

## Science Phenomena Curation Assignment

### WHAT IS A SCIENCE PHENOMENON?

**Phenomena** are observable events that occur in the universe and that we can use our science knowledge to explain or predict. The goal of building knowledge in science is to develop general ideas, based on evidence, that can explain and predict phenomena.

### WHAT IS CURATION?

**Curation** is a process of collecting and organizing content, sifting out everything but the most interesting or highest quality items, and sharing the collection with the world.

Some examples of curation are when a museum director creates an exhibit, an editor puts together poems for an anthology, or a person creates a “Top 10” or “Best of” list. A person could curate a collection of articles, images, videos, audio clips, essays, or a mixture of items that all share some common attribute or theme.

### THE TASK

You are going to collect examples of puzzling science phenomena that future 8th grade student scientists can try to figure out as they learn about the chemical and physical science content of 8th grade science class. These may be images or videos or some other observable event. For each item in your collection, you will write a written commentary. In that description, you will summarize why each phenomenon would be good to help other students get interested in and begin their understanding of the science content. You will also brainstorm questions other students may have about the phenomenon.

### CURATION TOOL

You will collect and organize the images, videos, or other observable events in a **Google Site**. Go to your Google Drive and click on New. Then click on More and open a Google Site. You can insert a textbox or image, embed a URL, or upload a file that contains your science phenomena into this Google Site.

### WRITTEN COMMENTARY

This is a description of each science phenomenon that you collected. You will need to:

1. Describe what you observed in the image or video.
2. Explain how the phenomenon relates to a concept in 8th grade physical science. How would this help other students be interested in the concept?
3. What questions might students have about this phenomenon?

### 8th GRADE PHYSICAL SCIENCE TOPICS

- States of matter- solids, liquids, gases

- Changes in states of matter- freezing, melting, evaporation, condensation
- Density
- Atoms & the Periodic Table
- Motion & Forces- friction, Newton's 3 laws of motion, collisions, bridges