Unit 5: Stem Project: Pressure Bounce

Content Area: **Enrichment**
Course(s): **Enrichment 3**
Time Period: **Marking Period 4**
Length: **MP4**
Status: **Published**

Essential Questions

- What is air pressure?
- How does air pressure effect the bounce of a basketball?
- Why are spreadsheets used to show data collection?

Big Ideas

- Different levels of air pressure affect the height of a basketball's bounce.
- Spreadsheets are one way scientist and engineers can display data.

1. Pressure Bounce!

Enduring Understandings

RI.3.1 Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.

RI.3.2 Determine the main idea of a text; recount the key details and explain how they support the main idea.

RI.3.3 Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text, using language that pertains to time, sequence, and cause/effect.

Science Standards Appendix F1-8

Resources

- *Project-Based Activities for STEM*
- *Primary Education Thinking Skills 3* by, Jody Nichols, Sally Thomson, Margaret Wolfe, Dodie Merritt