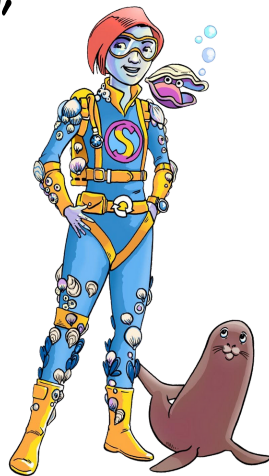




# Early Childhood Big Inquiry Themes

Focus: Energy Conservation,  
Green Energy & Water





## Lights On, Lights Off!

Transdisciplinary Theme: Sharing the Planet

Big Idea: We can take care of the planet by saving energy.

Concepts: Responsibility, Causation

Learning through Play:

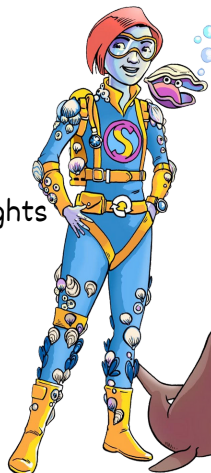
Play with light switches or torches to learn control

Sort pictures of things that use or save energy

Turn off lights when leaving a room

Water Link: Notice how we can turn off taps like we turn off lights

SDGs: 7, 12





## Wind and Water Make Things Move

Transdisciplinary Theme: How the World Works

Big Idea: Nature can help make electricity using  
wind and water.

Concepts: Function, Change

Learning through Play:

Make pinwheels and simple waterwheels

Play with fans and water play to show movement

Explore simple cause and effect (wind pushing  
sails)

Water Link: Use water trays to explore motion and  
flow

SDGs: 7, 6, 13





## The Sun Gives Us Power

Transdisciplinary Theme: How the World Works

Big Idea: The sun is a natural source of energy that helps us and the Earth.

Concepts: Form, Function

Learning through Play:

Explore how sunshine makes things warm

Use solar lights or panels in play spaces

Make sun prints with leaves or toys

Water Link: Talk about how sunshine warms water and helps plants grow

SDGs: 7, 13





## Our Energy-Saving Adventures

Transdisciplinary Theme: Who We Are

Big Idea: Even little people can help save energy every day.

Concepts: Responsibility, Perspective

Learning through Play:

Role-play being energy superheroes

Go on an “energy-saving” treasure hunt

Use stories about turning off taps and lights

Water Link: Explore saving water and energy together

SDGs: 12, 13





## Homes That Breathe and Glow

### Transdisciplinary Theme: How We Organise Ourselves

Big Idea: Homes and buildings can use natural energy to stay warm, bright, and cosy.

Concepts: Connection, Function

Learning through Play:

Build homes in blocks with solar panels and wind turbines

Draw “green homes” using natural elements

Visit or look at pictures of eco-friendly buildings

Water Link: Look at how some homes collect rainwater

SDGs: 7, 11





Power from Water and Wind  
Transdisciplinary Theme: Where We Are in  
Place and Time

Big Idea: People have used water and wind  
power for a long time.

Concepts: Change, Connection

Learning through Play:

Spin old-fashioned water wheels and  
windmills

Tell stories or watch videos of wind/water  
power long ago

Compare old and new ways of making energy

Water Link: Use river stories to link people  
and water

SDGs: 6, 7, 13

