

Big Idea 13: Forces and Changes in Motion

Magnetism

Description

This lesson covers how magnets work and what they are used for.

Slide Titles

- 1-The Magnetic Field
- 2-How Magnets Work
- 3-Where Magnets Are Used
- 4-Magnetic Materials
- 5-Earth the Magnet
- 6- Electromagnets

Google Questions

Questions cover repel, attract, the use of magnets, and more

Standards Based Questions:

- How do magnets work?
- Does a magnet push or pull?
- What are the two poles on a magnet?
- Can a magnet be used to create motion of an object? How?

Books on Big Universe:

Primary:

- Magnets
- Amazing Magnets
- Push and Pull: All About Magnets

Intermediate:

- Magnets in the Real World
- Magnets
- Magnetism
- Electricity and Magnetism

Simple Machine

Description

This lesson covers the different types of simple machines

Slide Titles

- 1-Wheel and Axle
- 2-Levers
- 3-Wedge
- 4-Inclined Plane
- 5-Screw
- 6-Pulley

Google Questions

Questions review the various types of simple machines and how they are used.

Standards Based Questions:

- How do objects move?
- How do objects change direction?
- How are simple machines used to demonstrate push and pull?
- How can we change the speed of an object?
- Explain Newton's Laws of Motion

Books on Big Universe:

Primary:

- Motion
- What is Motion
- Pushing and Pulling

Intermediate:

- Force and Motion
- Investigating Force and Motion
- Motion and Forces
- Newton's Law of Motion

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Google Questions

No questions provided

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