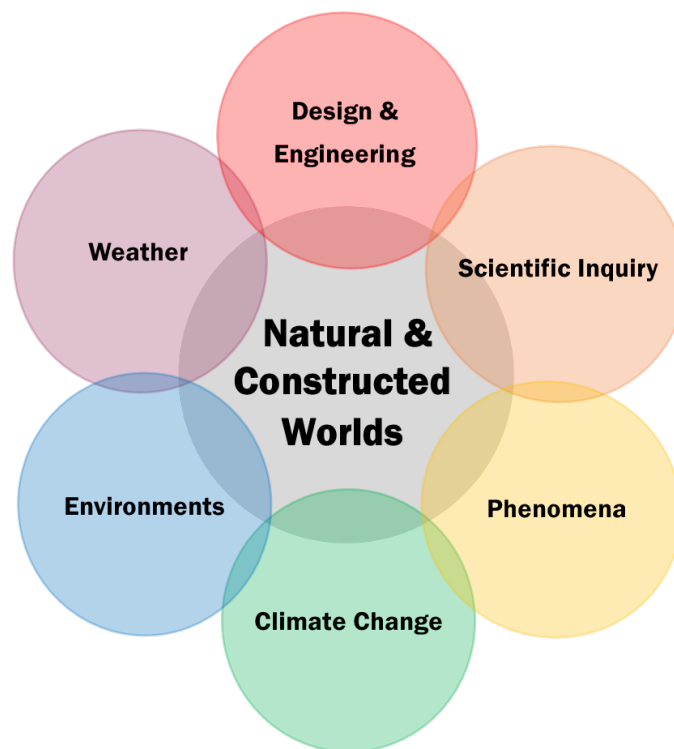


Natural and Constructed Worlds Thematic Evergreen: PBS Program and Supplemental Resources

Purpose

The purpose of this resource is to support students and teachers in using PBS programming and supplemental resources through inquiry processes of interdisciplinary learning activities. Themes were identified based on available resources, content standards, and the [Vermont Portrait of a Graduate](#). Programs and resources that align with the theme of Natural and Constructed Worlds are organized below. The resources are divided by elementary and secondary, though resources can be considered for use at any grade level. Content standards that align with available programs and resources are also included in this document.



Standards

Science

Discipline	Disciplinary Core Idea
Physical Sciences	Matter and Its Interactions [PS1.A Structure and Properties of Matter (2, 5)]

Contact Information:

If you have questions about this document or would like additional information please contact: Kyle Anderson, Student Pathways Division, at kyle.anderson@vermont.gov.

Discipline	Disciplinary Core Idea
	Energy [PS3.A Definitions of Energy, PS3.B (4)] Waves and Their Applications in Technologies for Information Transfer [PS4.A Wave properties (1,4)]
Life Sciences	From Molecules to Organisms: Structures and Processes [LS1.C Organization for matter and energy flow in organisms (K)] Ecosystems: Interactions, Energy and Dynamics [LS2.D Social Interactions and Group Behavior (3)] Biological Evolution: Unity and Diversity [LS4.C Adaptation, LS4.D Biodiversity and Humans (2, 3)]
Earth and Space	Earth and Human Activity [ESS3.A Natural Resources (K)] Earth's Place in the Universe [ESS1.A The Universe and its Stars, ESS1.B Earth and the Solar System (1, 2, 4, 5)] Earth's Systems [ESS2.D Weather and Climate (K, 3)]

Arts

Anchor Standard	Enduring Understanding
VA 2. Organize and develop artistic ideas and work.	People create and interact with objects, places, and design that define, shape, enhance, and empower their lives

Math

Domain	Standard
Mathematical Practice	Make sense of problems and persevere in solving them.

The resources below are organized by general program resources and episode-specific resources and provide opportunities for students to develop skills related to natural and constructed worlds. General resources are listed below the program title, while episode-specific resources are organized in tables.

Elementary

Wild Kratts

- PBS Learning Media: [Birds of a Feather - Clips from Wild Kratts Collection](#)
- PBS Learning Media: [Martin Discovers the Peregrine Falcon - Kratts Creatures](#)
- PBS Learning Media: [Amazing Cheetahs](#), [Cheetah Velocity](#) and [Reaching Cheetah Speed](#) from Kratts Creatures Collection
- PBS Learning Media: [Fun with Raptors](#), [Counting Raptors](#), and [No More Cages!](#)

- PBS Learning Media: [Sloths in their Ecosystem](#)
- PBS Learning Media: [Wild Kratts - Animals and Their Habitats Activity Plan \(PBS Kids Summer\)](#)

Ready Jet Go

- NASA: [Astronomy Picture of the Day](#)
- Mystery Science Lessons: [Spinning Sky-Sun, Moon Stars](#)
- National Geographic: [Exploring Maps and Models of Earth](#)
- NASA: [Aeronautics for PreK](#)
- Scholastic: [Scientific Thinking \(article\)](#)

Curious George

- PBS Parents: [Hands-On Activities](#)

Hero Elementary

Episode	Resources
Hatching a Plan/The Invisible Force (101)	PBS Learning Media: Animal Parents and Their Young (some printable) STEM-Works: Wind Energy (printable)
Saved From the Bell/The Right Stuff (102)	PBS Learning Media: Sound Vibrations lesson plan PBS Learning Media: Classifying Matter (some printable)
Tail of One Kitty/Movie Theater Meltdown (103)	PBS Learning Media: Animal Body Parts (some printable) PBS Learning Media: Heating and Cooling (some printable)
The Lake Mistake/Plant Problem (104)	PBS Learning Media: Solid or Liquid (some printable) PBS Learning Media: Parts of Plants (some printable)
Where's Fur Blur/The Blob (105)	PBS Learning Media: Five Senses (some printable) PBS Learning Media: Properties of Materials (some printable)
Hatching a Plan/The Invisible Force (101)	PBS Learning Media: Animal Parents and Their Young (some printable) STEM-Works: Wind Energy (printable)
Saved From the Bell/The Right Stuff (102)	PBS Learning Media: Sound Vibrations lesson plan PBS Learning Media: Classifying Matter (some printable)
Tail of One Kitty/Movie Theater Meltdown (103)	PBS Learning Media: Animal Body Parts (some printable) PBS Learning Media: Heating and Cooling (some printable)

Secondary

Nature

- [American Spring Live](#)
- [Animals of Winter](#)
- [Animals with Cameras: A Nature Miniseries](#)
- [Arctic Wolf Pack](#)
- [Attenborough and the Sea Dragon](#)
- [Bears](#)
- [Caught on Camera Backyard Nature](#)
- [Cheetah Children](#)
- [Cuba's Wild Revolution](#)
- [Dogs in the Land of Lions](#)
- [Forest of the Lynx](#)
- [Great Yellowstone Thaw](#)
- [Hotel Armadillo](#)
- [Naledi One Little Elephant](#)
- [Nature of Geography:](#)
- [Nature's Miniature Miracles](#)
- [Okavango River of Dreams Inferno](#)
- [Okavango River of Dreams Limbo](#)
- [Okavango River of Dreams Paradise](#)
- [Operation Man-eater: Great White Shark](#)
- [Prehistoric Road Trip: Tiny Teeth, Fearsome Beasts \(Part 3\)](#)
- [Raising the Dinosaur Giant](#)
- [Serengeti Rules](#)
- [Super Cats](#)
- [Undercover in the Jungle](#)
- [Wild Florida](#)
- [Wild Way of the Viking](#)
- [World's Most Wanted Animal](#)

NOVA

Episode	Resources
Animal Espionage	
Apollo's Daring Mission	PBS Learning Media: Mission Solar System
Black Hole Apocalypse	NASA: Black Hole FAQs (printable) Chandra: Black Hole Classifications

Episode	Resources
	NASA SpacePlace: Black Hole Rescue
Black Hole Universe	Nova: Black Hole Information Paradox Ask a Spaceman: Solutions to the Black Hole Information Paradox

[Ancient Skies Collection](#)

Episode	Resources
Gods and Monsters	Architectural Marvels (printable) PBS Learning Media: Night Sky Observation History: Greek Mythology (printable)
Finding Center	Early Astronomers: Ptolemy, Aristotle, Copernicus, and Galileo (printable) _ The Galileo Project (printable) How Our Solar System Formed: A Close Look at the Planets Orbiting Our Sun (printable)
Our Place on Earth	Newsela: Exploring the Solar System (printable) Newsela: Our Solar System (printable) Exploratorium: Build a Solar System