



Unit 6 Earth and Human Activity

Grade 4 Science

Unit Description:

Students will provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents. Scientific ideas will be applied to design, test, and refine a device that converts energy from one form to another. Students will combine information to describe that energy and fuels are derived from renewable and non-renewable resources and their effect on the environment.

Science Standards:

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| 4-PS3-2 | Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents. |
| 4-PS3-4 | Apply scientific ideas to design, test, and refine a device that converts energy from one form to another. |
| 4-ESS3-1 | Obtain and combine information to describe that energy and fuels are derived from renewable and non-renewable resources and how their uses affect the environment. |

Enduring Understandings- Unit Anchor Phenomenon:

Developing countries now have more cell phone users than the world's richest countries.

Essential Questions- Reflective Summaries:

- Describe how energy can be transferred from place to place by sound, light, heat, and electric currents.
- Design a device that converts energy from one form to another.
- Describe how renewable and non-renewable energy resources are different and their effect on India's environment.