**Trailblazer Lesson Plans**

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

Mrs. Paul: **Science**

**Week of 3/09/18 to 3/13/18**

**Objectives:**

**Students will be able to describe the accomplishments of early astronomers .**

**Students will be able to explain how the solar system formed.**

**Students will be able to illustrate a day as the time it takes a planet to make a full rotation on its axis.**

**Students will be able diagram the path (orbital ellipse) the Earth travels around the sun.**

**Students will be able to illustrate and explain a year as the time a planet takes to revolve around the sun.**

**Students will be able to explain the relationships between a planet’s length of year (period of revolution) to its position in the solar system.**

**Students will be able to describe the role of gravity in the solar system.**

**Monday:**

**Learning Target**  I can describe how theories change as technology changes and identify famous astronomers with their accomplishments.

**Bell work**: Students will answer questions about early astronomers.

**Class work: Students will complete read page 50-55 and complete notes over the section. Students will read passages about Kepler and and complete comprehension questions.**

https://www.youtube.com/watch?v=OZIjVBgcn8Q

**Homework: Study for quiz over early astronomers.**

**Tuesday:**

**Learning Target**  I can describe the role of gravity in the solar system.

**Bell work**: Students will answer questions over famous astronomers.

**Class work:** Students will read page 21- 25 and complete notes over gravity. Students will watch a video over gravity.

<https://www.youtube.com/watch?v=EwY6p-r_hyU>

<https://www.youtube.com/watch?v=OKXVRu6JL54>

https://www.youtube.com/watch?v=aGVXyCrpUn8

**Homework: None**

**Wednesday:**

**Learning Target** I can describe how the solar system formed from gas and dust.

**Bell work**: Students will complete questions over gravity

**Class work:** Students will read page 34-38 and complete notes over the section.

**Homework: Study for quiz over gravity on Thursday.**

**Thursday:**

**Learning Target:** I can describe how the solar system formed from gas and dust.

**Bell work**: Students will complete questions over gravity

**Class work:** Students will complete a quix over gravity. Students will read page 67- 71 and complete notes over the section.

**Homework: None**

**Friday:**

**Learning Target:** I can describe planetary motion in regards to day, month, and year.

**Bell work**: Students will put the formation of the solar system in sequential order.

**Class work:** Students will read page 142- 147 and complete notes over the section. Students will complete a worksheet over planetary motion.

**Homework:** None