



Unit 1 Forces, Interactions and Variations of Traits

Grade 3 Science

Unit Description:

Students will conduct investigations to provide evidence of the effects of balanced and unbalanced forces on the motion of objects. They will make observations/measurements of an object's motion to provide evidence that a pattern can be used to predict future motion. Students will also use this knowledge to construct explanations for how the variations in characteristics among individuals may provide advantages in survival.

Science Standards:

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| 3-PS2-1 | Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object. |
| 3-PS2-2 | Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motions. |
| 3-LS4-2 | Use evidence to construct an explanation for how the variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing. |

Enduring Understandings- Unit Anchor Phenomenon:

Two male deer fight.

Essential Questions- Reflective Summaries:

- Construct an explanation (or narration of the video) that describes both the life science and physical science behind the deer fighting.
 - Why do deer fight?
 - What traits make some deer have an advantage over other deer?
 - What types of forces play a role in the deer fighting?