

Grade 4

☰ *All living things and their environment are interdependent*

- BrainPOP Jr. [Food Chain](#)
- BrainPOP Jr. [Extinct and Endangered Species](#)
- BrainPOP Jr. [Fish](#)

- BrainPOP [Ecosystems](#)
- BrainPOP [Symbiosis](#)
- ☰ • BrainPOP [Underwater World](#)
- BrainPOP [Bats](#)
- BrainPOP [Conditioning](#)
- BrainPOP [Metamorphosis](#)

- GameUp [Construct-a-Saurus](#)
- GameUp [Invasion!!](#)
- GameUp [Food Chain Game](#)

British Columbia

British Columbia Learning Standards > Science (2015)

Grade 4

☰ *Matter has mass, takes up space, and can change phase.*

- BrainPOP Jr. [Changing States of Matter](#)
- BrainPOP Jr. [Physical and Chemical Changes](#)

- BrainPOP [Measuring Matter](#)
- BrainPOP [Matter Changing States](#)
- ☰ • BrainPOP [States of Matter](#)
- BrainPOP [Gravity](#)
- BrainPOP [Property Changes](#)
- BrainPOP [Refrigerator](#)
- BrainPOP [Snowflakes](#)

British Columbia

British Columbia Learning Standards > Science (2015)

Grade 4

☰ *Energy comes in a variety of forms that can be transferred from one object to another.*

- BrainPOP Jr. [Energy Sources](#)

- BrainPOP [Nuclear Energy](#)
- BrainPOP [Analog and Digital Recording](#)
- ☰ • BrainPOP [Fire](#)
- BrainPOP [Inclined Plane](#)
- BrainPOP [Levers](#)
- BrainPOP [Solar Energy](#)
- BrainPOP [Wind Energy](#)

British Columbia

British Columbia Learning Standards > Science (2015)

Grade 4

☰ *The motion of Earth and the moon cause observable patterns that affect living and non-living systems.*

- BrainPOP [Moon Phases](#)
- BrainPOP [Tides](#)

- GameUp [Chronopticon](#)

British Columbia Learning Standards > Science (2015)

British Columbia

Grade 4

- ⊖ Questioning and predicting
 - ▶ *Observe objects and events in familiar contexts*
 - **BrainPOP Submarines**
 - **BrainPOP Science Projects**
 - **BrainPOP Scientific Method**

British Columbia Learning Standards > Science (2015)

British Columbia

Grade 4

- ⊖ Questioning and predicting
 - ▶ *Identify questions about familiar objects and events that can be investigated scientifically*
 - **BrainPOP Science Projects**
 - **BrainPOP Submarines**
 - **BrainPOP Scientific Method**

British Columbia Learning Standards > Science (2015)

British Columbia

Grade 4

- ⊖ Planning and conducting
 - ▶ *Suggest ways to plan and conduct an inquiry to find answers to their questions*
 - **BrainPOP Science Projects**
 - **BrainPOP Scientific Method**

 - **GameUp Quandary**

British Columbia Learning Standards > Science (2015)

British Columbia

Grade 4

- ⊖ Planning and conducting
 - ▶ *Consider ethical responsibilities when deciding how to conduct an experiment*
 - **BrainPOP Scientific Method**

 - **GameUp Cool Science Careers: Imagine Yourself**

British Columbia Learning Standards > Science (2015)

British Columbia

Grade 4

- ⊖ Planning and conducting
 - ▶ *Safely use appropriate tools to make observations and measurements, using formal measurements and digital technology as appropriate*
 - **BrainPOP Jr. Science Projects**

 - **BrainPOP Science Projects**
 - **BrainPOP Measuring Matter**
 - ⊖
 - **BrainPOP Precision and Accuracy**
 - **BrainPOP Scientific Method**
 - **BrainPOP Microscopes**

 - **GameUp Virtual Labs: Using the Microscope**

British Columbia Learning Standards > Science (2015)

British Columbia

Grade 4

- ⊖ Planning and conducting
 - ▶ *Make observations about living and non-living things in the local environment*
 - **BrainPOP Ecosystems**
 - **BrainPOP Protozoa**

British Columbia

Grade 4

British Columbia Learning Standards > Science (2015)

- ⊖ Planning and conducting
 - ▶ *Collect simple data*
 - **BrainPOP Jr. Science Projects**
 - **BrainPOP Jr. Scientific Method**

 - **BrainPOP Science Projects**
 - **BrainPOP Scientific Method**

 - **GameUp Virtual Labs: Using the Microscope**

British Columbia

Grade 4

British Columbia Learning Standards > Science (2015)

- ⊖ Processing and analyzing data and information
 - ▶ *Sort and classify data and information using drawings or provided tables*
 - **BrainPOP Problem Solving Using Tables**
 - **BrainPOP Scientific Method**
 - **BrainPOP Science Projects**
 - **BrainPOP Map Skills**

British Columbia

Grade 4

British Columbia Learning Standards > Science (2015)

- ⊖ Processing and analyzing data and information
 - ▶ *Use tables, simple bar graphs, or other formats to represent data and show simple patterns and trends*
 - **BrainPOP Jr. Science Projects**

 - **BrainPOP Problem Solving Using Tables**
 - **BrainPOP Science Projects**
 - ⊖ • **BrainPOP Scientific Method**
 - **BrainPOP Distance, Rate, and Time**

 - **GameUp Virtual Labs: Using the Microscope**

British Columbia

Grade 4

British Columbia Learning Standards > Science (2015)

- ⊖ Processing and analyzing data and information
 - ▶ *Compare results with predictions, suggesting possible reasons for findings*
 - **BrainPOP Science Projects**

British Columbia

Grade 4

British Columbia Learning Standards > Science (2015)

- ⊖ Evaluating
 - ▶ *Make simple inferences based on their results and prior knowledge*
 - **BrainPOP Scientific Method**

British Columbia

Grade 4

British Columbia Learning Standards > Science (2015)

- ⊖ Evaluating
 - ▶ *Reflect on whether an investigation was a fair test*
 - **BrainPOP Science Projects**

- **BrainPOP Scientific Method**

- **GameUp Cool Science Careers: Imagine Yourself**

British Columbia

Grade 4

British Columbia Learning Standards > Science (2015)

⊖ Evaluating

▶ *Identify some simple environmental implications of their and others' actions*

- **BrainPOP Jr. Reduce, Reuse, Recycle**

- **BrainPOP Global Warming**

- **BrainPOP Greenhouse Effect**

⊖ • **BrainPOP Humans and the Environment**

- **BrainPOP Ozone Layer**

- **BrainPOP Population Growth**

- **BrainPOP Water Pollution**

- **BrainPOP Air Pollution**

- **BrainPOP Everglades**

- **BrainPOP Plastic**

- **BrainPOP Recycling**

- **BrainPOP South Pole**

- **BrainPOP Water Supply**

- **GameUp Citizen Science**

British Columbia

Grade 4

British Columbia Learning Standards > Science (2015)

⊖ Applying and innovating

▶ *Generate and introduce new or refined ideas when problem solving*

- **BrainPOP Science Projects**

British Columbia

Grade 4

British Columbia Learning Standards > Science (2015)

⊖ Communicating

▶ *Represent and communicate ideas and findings in a variety of ways, such as diagrams and simple reports, using digital technologies as appropriate*

- **BrainPOP Jr. Science Projects**

- **BrainPOP Computers**

British Columbia

Grade 4

British Columbia Learning Standards > Science (2015)

⊖ Communicating

▶ *Express and reflect on personal or shared experiences of place*

- **BrainPOP Submarines**

- **BrainPOP Cell Phone**

- **BrainPOP Cars**

British Columbia

Grade 4

British Columbia Learning Standards > Science (2015)

⊖ *the ways organisms in ecosystems sense and respond to their environment*

- **BrainPOP Jr. Fish**

- **BrainPOP Conditioning**

- BrainPOP [Bats](#)
- BrainPOP [Metamorphosis](#)

- GameUp [Code Fred: Survival Mode](#)
- GameUp [Pavlov's Dog](#)

British Columbia Learning Standards > Science (2015)

Grade 4

- ☰ *solids, liquids, and gases as matter*
 - BrainPOP Jr. [Changing States of Matter](#)
 - BrainPOP Jr. [Physical and Chemical Changes](#)

 - BrainPOP [Matter Changing States](#)
 - BrainPOP [States of Matter](#)

 - GameUp [Matter Sorter](#)

British Columbia Learning Standards > Science (2015)

Grade 4

- ☰ *the effect of temperature on pressure in a gas*
 - BrainPOP [Temperature](#)

British Columbia Learning Standards > Science (2015)

Grade 4

- ☰ energy:
 - ▶ *has various forms*
 - BrainPOP Jr. [Energy Sources](#)

 - BrainPOP [Analog and Digital Recording](#)
 - BrainPOP [Fire](#)
 - ☰
 - BrainPOP [Nuclear Energy](#)
 - BrainPOP [Solar Energy](#)
 - BrainPOP [Wind Energy](#)

British Columbia Learning Standards > Science (2015)

Grade 4

- ☰ *devices that transform energy*
 - BrainPOP [Electric Circuits](#)
 - BrainPOP [Fuel Cells](#)
 - BrainPOP [Wind Energy](#)
 - BrainPOP [Electricity](#)
 - BrainPOP [Refrigerator](#)

British Columbia Learning Standards > Science (2015)

Grade 4

- ☰ *local changes caused by Earth's axis, rotation, and orbit*
 - BrainPOP [Solstice and Equinox](#)
 - BrainPOP [Seasons](#)
 - BrainPOP [North Pole](#)
 - BrainPOP [South Pole](#)
 - BrainPOP [Time Zones](#)

British Columbia Learning Standards > Science (2015)

British Columbia

Grade 4

- *features of biomes*
 - **BrainPOP Deserts**
 - **BrainPOP Land Biomes**
 - **BrainPOP Savanna**
 - **BrainPOP Taiga**
- - **BrainPOP Tropical Rainforests**
 - **BrainPOP Tundra**
 - **BrainPOP Underwater World**
 - **BrainPOP Ecosystems**
 - **BrainPOP Birds**
 - **BrainPOP Mollusks**

British Columbia

British Columbia Learning Standards > Science (2015)

Grade 4

- *the relationship between the sun and the moon*
 - **BrainPOP Leap Year**
 - **BrainPOP Moon**
- - **BrainPOP Moon Phases**
 - **BrainPOP Sun**
 - **BrainPOP Time Zones**

- **GameUp Chronopticon**

British Columbia

British Columbia Learning Outcomes > Science (2005)

Grade 4

- Processes and Skills of Science
 - ▶ *use data from investigations to recognize patterns and relationships and reach conclusions*
 - **BrainPOP Science Projects**
 - **BrainPOP Scientific Method**

British Columbia

British Columbia Learning Outcomes > Science (2005)

Grade 4

- Life Science: Habitats and Communities
 - ▶ *compare the structures and behaviours of local animals and plants in different habitats and communities*
 - **BrainPOP Jr. Fish**
 - **BrainPOP Jr. Plant Adaptations**

 - **BrainPOP Insects**
 - **BrainPOP Dolphins**
- ⊕ 10 more resources
 - **GameUp Construct-a-Saurus**

British Columbia

British Columbia Learning Outcomes > Science (2005)

Grade 4

- Life Science: Habitats and Communities
 - ▶ *analyse simple food chains*
 - **BrainPOP Jr. Food Chain**
 - **BrainPOP Jr. Fish**

 - **BrainPOP Underwater World**
 - **BrainPOP Bats**

+ 4 more resources

- **GameUp Food Chain Game**
- **GameUp Construct-a-Saurus**

+ 2 more resources

British Columbia

Grade 4

British Columbia Learning Outcomes > Science (2005)

– Life Science: Habitats and Communities

▶ *determine how personal choices and actions have environmental consequences*

- **BrainPOP Jr. Fish**
- **BrainPOP Jr. Reduce, Reuse, Recycle**

- **BrainPOP Global Warming**
- **BrainPOP Greenhouse Effect**

+ 10 more resources

- **GameUp Citizen Science**
- **GameUp Food Fight**
- **GameUp Invasion!!**

British Columbia

Grade 4

British Columbia Learning Outcomes > Science (2005)

– Physical Science: Sound and Light

▶ *identify sources of light and sound*

- **BrainPOP Jr. Energy Sources**

- **BrainPOP Electromagnetic Spectrum**
- **BrainPOP Sound**

+ 2 more resources

British Columbia

Grade 4

British Columbia Learning Outcomes > Science (2005)

– Physical Science: Sound and Light

▶ *explain properties of light (e.g., travels in a straight path, can be reflected)*

- **BrainPOP Cameras**
- **BrainPOP Light**
- **BrainPOP Telescopes**
- **BrainPOP Refraction and Diffraction**

British Columbia

Grade 4

British Columbia Learning Outcomes > Science (2005)

– Physical Science: Sound and Light

▶ *explain properties of sound (e.g., travels in waves, travels in all directions)*

- **BrainPOP Hearing**
- **BrainPOP Refraction and Diffraction**
- **BrainPOP Sound**
- **BrainPOP Telephone**

British Columbia

Grade 4

British Columbia Learning Outcomes > Science (2005)

– Earth and Space Science: Weather

▶ *measure weather in terms of temperature, precipitation, cloud cover, wind speed and direction*

- **BrainPOP Snowflakes**
- **BrainPOP Wind**
- **BrainPOP Climate Types**
- **BrainPOP Thunderstorms**

⊕ 2 more resources

British Columbia

Grade 4

British Columbia Learning Outcomes > Science (2005)

⊖ Earth and Space Science: Weather

▶ *analyse impacts of weather on living and non-living things*

- **BrainPOP Jr. Water Cycle**

- **BrainPOP Metamorphosis**