



Unit 5 Energy

Grade 4 Science

Unit Description:

Students will explain the relationship between the speed of an object to the energy of that object. Outcomes will be predicted about the changes in energy that occur when objects collide.

Science Standards:

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| 4-PS3-1 | Use evidence to construct an explanation relating the speed of an object to the energy of that object. |
| 4-PS3-3 | Ask questions and predict outcomes about the changes in energy that occur when objects collide. |

Enduring Understandings- Unit Anchor Phenomenon:

Arizona has a crater that is over one mile across and more than 550 feet.

Essential Questions- Reflective Summaries:

- Use evidence to construct an explanation about how the speed of the meteorite impacted the size of the Barringer Crater.
- Design an investigation to predict the outcome regarding the transfer of energy that occurs when a meteorite collides with Earth's surface.