

# Big Idea 10: Forms of Energy

## Forms of Energy

### Description

This lesson covers a wide variety of energy forms and how we use them.

### Slide Titles

- 1-Fossil Fuels
- 2-Nuclear Energy
- 3-Geothermal Energy
- 4-Solar Energy
- 5-Wind Energy
- 6-Hydropower

### Google Questions

Questions range from asking about the use of solar energy and coal to nuclear energy.

### Standards Based Questions:

- How is energy used to improve our lives?
- What are the basic forms of energy?
- How is energy used to create motion?

### Books on Big Universe:

Primary:

- Energy
- Energy and Movement

Intermediate:

- Energy
- All About Energy
- Energy All Around
- Light

## Energy (AR)

### Description

This 3D lesson focuses on Kinetic, Potential, Food, and Fossil Fuels.

### Slide Titles

- Kinetic
- Potential
- Food
- Fossil Fuels
- Joules

### Google Questions

No Questions Provided

### Standards Based Questions:

- Why is food an important energy source?
- Kinetic energy is a form of what type of energy?
- What does it mean to have potential energy?

### Books on Big Universe:

Primary:

- Energy
- Energy and Movement

Intermediate:

- All About Energy
- Energy in Action
- Energy in the Real World

## Golden Hill Wind Energy Center

### Description

This VR lesson covers the construction of the wind energy center and the benefit to wind energy.

### Slide Titles

- An introduction to Altamont
- Wind Energy Center Construction
- Environmental Benefits of Wind Energy
- Finding the Wind

### Google Questions

Questions cover renewable energy, wind turbines, and how to find the wind.

### Standards Based Questions:

- How is wind energy turned into something that can improve our lives?
- What is the difference between renewable and non-renewable resources?
- Name some renewable resources
- Name some non-renewable resources

### Books on Big Universe:

Primary:

- Energy and Movement
- Wind Energy
- Air and Wind

Intermediate:

- Wind Energy
- Green Energy
- Energy from Wind Sun and Tides
- Wind Power

Other Lesson that could be used:

- Forms of Energy (AR)
- Green Business: Mackie's Ice Cream Factory
- Hydro Group Manager, Ross Gallbraith