



PYP Big Themes: Lower Elementary Energy Conservation & Green Energy



Linked SDGs:

- SDG 7 – Affordable and Clean Energy
- SDG 12 – Responsible Consumption and Production
- SDG 13 – Climate Action
- SDG 6 – Clean Water and Sanitation





Powering the Future with Nature
Transdisciplinary Theme: How We Organise
Ourselves

Big Idea: Green energy systems are designed to
help people and nature.

Key Concepts: Function, Connection, Perspective
Lines of Inquiry:

How solar panels, wind turbines, and
hydroelectricity work

Green energy in our school and community
Different viewpoints about energy choices



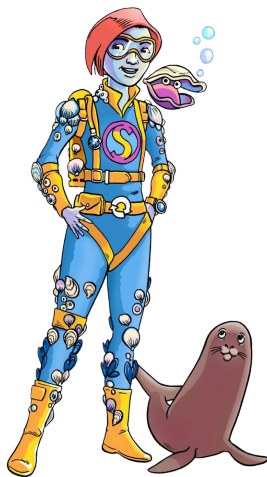


Keeping the Lights On — But Wisely!
Transdisciplinary Theme: Sharing the Planet
Big Idea: Using energy wisely helps care for
our planet.

Key Concepts: Responsibility, Connection

Lines of Inquiry:

Everyday actions that save energy
Our responsibility as global citizens
How energy use affects ecosystems





Where Does Our Energy Come From?

Transdisciplinary Theme: How the World Works

Big Idea: Energy can come from the sun, wind, water, and fossil fuels.

Key Concepts: Form, Function, Causation

Lines of Inquiry:

Types of energy sources (renewable and non-renewable)

How energy is made and used

The impact of different sources on the Earth





Sun, Wind, and Water as Helpers

Transdisciplinary Theme: Where We Are in Place and Time

Big Idea: People throughout history have used natural forces to create energy.

Key Concepts: Change, Function, Perspective

Lines of Inquiry:

Historical and cultural uses of green energy

Comparing old and new inventions

Exploring innovations in energy





Our Energy-Saving Superpowers

Transdisciplinary Theme: Who We Are

Big Idea: Our choices and habits can help the planet.

Key Concepts: Responsibility, Reflection, Causation

Lines of Inquiry:

Being mindful about energy at home and school

Setting goals for sustainability

Celebrating Earth-friendly actions





Designing a Greener World

Transdisciplinary Theme: How We Express Ourselves

Big Idea: We can use creativity to promote green energy and inspire change.

Key Concepts: Form, Perspective, Connection

Lines of Inquiry:

Expressing sustainability messages through art, music, and drama

Exploring visual representations of energy (e.g. posters, models)

How stories and performances influence behaviour

