



## Exploring Electricity: Where it's from and Why - Curriculum Connections

**Suggested Grades:** 5, 6

**Curriculum Connections:** Energy (Gr 5-6), Earth Systems (Gr 5)

### Specific Learning Outcomes:

#### Grade 5

- *Energy* - Students investigate how forces can act on objects without contact (magnetism is used in electricity generation).
- *Earth Systems*
  - Students investigate the systems of Earth and reflect on how their interconnections sustain life (Impact of sunlight on organisms/biomass, natural resources, conservation).
  - Students analyze climate and connect it to weather conditions and agricultural practices (Climate is the long-term weather patterns of a region over a period of at least 30 years).

#### Grade 6

- *Energy* - Students investigate and analyze various energy resources.
- *Earth Systems* - Students investigate climate, changes in climate, and the impact of climate change on Earth (relate electricity to greenhouse gas emissions).