

Using Mathematics and Computational Thinking

What does it look like?

Students applying mathematics as they work to organize and analyze data looking for evidence of patterns and trends that result from interactions between identified variables.

Progression: Even in the early grades students can use numbers to begin to look for patterns, from there they will begin to learn to use a variety of instruments that will allow them to take measurements to collect data. This should eventually lead them to use computer based programs for data collection, exploration and analysis.

MY NASA DATA Lessons



- Sailing Trip (Grade 3-5)
- Cold, Clouds, and Snowflakes (Grade 4-7)
- Comparing Graphs of Temperature and Radiation (Grade 6-8)
- Correlation of Variables by Graphing (Grade 6-10)
- Think Green- Utilizing Renewable Solar Energy (Grade 7-12)
- Using Radiosonde Data From a Weather Balloon Launch (Grade 7-12)
- Validation of Stratospheric Ozone (Grade 9-12)