**Trailblazer Lesson Plans**

***Lesson plans are only a guide and are subject to change.***

**Mrs. Paul: Science**

Week of 1/08/18 to 1/13/18

**Objectives:**

**Students will be able to classify energy resources as renewable and nonrenewable**

**Students will be able to explain the pros and cons associated with renewable and nonrenewable energy resources.**

**Students will be able to design a pipeline to transport oil in an environmentally responsible way.**

 **Monday:**

**Learning Target:** I can describe nonrenewable energy resources.

**Bell work:** Students will complete questions over nonrenewable energy resources.

**Classwork:** Students will read page123- 129 and complete notes over the section.

**Homework**: None

**Tuesday:**

**Learning Target:** I can describe the different types of renewable energy resources and describe the pros and cons associated with them.

**Bell work:** Students will complete questions over renewable and nonrenewable energy resources.

**Class work:** Students will read page 130-135 and complete notes over the section. If time allows students will view short videos over renewable energy resources.

<https://www.youtube.com/watch?v=T4xKThjcKaE> renewable energy

<https://www.youtube.com/watch?v=HciKU63dLtA> solar energy

<https://www.youtube.com/watch?v=Z5c50-_hcD0> wind energy

<https://www.youtube.com/watch?v=mtlvjo5nSqo> wind energy

<https://www.youtube.com/watch?v=DFQrE91kZwk> geothermal

<https://www.youtube.com/watch?v=VhBq0E53WD0> geothermal

<https://www.youtube.com/watch?v=q8HmRLCgDAI> hydroelectric

<https://www.youtube.com/watch?v=yHWcddUZ35s&t=104s> biomass

<https://www.youtube.com/watch?v=nVl17JLn_u0> biomass

**Homework:** Students will complete a work sheet over key terms.

**Wednesday:**

**Learning Target:** I can design and construct a pipeline that can transport oil in an environmentally friendly way.

**Bell work:** Students will read a passage over the keystone pipeline.

**Class work:** Students will design a pipeline to transport oil.

**Homework**: None

**Thursday:**

**Learning Target::** I can design and construct a pipeline that can transport oil in an environmentally friendly way.

**Bell work:** Students will complete questions over energy resources.

**Class work:** Students will build and test their pipelines to determine their feasibility.

**Homework:** Students will complete a paragraph reflecting on their design.

**Friday :**

**Learning Target: I can demonstrate their knowledge of energy resources by completing a study guide for the common assessment over energy resources.**

**Bell work**: Students will complete a worksheet over energy resources.

**Class work:** Students will complete study guide over energy resources.

**Homework:** None