Trailblazer Lesson Plans

**Mrs. Paul:** **Science**

**Week of 8/27/18 to 8/31/18**

**Learning Targets**

**I can describe the engineering process.**

**I can identify the independent, dependent variables in a scientific investigation.**

**Monday:**

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

**Bell work:** Students will interpret a graph.

**Class work:** Students will complete the lab from Friday. Fourth hour will conduct a secondary investigation.

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

**Tuesday:**

**Learning Target: I can describe the steps of engineering process**

**Bell work:** Students will identify IV and DV.

**Class work:** Students will take a quiz over IV, DV, and averages.Students will watch videos over engineering design and complete notes over 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: Study for quiz over data tables.**

**Wednesday:**

**Learning Target: I can make a data table and carry out the engineering process.**

**Bell work:** Students will complete questions over the engineering process.

**Class work:** Students will brainstorm and design a prototype of a bridge.

**Homework:** None

**Thursday:**

**Learning Target: I can describe the steps of engineering process**

**Bell work:** Students will complete question over the engineering process.

**Class work:** Students will redesign and improve their prototype.

**Homework: Study for quiz over the engineering process.**

**Friday**

**Learning Target:**  **I can generate a solution to solve a problem.**

**Bell work:** Students will review for quiz.

**Class work:** Students will test their redesign, and complete a quiz over the engineering process.

**Homework: None**