8th Grade PBL

PLANETARY EXPLORATION

Driving Question: How can we accurately demonstrate the distance between the planets using a model?

Content: Students will work with a partner to find the actual distance in kilometers from the sun to each planet. They will create a scale so that kilometers can be converted to centimeters, using scientific notation. The students will then draw the newly scaled version on graph paper and answer questions about the distance between planets.

Standards:

8.EE.3,8.EE.4, 8.EE.5 Work with integer exponents, powers of ten and scientific notation. Understand the connections between proportional relationships.

Major Products

An accurate pictorial reproduction of the solar system. They will present their reproduction to the class and answer questions about distance and proportionality.