



## curriculum links

### Grade 2:

- ◆ Understanding Earth and Space Systems:  
*Conservation of Energy and Resources*

## overview

At this activity centre, students will play a game that will test their knowledge of water facts from categories based on water protection, conservation, health and safety, science and technology, and stewardship.

## grade 5 expectations

### Science and Technology

#### Understanding Earth and Space Systems – Conservation of Energy and Resources

##### Overall Expectations

- ◆ analyse the immediate and long-term effects of energy and resource use on society and the environment, and evaluate options for conserving and resources;
- ◆ investigate energy transformation and conservation.

##### Specific Expectations

###### *Relating Science and Technology to Society and the Environment*

- ◆ analyse the long-term impacts on society and the environment of human uses of energy and natural resources, and suggest ways to reduce these impacts;
- ◆ evaluate the effects of various technologies on energy consumption, and propose ways in which individuals can improve energy conservations.

###### *Developing Investigation and Communication Skills*

- ◆ use scientific inquiry/research skills to investigate issues related to energy and resource conservation;
- ◆ use appropriate science and technology vocabulary, including *energy*, *heat*, *light*, *sound*, *electrical*, *mechanical*, and *chemical*, in oral communication.

###### *Understanding Basic Concepts*

- ◆ identify renewable and non-renewable sources of energy.





## key terms

**Contaminant** - A substance introduced into the air, water, or soil that reduces its usefulness to humans and other organisms in nature (e.g. making water impure and unfit for consumption or use).

**Evaporation** - Evaporation is the act or process of converting or changing into a vapor with the application of heat.

**Natural Resources** - Natural resource is a substance found in nature that is valuable to humans.

**Precipitation** - Water droplets or ice particles condensed from atmospheric water vapour and sufficiently massive to fall to the earth's surface as rain or snow.

**Wastewater** - Water that contains unwanted materials from homes, businesses and industries; a mixture of water and dissolved or suspended substances.

