

Stage 3 – Learning Plan

Learning Activities:

- Using data collected from science concerning what it takes to live and survive on another planet, use measures of central tendency and determine which measure is most appropriate to represent their data.
- Using the data collected from science class, the students will create a line graph, line plot, and stem-and-leaf plot in an excel document to display the data. The students will then determine and justify which graph most appropriately displays the information.
- Design and build a scale model of their structure using principles of measurement. They will supply the formulas they used and the measurements of the scale model and the real-life structure.
- Students will create a 3 minute podcast that explains the data collection and analysis behind their decisions on how they designed their structure. They will also provide how they designed their structure with the measurements, the process for how they scaled the model, and also the measurements/dimensions of the scale model and real-life structure if it were to be built.

Resources