Lesson Plan – Period 5

Unit **:** One – Characteristics of Life

Section:One - The Nature of Science and Experimental Design - Notes

Date(s)Thursday September 7, 2017

Grade Level: 10

Objectives:

* Explain the purpose of science.
* Describe the scientific method.
* Identify key aspects of well-designed experiments.

Standards: (NGSS Standards & Keystone Anchor Descriptors)

**ETS1.B: Developing Possible Solutions**

**BIO.A.1.1** = Explain the characteristics common to all organisms.

* **BIO.A.1.1.1** = Describe the characteristics of life shared by all prokaryotic and eukaryotic organisms.

Procedures:

* Students will be asked the warm – up question, “Why is science important?” This will be answered on a note card and collected as an informal assessment.
* As a class the notes will be gone through with the aid of the PowerPoint
* Throughout the lesson there are points where students will be asked to stop and think about the material and answer a “Check for understanding” Question. Students will be given 1-3 minutes to answer the question. The question will be discussed for another 1-3 minutes before moving on with the notes.

Materials:

Section 1 PowerPoint Presentation

Apple TV hook-up

Section 1 structured notes – handout

Vocabulary Sheet

Assessment(s)

* Informal assessments – Warm up question; Check for understanding questions
* Vocabulary sheet for Section 1 - assigned

Accommodations/Adaptations:

**Adaptation –** Structured notes are considered and adaptation for many 504s in the class. However, each student is given them because each benefits from them.

Self Evaluation: **See attached.**