



# ORC CURRICULUM MAP

## Grade 3 Science

*Topics Included: Rocks and Minerals, Hearing and Sound, Animal Life Cycles*

*Resources Included: BookFLIX, TrueFLIX, Britannica School, National Geographic Kids Virtual Library, PowerKnowledge Earth and Space Science, PowerKnowledge Physical Science, PowerKnowledge Life Science, PebbleGO Animals, PebbleGO Science, PebbleGO Social Studies, Scholastic GO! (formerly Amazing Animals of the World), ScienceFLIX*

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## Crash Course Kids Disclaimer

These Curriculum Maps have been updated to include the YouTube educational web series *Crash Course Kids*. This web series, from the producers of *Crash Course*, is geared towards elementary grade science. It includes topics related to Earth Science, Physical Science, Biology, Astronomy, and more. These videos can sometimes contain irreverent humour. We encourage educators to preview the videos for appropriateness first before showing them in a classroom or library setting.

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## Background and Access Information

Learn Alberta's Online Reference Centre is a \$1.2 million collection of authoritative curricular aligned resources that are licensed on behalf of all students, staff, parents and public librarians learning/teaching/supporting the Alberta curriculum.

To Access the Online Reference Centre:

1. Go to [LearnAlberta.ca](http://LearnAlberta.ca)
2. Select English or French
3. Click on "Online Reference Centre" in the tab along the top of the screen
4. In school while on a school device, users do not need to enter a username or password. Users are able to enter any database or website instantly.
5. Access from a personal device in school or remotely from outside of the school will require the user to enter a username/password once to unlock all of the resources.
6. Please share your district's ORC username/password with your students, parents of your students, student teachers and fellow staff members. Please do not share the username and password information on an open website (a website that does not require the user to login).

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## How to Use This Guide

Attached please find a listing of databases found on Learn Alberta's Online Reference Centre (ORC) that directly support specific learner outcomes in the grade two science and social studies curricula.

Formatting Overview for Scholastic GO! (formerly Amazing Animals of the World):

### **Curricular Topic**

*Specific Learner Outcome (SLO)*

Resources for Students Reading at Grade Level  
Scholastic GO! (formerly Amazing Animals of the World)

- Click search button
  - Search "search term"
    - Select Reading level
      - Article Title

Resources for Students Reading Above Grade Level  
Scholastic GO! (formerly Amazing Animals of the World)

- Click search button
  - Advanced Search
    - Search Titles Only
      - Select Reading level
        - Article Title

Formatting Overview for PebbleGO Databases:**Curricular Topic***Specific Learner Outcome (SLO)*

Name of the Database

- Topic
  - Subtopic
    - Article Title
      - Article Sections

Formatting Overview for BookFLIX:**Curricular Topic***Specific Learner Outcome (SLO)*

BookFLIX

- Theme (Animals and Nature, Earth and Space, etc.)
  - Book Pairing

Formatting Overview for PowerKnowledge Databases:**Curricular Topic***Specific Learner Outcome (SLO)*

Name of the Database

- Topic
  - Subtopic
    - Article Title with Hyperlink
      - Article Sections

Formatting Overview for TrueFLIX:**Curricular Topic***Specific Learner Outcome (SLO)*

## TrueFLIX

- eBook Title (alphabetized listing found in the Resources & Tools link in the top right hand corner of the screen)
  - Chapters in eBook if applicable

If you have any questions regarding this guide or if you would like a guide for additional grades please contact Bethany Arsenault, ORC Coordinator at [barsenault@thealbertalibrary.ab.ca](mailto:barsenault@thealbertalibrary.ab.ca)

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# Grade 3 Science

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## Topic A: Rocks and Minerals

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*SLO: Compare samples of various kinds of rock, and identify similarities and differences.*

*SLO: Given a description of the properties of a particular rock or mineral, identify a sample rock or mineral that matches those properties. Properties that students should be able to describe and interpret include: colour, lustre, texture, hardness, presence of carbonates, crystal shape.*

*SLO: Describe and classify a group of rocks and minerals, based upon the above properties.*

### **Resources for students Reading Below Grade Level**

PebbleGO Science

- Earth and Space Science
  - Earth Science
    - Earth Features
      - Rocks

### **Resources for All Reading Levels**

BookFLIX

- Family and Community
  - Pairs: 53-56
    - Sylvester and the Magic Pebble/Rock Collecting

### **Resources for Students Reading At Grade or Above Grade Level**

Britannica School

- Elementary
  - Articles
    - Science and Mathematics
      - Earth Sciences
        - Igneous Rock
        - Metamorphic Rock

- Mineral
- Rock
- Sedimentary Rock
- Keyword Search: rock cycle
  - Rock (geology)
  - Chalk (soft rock)
  - Limestone (rock)
  - Plate tectonics (geology)
  - Ore (Mineral)

#### National Geographic Kids Virtual Library

- Keyword Search: Rocks
  - Books
    - [Rocks and Minerals \(Zoehfield, Kathleen Weidner\)](#)
    - [Rocks and Minerals \(Tomecek, Steve\)](#)
    - [National Geographic Kids Everything Rocks and Minerals \(Tomecek, Steve\)](#)

#### PowerKnowledge Earth and Space Science

- Rocks and Minerals
  - [Identifying Rocks](#)
  - [Studying Rocks](#)
    - Article Sections: [Rocks and Minerals](#), [Studying Rocks](#), [Groups of Rocks](#), [Minerals in Rocks](#), [Color and Texture](#), [It's All About the Sediment](#), [Is It Foliated?](#), [A Story in Rocks](#), [Studying Rocks in the Canadian Shield](#)
  - Types of Rocks
    - [Igneous Rocks](#)
    - [Metamorphic Rocks](#)
    - [Sedimentary Rocks](#)
  - Minerals
    - [Types of Minerals](#)
      - Article Sections: [Properties of Minerals](#), [Precious Metals](#), [Oxides and Sulfides](#), [Carbonates and Sulfates](#), [Minerals and The Formation of Rocks](#)
    - [All About Minerals and Rocks](#)



- [Rock Formations](#)
- [Beneath Earth's Surface](#)
- Landforms
  - Our Changing Earth
    - [Earth's Layers](#)
- Science Fair Projects and Experiments
  - [An Igneous Rock is Born](#)
  - [It's Sedimentary](#)
  - [Make a Metamorphic Rock](#)
  - [The Parts of the Earth](#)

## Science FLIX

- Earth Science
  - Rocks and Minerals
    - Watch It!
    - Read It!
      - "Set my Reading Level 1" for at level students (top right-hand corner of the screen)
      - "Set my Reading Level 2 or 3" for above level students (top right-hand corner of the screen)
    - Dive Deeper!
      - Kinds of Rocks
        - Igneous Rock
          - "Set my Reading Level 1" for at level students (top right-hand corner of the screen)
          - "Set my Reading Level 2 or 3" for above level students (top right-hand corner of the screen)
        - Sedimentary Rock
          - "Set my Reading Level 1" for at level students (top right-hand corner of the screen)
          - "Set my Reading Level 2 or 3" for above level students (top right-hand corner of the screen)

- Metamorphic Rock
  - “Set my Reading Level 1” for at level students (top right-hand corner of the screen)
  - “Set my Reading Level 2 or 3” for above level students (top right-hand corner of the screen)
- Digging Deeper
  - Gems
    - “Set my Reading Level 1” for at level students (top right-hand corner of the screen)
    - “Set my Reading Level 2 or 3” for above level students (top right-hand corner of the screen)

#### TrueFLIX

- Experiments with Rocks and Minerals
  - Chapters: A Rocky Rainbow, Hard as a Rock, Earth as a Rock Factory
- Geology
  - Chapters: Studying the Earth, Our Rapidly and Slowly Changing Earth, The Rock Cycle

*SLO: Recognize and describe the various components within a sample of soil. e.g., clay, sand, pebbles, decaying plants; and describe differences between two different soil samples.*

*SLO: Describe ways in which rocks break down to become soil, and demonstrate one or more of these ways.*

#### **Resources for students Reading Below Grade Level**

##### PebbleGO Science

- Earth and Space Science
  - Earth Science

- Earth Features
  - Erosion
  - Soil

## **Resources for Students Reading At Grade or Above Grade Level**

Britannica School

- Elementary
  - Articles
    - Science and Mathematics
      - Earth Sciences
        - Clay
        - Erosion
        - Sand
        - Soil
        - Weathering

PowerKnowledge Earth and Space Science

- Rocks and Minerals
  - The Rock Cycle
    - [All About the Rock Cycle](#)
    - [All About Weathering and Erosion](#)
    - [Igneous Rocks and the Rock Cycle](#)
    - [Metamorphic Rocks and the Rock Cycle](#)
    - [Minerals and the Rock Cycle](#)
    - [Sand, Silt, and Mud and the Rock Cycle](#)
    - [Sedimentary Rocks and the Rocky Cycle](#)
    - [Weather and Erosion and the Rock Cycle](#)
  - [Rocks and Soil](#)
  - [Weathering and Erosion with Graphic Organizers](#)
- Weather and Climate
  - Weathering and Erosion
    - [All About Weathering and Erosion](#)
- Science Fair Projects and Experiments
  - [Rocks and Weathering](#)

## Science FLIX

- Earth Science
  - Rocks and Minerals
    - Dive Deeper!
      - Rocks Reordered
        - Earth's Crust
          - Article Section: Erosion and Deposition
            - "Set my Reading Level 1" for at level students (top right-hand corner of the screen)
            - "Set my Reading Level 2 or 3" for above level students (top right-hand corner of the screen)
  - Erosion
    - "Set my Reading Level 1" for at level students (top right-hand corner of the screen)
    - "Set my Reading Level 2 or 3" for above level students (top right-hand corner of the screen)
  - The Rock Cycle
    - Interactive Media

## TrueFLIX

- Experiments with Rock and Minerals
  - Chapter: Earth as a Recycler

*SLO: Describe some common uses of rocks and minerals; and identify examples of those uses within the school, home or local community.*

## **Resources for Students Reading At Grade or Above Grade Level**

### PowerKnowledge Earth and Space Science

- Rocks and Minerals
  - [Studying Rocks](#)

- Article Section: [Useful Rocks](#)

## **Topic B: Building with a variety of Materials**

## **Topic C: Testing Materials and Design**

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*SLO: Identify the intended purpose and use of structures to be built, and explain how knowing the intended purpose and use helps guide decisions regarding materials and easing. (Topic B)*

*SLO: Recognize that functional structures must be sufficiently strong and stable and that unstable or weak structures are often unsafe to use. (Topic C)*

*SLO: Apply procedures to test the strength of construction materials, in particular, different stocks of papers, plastics and wood. (Topic C)*

*SLO: Apply procedure to test the strength of different methods of joining. (Topic C)*

### **Resources for students Reading Below Grade Level**

PebbleGO Science

- Science and Engineering Practices
  - Asking Questions
  - Using Models
  - Answers and Solutions

### **Resources for Students Reading At Grade or Above Grade Level**

ScienceFLIX

- Tech, Math, & Engineering
  - Engineering Design
    - Watch It!
    - Read It!
    - Dive Deeper!
      - Criteria and Constraints
        - Technical Specifications
      - Modeling and Testing
        - Product Testing
      - Real-World Applications
        - Triumphs of Engineering
          - Slideshow

## Crash Course Kids

- (Playlist of 17 videos) [Engineering: The Engineering Process](#)

## Topic D: Hearing and Sound

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*SLO: Identify examples of vibration.*

*SLO: Recognize that sound is the result of vibration; and demonstrate that the larger the vibration, the louder the sound.*

*SLO: Recognize that pitch is the result of differences in the rate of vibration, and predict how a change in the rate of vibration will affect the sound.*

### **Resources for students Reading Below Grade Level**

PebbleGO Science

- Physical Sciences
  - Sound

### **Resources for Students Reading At Grade or Above Grade Level**

Britannica School

- Elementary
  - Articles
    - Science and Mathematics
      - Physical Sciences
        - Sound

PowerKnowledge Physical Science

- Energy and Matter
  - Light and Sound
    - [Sound Waves](#)
      - Article Sections: [What is Sound?](#), [Our Vocal Cords](#), [Waves](#)
- Science Fair Projects and Experiments
  - [How Sounds Travels](#)

PowerKnowledge Earth and Space Science

- Energy and Matter
  - Energy
    - [Forms of Energy](#)
      - Article Sections: [Kinetic Energy](#), [Sound](#)



## PowerKnowledge Life Science

- Science Fair Projects and Experiments
  - [Grass Whistles](#)

## ScienceFLIX

- Physical Science
  - Sound
    - Watch It!
    - Read It!
      - “Set my Reading Level 1” for at level students (top right-hand corner of the screen)
      - “Set my Reading Level 2 or 3” for above level students (top right-hand corner of the screen)
    - Dive Deeper!
      - Producing Sound
        - Vibrations and Waves
          - “Set my Reading Level 1” for at level students (top right-hand corner of the screen)
          - “Set my Reading Level 2 or 3” for above level students (top right-hand corner of the screen)
        - Intensities of Everyday Sounds
          - Interactive Media
        - Musical Sound
          - “Set my Reading Level 1” for at level students (top right-hand corner of the screen)
          - “Set my Reading Level 2 or 3” for above level students (top right-hand corner of the screen)

*SLO: Describe how the human ear senses vibrations.*

### **Resources for students Reading Below Grade Level**

PebbleGO Science

- Physical Sciences
  - Sound
- Life Sciences
  - Humans
    - Senses
      - Hearing

### **Resources for Students Reading At Grade or Above Grade Level**

Britannica School

- Elementary
  - Articles
    - Science and Mathematics
      - Health and Medicine
        - Anatomy
          - Ear

PowerKnowledge Physical Science

- Energy and Matter
  - Light and Sound
    - [Sounds Waves](#)
      - Article Sections: [Hearing Sounds Waves](#), [Sounds We Can Hear](#)

PowerKnowledge Life Science

- Human Body
  - Your Body Parts
    - [Ears](#)

Science FLIX

- Physical Science
  - Sound
    - Dive Deeper!

- Perceiving Sound
  - The Ear and Hearing
    - “Set my Reading Level 1” for at level students (top right-hand corner of the screen)
    - “Set my Reading Level 2 or 3” for above level students (top right-hand corner of the screen)
  - The Doppler Effect
    - Interactive Media
  - Acoustics
    - “Set my Reading Level 1” for at level students (top right-hand corner of the screen)
    - “Set my Reading Level 2 or 3” for above level students (top right-hand corner of the screen)

*SLO: Describe changes in hearing that result from continued exposure to loud noise and from the natural process of aging.*

*SLO: Explain the role that sounds plays in communication.*

### **Resources for students Reading Below Grade Level**

PebbleGO Social Studies

- Culture and Awareness
  - Understanding Disabilities
    - Deafness

### **Resources for Students Reading At Grade or Above Grade Level**

Britannica School

- Elementary
  - Keyword Search: Communication
    - Communication
    - Inventors at a Glance

- Article Section: Inventors by Type of Inventions
  - Sign Language (forms of communication)

#### PowerKnowledge Physical Science

- Energy and Matter
  - Electricity and Magnetism
    - [Alexander Graham Bell and the Telephone](#)
      - Article Sections: [Exciting Discovery](#), [The Telephone](#), [Inside the Science](#)

#### ScienceFLIX

- Physical Science
  - Sound
    - Explore More
      - Perceiving Sound
        - Deafness
        - Hearing Aid
        - Hearing Problems

## Topic E: Animal Life Cycles

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*SLO: Observe and describe the growth and development of at least one living animal, as the animal develops from early to more advanced stages. The animal(s) should be from one or more of the following groups: mammals, birds, fish, reptiles, amphibians, insects.*

### **Resources for All Reading Levels**

#### BookFLIX

- Animals and Nature
  - Pairs: 5-8
    - Bugs, Bugs, Bugs/A Lady Bug Larva Grows Up
    - The Caterpillar and the Polliwog/A Tadpole Grows Up
    - Bear Snores On/A Bear Cub Grows Up
  - Pairs: 37-40
    - Rosie's Walk/A Chick Grows Up
  - Pairs: 45-47
    - Waiting for Wings/Butterflies

### **Resources for Students Reading At Grade or Above Grade Level**

#### Britannica School

- Elementary
  - Keyword Search: Life Cycles
    - Life Cycle from the article Insect (animal class)
    - Life Cycle (biology)
    - Life Cycle from the article butterfly and moth (insect)
    - Life Cycle from the article spider (arachnid)
    - Moths and Butterflies from the article cocoon (Biology)

#### National Geographic Kids Virtual Library

- Keyword Search: Animal Life Cycles
  - Videos
    - [Dr. Jekyll and Mr. Hyde of Tadpoles](#)
    - [How a Caterpillar Becomes a Butterfly](#)
  - Books

- [Butterflies \(Delano, Marie Ferguson\)](#)
- Keyword Search: "life cycle"
  - [Face to Face With Butterflies \(Murawski, Darlyne A.\)](#)
    - Pages 13-14, 30-33
  - [Frogs! \(Carney, Elizabeth\)](#)
    - Pages 13, 30

#### PowerKnowledge Life Science

- Life Cycles
  - [All About Life Cycles](#)
  - [Life Cycle of a Bear](#)
  - [Life Cycle of a Butterfly](#)
  - [Life Cycle of a Chicken](#)
  - [Life Cycle of a Duck](#)
  - [Life Cycle of an Earthworm](#)
  - [Life Cycle of a Horse](#)
  - [Life Cycle of a Mouse](#)
  - [Life Cycle of a Snail](#)
  - [Life Cycle of a Whale](#)

#### ScienceFLIX

- Life Cycles
  - Watch It!
  - Read It!
    - "Set my Reading Level 1" for at level students (top right-hand corner of the screen)
    - "Set my Reading Level 2 or 3" for above level students (top right-hand corner of the screen)
  - Dive Deeper!
    - Growth and Development
      - Metamorphosis
        - Interactive Media

*SLO: Identify the food needs of at least one animal from each of the following groups: mammals, birds, fish, reptiles, amphibians, insects; and describe changes in how each animal obtains food through different stages of its life.*

### **Resources for students Reading Below Grade Level**

National Geographic Kids Virtual Library

- Keyword Search: birds
  - Books
    - [Owls \(Marsh, Laura\)](#)
    - [Penguins \(Esbaum, Jill\)](#)
    - [Everything Insects \(Gleason, Carrie, and Dino J. Martins\)](#)
    - [Penguins! \(Schreiber, Anne\)](#)
    - [Bats \(Carney, Elizabeth\)](#)

PebbleGO Animals

- Amphibians
  - Frogs
  - Mudpuppies
  - Newts
  - Salamanders
  - Toads
- Birds
  - Birds of Prey
    - Eagles
    - Falcons
    - Hawks
    - Owls
    - Vultures
  - Penguins
    - Adelie Penguins
    - African Penguins
    - Emperor Penguins
    - King Penguins
  - Songbirds
    - Blue Jays

- Cardinals
  - Crows
  - Orioles
  - Robins
  - Sparrows
- Other Birds
  - Arctic Terns
  - Canada Geese
  - Ducks
  - Emus
  - Flamigos
  - Hummingbirds
  - Kingfishers
  - Parrots
  - Peacocks
  - Pelicans
  - Puffins
  - Wild Turkeys
  - Woodpeckers
- Fish
  - Sharks
    - Basking Sharks
    - Blue Sharks
    - Great White Sharks
    - Hammerhead Sharks
    - Mako Sharks
    - Megamouth Sharks
    - Nurse Sharks
    - Tiger Sharks
  - Other Fish
    - Angelfish
    - Barracudas
    - Clown Fish
    - Coelacanths
    - Eels
    - Parrotfish



- Piranhas
- Puffer Fish
- Salmon
- Sea Horses
- Stingrays
- Trout
- Insects and Spiders
  - Insects
    - Ants
    - Cicadas
    - Crickets
    - Dragonflies
    - Fireflies
    - Flies
    - Grasshoppers
    - Honeybees
    - Inchworms
    - Ladybugs
    - Mealworms
    - Monarch Butterflies
    - Mosquitos
    - Moths
    - Painted Lady Butterflies
    - Silkworms
    - Termites
    - Walking Sticks
    - Wasps
  - Mammals
    - Bears
      - Black Bears
      - Giant Pandas
      - Grizzly Bears
    - Desert Mammals
      - Antelope
      - Armadillos
      - Camels

- Jackrabbits
- Kangaroos
- Meerkats
- Grassland Mammals
  - Aardvarks
  - African Elephants
  - Anteaters
  - Bison
  - Giraffes
  - Hyenas
  - Moles
  - Prairie Dogs
  - Rhinoceroses
  - Zebras
- Polar Mammals
  - Arctic Foxes
  - Arctic Hares
  - Caribou
  - Lemmings
  - Musk Oxen
  - Polar Bears
  - Snowshoe Hares
  - Walruses
  - Wolverines
- Primates
  - Aye-Aye
  - Baboons
  - Chimpanzees
  - Gibbons
  - Gorillas
  - Howler Monkeys
  - Lemurs
  - Orangutans
  - Spider Monkeys
- Wetland Mammals
  - Beaver

- Capybaras
- Hippopotamuses
- Muskrats
- River Otters
- Whales and Other Water Mammals
  - Belugas
  - Blue Whales
  - Dolphins
  - Gray Wolves
  - Humpback Whales
  - Killer Whales
  - Manatees
  - Sea Lions
  - Sea Otters
  - Seals
  - Sperm Whales
- Wildcats
  - Bobcats
  - Cheetahs
  - Cougars
  - Jaguars
  - Leopards
  - Lions
  - Lynx
  - Tigers
- Woodland Mammals
  - Asian Elephants
  - Badgers
  - Chipmunks
  - Coyotes
  - Deer
  - Hedgehogs
  - Mice
  - Moose
  - Opossums
  - Porcupines

- Raccoons
- Skunks
- Squirrels
- Wolves
- Woodchucks
- Other Mammals
  - Bats
  - Echidnas
  - Koalas
  - Naked Mole-Rats
  - Okapis
  - Platypuses
  - Sloths
  - Sugar Gliders
  - Tapirs
- Reptiles
  - Alligators
  - Crocodiles
  - Lizards
    - Bearded Dragons
    - Chameleons
    - Geckos
    - Gila Monsters
    - Iguanas
    - Komodo Dragons
  - Snakes
    - Anacondas
    - Boa Constrictors
    - Cobras
    - Copperheads
    - Cottonmouths
    - Garter Snakes
    - Pythons
    - Rattlesnakes
  - Turtles

## **Resources for All Reading Levels**

Scholastic GO! (formerly Amazing Animals of the World)

- Click search button
  - Search "Mammals"
    - Level 1
      - Gray Wolf
      - Yellow Baboon
      - Grizzly Bear
      - Lion
      - Polar Bear
      - Arabian Camel
      - Muskrat
  - Search "Amphibians"
    - Level 1
      - African Bullfrog
      - Green Frog
  - Search "Birds"
    - Level 1
      - Bald Eagle
      - Blue Jay
      - Cardinal
      - Snowy Owl
      - Penguin
  - Search "Reptiles"
    - Level 1
      - American Crocodile
      - Gila Monster
      - Copperhead
      - King Cobra
      - Western Diamondback Rattlesnake
  - Search "Fish"
    - Level 1
      - Great White Shark
      - Atlantic Salmon
      - Great Barracuda
  - Search "Insects"

- Level 1
  - Two-Spotted Lady Beetle
  - Monarch Butterfly
  - Gypsy Moth
  - Green Bird Grasshopper

### **Resources for Students Reading At Grade or Above Grade Level**

Britannica School

- Elementary
  - Animal Kingdom
    - Amphibians and reptiles
      - Birds
      - Fish
      - Insects and other arthropods
      - Mammals

PowerKnowledge Life Science

- Animals
  - Birds
    - [Bald Eagles](#)
    - [Chickens](#)
    - [Geese](#)
    - [Owls](#)
    - [Peacocks](#)
    - [Pelicans](#)
    - [Peregrine Falcons](#)
    - [Red-Tailed Hawks](#)
    - [Seagulls](#)
    - [Vultures](#)
  - Bugs and Insects
    - [Spiders](#)
    - [Ants](#)
    - [Bees](#)
    - [Boll Weevils](#)

- [Butterflies](#)
- [Centipedes and Millipedes](#)
- [Cockroaches](#)
- [Crickets](#)
- [Dragonflies](#)
- [Dung Beetles](#)
- [Flies and Maggots](#)
- [Grasshoppers](#)
- [Ladybugs](#)
- [Leafhoppers](#)
- [Locusts](#)
- [Mosquitoes](#)
- [Scorpions](#)
- [Slugs](#)
- [Snails](#)
- [Stink Bugs](#)
- [Termites](#)
- [Ticks](#)
- [Wasps](#)
- [Worms](#)
- Fish and Other Water Creatures
  - [Clams](#)
  - [Crabs](#)
  - [Eels](#)
  - [Jellyfish](#)
  - [Manatees](#)
  - [Manta Rays](#)
  - [Octopuses and Squid](#)
  - [Orcas](#)
  - [Otters](#)
  - [Penguins](#)
  - [Pufferfish](#)
  - [Scorpion Fish](#)
  - [Sea Lions](#)
  - [Sea Urchins](#)
  - [Seals](#)

- [Starfish](#)
- [Stingrays](#)
- [Walruses](#)
- [Whales](#)
- Mammals
  - [Beavers](#)
  - [Cattle](#)
  - [Dolphins](#)
  - [Donkeys](#)
  - [Gazelles](#)
  - [Goats](#)
  - [Guinea Pigs](#)
  - [Hippos](#)
  - [Kangaroos](#)
  - [Prairie Dogs](#)
  - [Rabbits](#)
  - [Raccoons](#)
  - [Rhinos](#)
  - [Ring-Tailed Lemurs](#)
  - [Seals](#)
  - [Sheep](#)
  - [Skunks](#)
  - [Sloths](#)
  - [Walruses](#)
  - [Whales](#)
  - [White-Tailed Deer](#)
  - [Wolves](#)
  - [Wombats](#)
- Reptiles and Amphibians
  - Frogs
    - [Bullfrogs](#)
  - Lizards
    - [Gila Monsters](#)
  - Snakes



- [Boas](#)
- [Copperheads](#)
- [Garter Snakes](#)
- [Rattlesnakes](#)
- Turtles and Tortoises
  - [All About Turtles](#)
- [Crocodiles](#)
- [Salamanders](#)

#### Crash Course Kids

- [Gotta Eat!: Crash Course Kids #1.1](#)
- [Feed Me: Classifying Organisms: Crash Course Kids #1.2](#)

*SLO: Demonstrate awareness that animals require different habitats in order to meet their basic needs of food, water, shelter and space.*

### **Resources for students Reading Below Grade Level**

#### PebbleGO Animals

- Animal Habitats
  - Desert Animals
  - Grassland Animals
  - Ocean Animals
  - Polar Animals
  - Rain Forest Animals
  - Wetland Animals
  - Woodland Animals

### **Resources for All Reading Levels**

#### Scholastic GO! (formerly Amazing Animals of the World)

- Click search button
  - Search "mammals"
    - Level 1
      - Gray Wolf
      - Yellow Baboon

- Grizzly Bear
  - Lion
  - Polar Bear
  - Arabian Camel
  - Muskrat
- Search “amphibians”
  - Level 1
    - African Bullfrog
    - Green Frog
- Search “birds”
  - Level 1
    - Bald Eagle
    - Blue Jay
    - Cardinal
    - Snowy Owl
    - Penguin
- Search “reptiles”
  - Level 1
    - American Crocodile
    - Gila Monster
    - Copperhead
    - King Cobra
    - Western Diamondback Rattlesnake
- Search “fish”
  - Level 1
    - Great White Shark
    - Atlantic Salmon
    - Great Barracuda
- Search “insects”
  - Level 1
    - Two-Spotted Lady Beetle
    - Monarch Butterfly
    - Gypsy Moth
    - Green Bird Grasshopper

## **Resources for Students Reading At Grade or Above Grade Level**

PowerKnowledge Life Science

- Habitats and Ecosystems
  - [Animals and Their Habitats](#)
    - [Bats and Their Homes](#)
    - [Beavers and Their Homes](#)
    - [Caribou of the Arctic](#)
    - [Forest Animals](#)
    - [Owls and Their Homes](#)
    - [Penguins and Their Homes](#)
    - [Polar Bears and the Arctic](#)
    - [Seals and the Antarctic](#)
    - [Snakes and Their Homes](#)
    - [Wetland Animals](#)
  - Understanding Habitats and Ecosystems
    - [World Habitats](#)
      - Article Sections: [What is a Habitat?](#), [Animals and Habitats](#), [How Does a Habitat Change?](#), [People and Habitats](#)

*SLO: Recognize adaptations of a young animal to its environment, and identify changes in its relationship to its environment as it goes through life.*

## **Resources for Students Reading At Grade or Above Grade Level**

PowerKnowledge Life Science

- Endangered and Extinct Animals
  - Endangered Species
    - [Organisms and the Environment](#)
      - Article Sections: [Changing over Time](#), [Natural Selection](#)

*SLO: Identify examples of environmental conditions that may threaten animal survival, and identify examples of extinct animals.*

### **Resources for students Reading Below Grade Level**

PebbleGO Science

- Life Sciences
  - Animals
    - Endangered and Threatened Animals

### **Resources for Students Reading At Grade or Above Grade Level**

PowerKnowledge Life Science

- Endangered and Extinct Animals
  - Endangered Species
    - [Endangered Animals of North America](#)
    - [Organisms and the Environment](#)
      - Article Sections: [What is the Environment?](#), [Organisms and the Environment](#), [Animals and the Environment](#), [Learning from Our Mistakes](#)

ScienceFLIX

- Endangered Species
  - Watch It!
  - Read It!
    - “Set my Reading Level 1” for at level students (top right-hand corner of the screen)
    - “Set my Reading Level 2 or 3” for above level students (top right-hand corner of the screen)
  - Dive Deeper!
    - Near the Brink
      - A Gallery of Endangered Species
        - Video Recording
      - Ranking the Endangered
        - “Set my Reading Level 1” for at level students (top right-hand corner of the screen)
        - “Set my Reading Level 2 or 3” for above level students (top right-hand corner of the screen)

- Causes of Endangerment
    - Hunting and Poaching
-