

**British Columbia Learning Standards > Science (2015)****British Columbia**

Grade 5

- ⊖ *Multicellular organisms have organ systems that enable them to survive and interact within their environment.*
  - **BrainPOP Nervous System**
  - **BrainPOP Ecosystems**
  - **BrainPOP Bats**
  - **BrainPOP Body Chemistry**
  - ⊖ • **BrainPOP Human Body**
  - **BrainPOP Respiratory System**
  - **BrainPOP Reproductive System**
  - **BrainPOP Digestive System**

**British Columbia Learning Standards > Science (2015)****British Columbia**

Grade 5

- ⊖ *Solutions are homogeneous mixtures.*
  - **GameUp Virtual Labs: Acidifying Salsa**

**British Columbia Learning Standards > Science (2015)****British Columbia**

Grade 5

- ⊖ *Machines are devices that transfer force and energy.*
  - **BrainPOP Jr. Simple Machines**
  
  - **BrainPOP Gears**
  - **BrainPOP Levers**
  - ⊖ • **BrainPOP Inclined Plane**
  - **BrainPOP Hydraulics**
  
  - **GameUp Simple Machines**

**British Columbia Learning Standards > Science (2015)****British Columbia**

Grade 5

- ⊖ *Humans use earth materials as natural resources.*
  - **BrainPOP Natural Resources**
  - **BrainPOP Population Growth**
  - **BrainPOP Soil**
  - **BrainPOP Waste Management**
  - ⊖ • **BrainPOP Recycling**
  - **BrainPOP Water Supply**

**British Columbia Learning Standards > Science (2015)****British Columbia**

Grade 5

- ⊖ Questioning and predicting
  - ▶ *Make observations in familiar or unfamiliar contexts*
    - **BrainPOP Science Projects**
    - **BrainPOP Scientific Method**

**British Columbia Learning Standards > Science (2015)****British Columbia**

Grade 5

- ⊖ Questioning and predicting
  - ▶ *Identify questions to answer or problems to solve through scientific inquiry*
    - **BrainPOP Jr. Science Projects**
  
    - **BrainPOP Science Projects**

- **BrainPOP Scientific Method**
- **GameUp Quandary**
- **GameUp Virtual Labs: Disposable Lab Equipment**
- ☉ • **GameUp Virtual Labs: Gram Staining**
- **GameUp Virtual Labs: Testing for Corn Mold**
- **GameUp Virtual Labs: Using the Microscope**

**British Columbia**  
Grade 5

**British Columbia Learning Standards > Science (2015)**

- ☉ Questioning and predicting
  - ▶ *Make predictions about the findings of their inquiry*
    - **BrainPOP Science Projects**
    - **BrainPOP Scientific Method**
  - **GameUp CSI: Flight Adventure's Flight School**

**British Columbia**  
Grade 5

**British Columbia Learning Standards > Science (2015)**

- ☉ Planning and conducting
  - ▶ *Explore and pose questions that lead to investigations*
    - **BrainPOP Jr. Science Projects**
    - **BrainPOP Science Projects**
    - **BrainPOP Scientific Method**
  - **GameUp Quandary**
  - **GameUp Virtual Labs: Disposable Lab Equipment**
  - ☉ • **GameUp Virtual Labs: Gram Staining**
  - **GameUp Virtual Labs: Testing for Corn Mold**
  - **GameUp Virtual Labs: Using the Microscope**

**British Columbia**  
Grade 5

**British Columbia Learning Standards > Science (2015)**

- ☉ Planning and conducting
  - ▶ *With support, plan appropriate investigations to answer their questions or solve problems they have identified*
    - **BrainPOP Jr. Science Projects**
    - **BrainPOP Science Projects**
    - **BrainPOP Scientific Method**
  - **GameUp Quandary**

**British Columbia**  
Grade 5

**British Columbia Learning Standards > Science (2015)**

- ☉ Planning and conducting
  - ▶ *Decide which variable should be changed and measured for a fair test*
    - **BrainPOP Science Projects**
    - **BrainPOP Scientific Method**
  - **GameUp Virtual Labs: Acidifying Salsa**

## British Columbia Learning Standards > Science (2015)

### British Columbia

Grade 5

- ⊖ Planning and conducting
  - ▶ *Choose appropriate data to collect to answer their questions*
    - **BrainPOP Jr. Science Projects**
    - **BrainPOP Science Projects**
    - **BrainPOP Scientific Method**

## British Columbia Learning Standards > Science (2015)

### British Columbia

Grade 5

- ⊖ Planning and conducting
  - ▶ *Observe, measure, and record data, using appropriate tools, including digital technologies*
    - **BrainPOP Jr. Science Projects**
    - **BrainPOP Measuring Matter**
    - **BrainPOP Science Projects**
- ⊖
  - **BrainPOP Microscopes**
  - **BrainPOP Precision and Accuracy**
  - **BrainPOP Scientific Method**
  - **BrainPOP Digital Animation**
  - **BrainPOP CD**
- **GameUp Virtual Labs: Using the Microscope**
- **GameUp Virtual Labs: Disposable Lab Equipment**
- ⊖
  - **GameUp Virtual Labs: Testing for Corn Mold**
  - **GameUp Virtual Labs: Gram Staining**

## British Columbia Learning Standards > Science (2015)

### British Columbia

Grade 5

- ⊖ Planning and conducting
  - ▶ *Use equipment and materials safely, identifying potential risks*
    - **BrainPOP Microscopes**
    - **GameUp Virtual Labs: Disposable Lab Equipment**
    - **GameUp Virtual Labs: Gram Staining**
- ⊖
  - **GameUp Virtual Labs: Testing for Corn Mold**
  - **GameUp Virtual Labs: Using the Microscope**

## British Columbia Learning Standards > Science (2015)

### British Columbia

Grade 5

- ⊖ Processing and analyzing data and information
  - ▶ *Construct and use a variety of methods, including tables, graphs, and digital technologies, as appropriate, to represent patterns or relationships in data*
    - **BrainPOP Problem Solving Using Tables**
    - **BrainPOP Graphing Linear Equations**
    - **BrainPOP Distance, Rate, and Time**

## British Columbia Learning Standards > Science (2015)

### British Columbia

Grade 5

- ⊖ Processing and analyzing data and information
  - ▶ *Identify patterns and connections in data*
    - **BrainPOP Science Projects**

- [BrainPOP Problem Solving Using Tables](#)

- [BrainPOP Scientific Method](#)

## British Columbia

Grade 5

### British Columbia Learning Standards > Science (2015)

- ⊖ Processing and analyzing data and information
  - ▶ *Compare data with predictions and develop explanations for results*
    - [BrainPOP Jr. Science Projects](#)
    - [BrainPOP Scientific Method](#)
    - [BrainPOP Science Projects](#)
    - [BrainPOP Charles Darwin](#)
  - [GameUp Virtual Labs: Disposable Lab Equipment](#)
  - [GameUp Virtual Labs: Gram Staining](#)
- ⊖
  - [GameUp Virtual Labs: Testing for Corn Mold](#)
  - [GameUp Virtual Labs: Using the Microscope](#)

## British Columbia

Grade 5

### British Columbia Learning Standards > Science (2015)

- ⊖ Processing and analyzing data and information
  - ▶ *Demonstrate an openness to new ideas and consideration of alternatives*
    - [BrainPOP Science Projects](#)

## British Columbia

Grade 5

### British Columbia Learning Standards > Science (2015)

- ⊖ Evaluating
  - ▶ *Evaluate whether their investigations were fair tests*
    - [BrainPOP Science Projects](#)
    - [BrainPOP Scientific Method](#)
  - [GameUp Cool Science Careers: Imagine Yourself](#)

## British Columbia

Grade 5

### British Columbia Learning Standards > Science (2015)

- ⊖ Evaluating
  - ▶ *Identify possible sources of error*
    - [BrainPOP Science Projects](#)
    - [BrainPOP Scientific Method](#)

## British Columbia

Grade 5

### British Columbia Learning Standards > Science (2015)

- ⊖ Evaluating
  - ▶ *Identify some of the social, ethical, and environmental implications of the findings from their own and others'™ investigations*
    - [BrainPOP Scientific Method](#)
    - [BrainPOP Science Projects](#)
  - [GameUp Cool Science Careers: Imagine Yourself](#)

## British Columbia

Grade 5

### 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 5

### British Columbia Learning Standards > Science (2015)

- ☰ Communicating
  - ▶ *Communicate ideas, explanations, and processes in a variety of ways*
    - [BrainPOP Jr. Science Projects](#)
    - [GameUp Virtual Labs: Disposable Lab Equipment](#)
    - [GameUp Virtual Labs: Gram Staining](#)
  - ☰
    - [GameUp Virtual Labs: Testing for Corn Mold](#)
    - [GameUp Virtual Labs: Using the Microscope](#)

## British Columbia

Grade 5

### British Columbia Learning Standards > Science (2015)

- ☰ Communicating
  - ▶ *Express and reflect on personal, shared, or others'™ experiences of place*
    - [BrainPOP Submarines](#)
    - [BrainPOP Cell Phone](#)
    - [BrainPOP Cars](#)

## British Columbia

Grade 5

### British Columbia Learning Standards > Science (2015)

- ☰ basic structures and functions of body systems:
  - ▶ *digestive*
    - [BrainPOP Appendix](#)
    - [BrainPOP Digestive System](#)
    - [BrainPOP Teeth](#)
    - [GameUp Build-A-Body: Digestive System](#)
    - [GameUp Guts and Bolts](#)

## British Columbia

Grade 5

### British Columbia Learning Standards > Science (2015)

- ☰ basic structures and functions of body systems:
  - ▶ *excretory*
    - [BrainPOP Urinary System](#)
    - [BrainPOP Nervous System](#)
  - ☰
    - [BrainPOP Digestive System](#)
    - [BrainPOP Touch](#)
    - [GameUp Guts and Bolts](#)

## British Columbia

Grade 5

### British Columbia Learning Standards > Science (2015)

- ☰ basic structures and functions of body systems:
  - ▶ *respiratory*
    - [BrainPOP Cellular Respiration](#)
    - [BrainPOP Hiccups](#)
  - ☰
    - [BrainPOP Human Body](#)
    - [BrainPOP Respiratory System](#)
    - [BrainPOP Nervous System](#)
    - [BrainPOP Voice](#)

- **GameUp Code Fred: Survival Mode**
- **GameUp Guts and Bolts**

**British Columbia**

Grade 5

**British Columbia Learning Standards > Science (2015)**

⊖ basic structures and functions of body systems:

▶ *circulatory*

- **BrainPOP Blood**
- **BrainPOP Blood Pressure**
- ⊖ • **BrainPOP Circulatory System**
- **BrainPOP Heart**
- **BrainPOP Nervous System**
- **BrainPOP Touch**
  
- **GameUp Guts and Bolts**

**British Columbia**

Grade 5

**British Columbia Learning Standards > Science (2015)**

⊖ *properties of simple machines and their force effects*

- **BrainPOP Jr. Simple Machines**
  
- **BrainPOP Pulley**
- **BrainPOP Wheel and Axle**
- ⊖ • **BrainPOP Gears**
- **BrainPOP Levers**
- **BrainPOP Force**
- **BrainPOP Work**
- **BrainPOP Inclined Plane**
- **BrainPOP Newton's Laws of Motion**
  
- **GameUp Simple Machines**

**British Columbia**

Grade 5

**British Columbia Learning Standards > Science (2015)**

⊖ *power- the rate at which energy is transformed*

- **BrainPOP Power**
- **BrainPOP Hydraulics**

**British Columbia**

Grade 5

**British Columbia Learning Standards > Science (2015)**

⊖ *local types of earth materials*

- **BrainPOP Soil**
- **BrainPOP Natural Resources**

**British Columbia**

Grade 5

**British Columbia Learning Standards > Science (2015)**

⊖ *the rock cycle*

- **BrainPOP Rock Cycle**

**British Columbia**

Grade 5

**British Columbia Learning Standards > Science (2015)**

⊖ *Aboriginal concept of interconnectedness in the environment*

- **BrainPOP Bats**

**British Columbia**

Grade 5

**British Columbia Learning Standards > Science (2015)**

- ⊖ *the nature of sustainable practices around BC's living and non-living resources*
  - **BrainPOP Jr. Natural Resources**
  - **BrainPOP Jr. Reduce, Reuse, Recycle**
  - **BrainPOP Jr. Energy Sources**
  
  - **BrainPOP Natural Resources**
  - **BrainPOP Humans and the Environment**
- ⊖
  - **BrainPOP Conserving Energy**
  - **BrainPOP Waste Management**
  - **BrainPOP Everglades**
  - **BrainPOP Water Pollution**
  - **BrainPOP Water Supply**

**British Columbia**

Grade 5

**British Columbia Learning Outcomes > Science (2005)**

- ⊖ Processes and Skills of Science
  - ▶ *identify variables that can be changed in an experiment*
    - **BrainPOP Science Projects**
    - **BrainPOP Scientific Method**
  
    - **GameUp Virtual Labs: Acidifying Salsa**

**British Columbia**

Grade 5

**British Columbia Learning Outcomes > Science (2005)**

- ⊖ Processes and Skills of Science
  - ▶ *evaluate the fairness of a given experiment*
    - **BrainPOP Science Projects**
    - **BrainPOP Scientific Method**
  
    - **GameUp Virtual Labs: Disposable Lab Equipment**
    - **GameUp Virtual Labs: Gram Staining**
- ⊕ 2 more resources

**British Columbia**

Grade 5

**British Columbia Learning Outcomes > Science (2005)**

- ⊖ Processes and Skills of Science
  - ▶ *describe the steps in designing an experiment*
    - **BrainPOP Science Projects**
    - **BrainPOP Scientific Method**
  
    - **GameUp Virtual Labs: Acidifying Salsa**

**British Columbia**

Grade 5

**British Columbia Learning Outcomes > Science (2005)**

- ⊖ Life Science: Human Body
  - ▶ *describe the basic structure and functions of the human respiratory, digestive, circulatory, skeletal, muscular, and nervous systems*
    - **BrainPOP Blood**
    - **BrainPOP Human Body**
- ⊕ 19 more resources

- **GameUp Guts and Bolts**
- **GameUp Code Fred: Survival Mode**

+ 2 more resources

## British Columbia

Grade 5

### British Columbia Learning Outcomes > Science (2005)

– Life Science: Human Body

▶ *explain how the different body systems are interconnected*

- **BrainPOP Alzheimer's Disease**
- **BrainPOP Blood**

+ 13 more resources

- **GameUp Guts and Bolts**

## British Columbia

Grade 5

### British Columbia Learning Outcomes > Science (2005)

– Physical Science: Forces and Simple Machines

▶ *demonstrate how various forces can affect the movement of objects*

- **BrainPOP Jr. Simple Machines**
- **BrainPOP Force**
- **BrainPOP Bridges**
- **BrainPOP Newton's Laws of Motion**
- **GameUp CSI: Flight Adventure's Forces of Flight**
- **GameUp Go Vector Go**

+ 2 more resources

## British Columbia

Grade 5

### British Columbia Learning Outcomes > Science (2005)

– Physical Science: Forces and Simple Machines

▶ *demonstrate mechanical advantage of simple machines, including lever, wedge, pulley, ramp, screw, and wheel*

- **BrainPOP Jr. Simple Machines**
- **BrainPOP Inclined Plane**
- **BrainPOP Levers**

+ 4 more resources

- **GameUp Simple Machines**

## British Columbia

Grade 5

### British Columbia Learning Outcomes > Science (2005)

– Physical Science: Forces and Simple Machines

▶ *design a compound machine*

- **BrainPOP Gears**
- **BrainPOP Hydraulics**

## British Columbia

Grade 5

### British Columbia Learning Outcomes > Science (2005)

– Physical Science: Forces and Simple Machines

▶ *describe applications of simple and compound machines used in daily life in BC communities*



- [BrainPOP Gears](#)
- [BrainPOP Levers](#)

## British Columbia

Grade 5

### British Columbia Learning Outcomes > Science (2005)

- ⊖ Earth and Space Science: Renewable and Non-Renewable Resources
  - ▶ *analyse how BC's living and non-living resources are used*
    - [BrainPOP Jr. Fish](#)
    - [BrainPOP Natural Resources](#)
    - [BrainPOP Water](#)
- ⊕ 3 more resources

## British Columbia

Grade 5

### British Columbia Learning Outcomes > Science (2005)

- ⊖ Earth and Space Science: Renewable and Non-Renewable Resources
  - ▶ *identify methods of extracting or harvesting and processing BC's resources*
    - [BrainPOP Jr. Extinct and Endangered Species](#)
    - [BrainPOP Natural Resources](#)
    - [BrainPOP Waste Management](#)
    - [GameUp Food Fight](#)

## British Columbia

Grade 5

### British Columbia Learning Outcomes > Science (2005)

- ⊖ Earth and Space Science: Renewable and Non-Renewable Resources
  - ▶ *analyse how the Aboriginal concept of interconnectedness of the environment is reflected in responsibility for and care-taking of resources*
    - [BrainPOP Jr. Natural Resources](#)
    - [BrainPOP Jr. Extinct and Endangered Species](#)
    - [BrainPOP Humans and the Environment](#)
    - [BrainPOP Everglades](#)
- ⊕ 5 more resources
  - [GameUp Invasion!!](#)

## British Columbia

Grade 5

### British Columbia Learning Outcomes > Science (2005)

- ⊖ Earth and Space Science: Renewable and Non-Renewable Resources
  - ▶ *describe potential environmental impacts of using BC's living and non-living resources*
    - [BrainPOP Jr. Natural Resources](#)
    - [BrainPOP Jr. Reduce, Reuse, Recycle](#)
    - [BrainPOP Global Warming](#)
    - [BrainPOP Humans and the Environment](#)
- ⊕ 10 more resources
  - [GameUp Food Fight](#)
  - [GameUp Invasion!!](#)