class work:** Students will complete a write it do it activity where one person writes a procedure , while the “doer” constructs the object from the detailed procedure.

**Thursday:**

**Learning Target :I can define biome and distinguish the difference between a desert and grassland biome.**

**Class work:** Students will read page 48, 52& 53.Students will read page 4-7 and define ecosystem and explain how populations, communities, and ecosystems make up the biosphere.

**Friday:**

**Learning Target: I can describe the function of producer, consumers and decomposers in an ecosystem and, how the energy flows in a food chain and a food web.**

**Class work:** Students will read page 8-13 and complete notes over the section. Students will create a food chain of organisms in a desert biome and a grassland biome.