



Unit 4 Forces and Interactions

Grade K Science

Unit Description:

Students will plan and conduct investigations to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object, and analyzing data to determine if a design solution works as intended to change the speed or directions of an object with a push or a pull.

Science Standards:

- | | |
|----------------|---|
| K-PS2-1 | Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object. |
| K-PS2-2 | Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull. |

Enduring Understandings- Unit Anchor Phenomenon:

Sled dogs are used for transportation in some parts of the world.

Essential Questions- Reflective Summaries:

- Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.
- Design something that changes the speed or direction of an object's movement. Determine your design solution works as intended.