Trailblazer Lesson Plans

Mrs. Paul: **Science**

**Week of 8/28/2017- 9/01/2017**

**Objectives:**

**Students will be able to calculate the average for a given set of data.**

**Students will be able to use quantitative data to formulate and support a reasonable conclusion.**

**Students will be able to make data tables and graphs.**

**Students will be able to identify the independent, dependent variables in an experiment.**

**Students will be able to write a hypothesis in an if then statement.**

**Monday:**

**Learning Target: I can calculate the average for a given set of data. I can create a data table.**

**Bell work:** Students will complete vocab over scientific inquiry.

**Class work:** Students will calculate the average for a given set of data and practice making data tables

**Homework:** Students will complete homework over averages.

**Tuesday:**

**Learning Target : I can find the IV and DV for a given scenario. I can make a graph.**

**Bell work:** Students will complete a worksheet on scientific method definitions.

**Class work:** Students will complete practice finding the IV and DV in a given scenario. Students will practice making a graph.

**Homework:** Study for quiz over averages and identifying IV and DV.

**Wednesday:**

**Learning Target : I can design and conduct a scientific investigation.**

 **Bell work:** Students will practice making a data table.

 **Class work:** Students will complete a quiz over averages and IV &DV’s . Students will write up the spaghetti bridge lab.

**Homework: None**

**Thursday:**

**Learning Target : I can conduct a scientific investigation, analyze data and draw a conclusion.**

**Bell work**: Students practice making data tables and interpreting graphs.

**Class work:** Students will conduct a lab on spaghetti bridges. .

**Homework: None**

**Friday:**

**Learning Target: I can conduct a scientific investigation, analyze data and draw a conclusion.**

**Bell work**: Students will worksheet over science vocab.

**Class work:** Students will watch several videos on engineering and complete notes over the engineering design.

<https://www.youtube.com/watch?v=D9I35Rqo04E> 1st video

<https://www.youtube.com/watch?v=RM04n0-QtNo> 2nd video

<https://www.youtube.com/watch?v=zrAl6JQ3sb4> 3rd video

<https://www.nasa.gov/audience/foreducators/best/edp.html> Steps of engineering process by Nasa

**Homework:** None