



# Environmental Education Resource List

## English-Spanish Bilingual

This document contains regional, national, and international environmental education resources for teachers in King County and beyond. The resources range from worksheets to multiweek units on a variety of topics. This is not an exhaustive list, but a selection of excellent resources from a variety of sources. The goal of this document is to assist educator in teaching environmental topics by reducing the time required to research and prepare lessons.

### How to use this document

The resources are organized by grade level from kindergarten to 8th grade. Within each grade level, the resources are organized by topic. For each resource, the following information is included: the publisher or source, the grade level range, a link to the resource, and a short description. A green flag in the margin indicates that a resource is specific to Washington State.

### Guide to Acronyms

DOE: Department of Ecology  
DNR: Department of Natural Resources  
EPA: Environmental Protection Agency  
FISH: Friends of the Issaquah Salmon Hatchery  
GLOBE: Global Learning and Observations to Benefit the Environment  
LLTK: Long Live The Kings  
NEED: National Energy Education Development  
NOAA: National Oceanic and Atmospheric Administration  
NPS: National Park Service  
NWF: National Wildlife Foundation  
PEI: Pacific Education Institute  
SIS: Salmon in the Schools  
USGS: United States Geologic Survey  
WISC: Washington Invasive Species Council  
WGS: Washington Geologic Survey  
WNPS: Washington Native Plant Society  
WWF: World Wildlife Foundation



Click here to go directly to your grade level

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# Kindergarten

## Water and Oceans

GLOBE: Discoveries at Willow Creek (K-4) [English](#) and [Spanish](#): A storybook and activities about water quality and scientific observations

EPA: [Exploring your Watershed](#) (K-6) English, student materials in [Spanish](#): Lesson plans for learning about watersheds



PEI: Going to the Beach ELA Performance Task (K) [English](#) and [Spanish](#): A booklet and accompanying writing activity about beach habitat

NOAA: [An Educator's Guide to Marine Debris](#) (K-5) English, Spanish: Lesson plans for learning about trash and pollution

## Plants & Forests



PEI: Humans and Wildfires (K) [English](#) and [Spanish](#): Lesson plans for learning about trees, effects of wildfires, and wildfire prevention

PLT: [Semillas viajeras](#) (K-8), Spanish: Worksheet and suggested activities for learning about seed transportation

PLT: [Los árboles como hábitats](#) (K-2), Spanish: Worksheet and suggested activities for learning about how trees provide habitat for animals

## Wildlife & Habitats



EarthGen: [Monarch Mystery](#) (K) English, Spanish: A story and activities about the lifecycle of monarch butterflies



PEI: [What lives on my school ground? Schoolyard Investigation](#) (K) English, Spanish: Lesson plans for learning about living and nonliving components of a habitat and an activity to learn about how sunlight affects the school habitat

GLOBE: The Mystery of the Missing Hummingbirds (K-4) [English](#) and [Spanish](#): Story and activities about seasonal changes to habitats

## Salmon



Wild Washington: [How to Grow Fish](#) (K-5) English, supplemental materials in Spanish: Lesson, readings, and video about fish hatcheries



Wild Washington: [Redband Trout and You](#) (K-5) English, supplemental materials in Spanish: Lesson and activities about redband trout ecology



Since Time Immemorial: [Honoring the Salmon](#) (K-3) English, Spanish: Lesson plans about the role of salmon in the cultures of Northwest Tribes

## Weather & Climate



PEI: What Will the Weather Be ELA Performance Task (K-2) [English](#) and [Spanish](#): A booklet and accompanying writing activity about weather

GLOBE: What's Up in the Atmosphere? Exploring Colors of the Sky (K-4) [English](#) and [Spanish](#): Story and activities about air pollution

GLOBE: Do You Know That Clouds Have Names? (K-4) [English](#) and [Spanish](#): Story and activities about the different types of clouds

GLOBE: [Atmosphere](#) (K-8) English, Spanish: Set of activities observing and measuring atmospheric conditions

GLOBE: What in the World Is Happening to Our Climate? (K-4) [English](#) and [Spanish](#): Story and activities about human effects on climate and the impacts of climate change around the world

GLOBE: All About Earth: Our World on Stage (K-4) [English](#) and [Spanish](#): Story and activities about how Earth's processes are interconnected

GLOBE: [Earth as a System](#) (K-8) English, Spanish: Activities to learn about global systems, climate change, and phenology

## Food, Gardens, & Soil



PEI: Food Waste (K) [English](#) and [Spanish](#): Lesson plans about reducing food waste

GLOBE: The Scoop on Soils (K-4) [English](#) and [Spanish](#): Story and activities for learning about soil composition and soil ecology

PLT: [Estratos del suelo](#) (K-4) Spanish: Worksheet and suggested activities for learning about soil components

WWF: Food Waste Warriors (K-8) [English](#) and [Spanish](#): Lessons, activities, and resources for learning about food waste

# 1st Grade


## Water & Oceans

GLOBE: Discoveries at Willow Creek (K-4) [English](#) and [Spanish](#): A storybook and activities about water quality and scientific observations

EPA: [Exploring your Watershed](#) (K-6) English, student materials in [Spanish](#): Lesson plans for learning about watersheds

NOAA: [An Educator's Guide to Marine Debris](#) (K-5) English, Spanish: Lesson plans for learning about trash and pollution

## Plants & Forests



PEI: Off to the Woods ELA Performance Task (1) [English](#) and [Spanish](#): A booklet and accompanying writing activity about forest habitats

PEI: [Getting to Know a Tree Schoolyard Investigation](#) (1) English and Spanish: Lessons and activities to learn about the parts of a tree and making scientific observations

PLT: [Semillas viajeras](#) (K-8), Spanish: Worksheet and suggested activities for learning about seed transportation

PLT: [Los árboles como hábitats](#) (K-2), Spanish: Worksheet and suggested activities for learning about how trees provide habitat for animals

## Wildlife & Habitats

GLOBE: The Mystery of the Missing Hummingbirds (K-4) [English](#) and [Spanish](#): Story and activities about seasonal changes to habitats

Cornell Lab of Ornithology: Celebrate Urban Birds Kit (K-4) [English](#) and [Spanish](#): Kit of materials for learning to identify and observe birds

Golden Gate Audubon: [Nature Activities](#) (K-4) English, Spanish: Worksheet and activities for observing birds

## Salmon



Wild Washington: [How to Grow Fish](#) (K-5) English, supplemental materials in Spanish: Lesson, readings, and video about fish hatcheries



Wild Washington: [Redband Trout and You](#) (K-5) English, supplemental materials in Spanish: Lesson and activities about redband trout ecology



LLTK: Steelhead Anatomy (1-5) [English](#) and [Spanish](#): Lesson plan and worksheet for learning about salmonid anatomy



Since Time Immemorial: [Honoring the Salmon](#) (K-3) English, Spanish: Lesson plans about the role of salmon in the cultures of Northwest Tribes

## Weather & Climate



PEI: What Will the Weather Be ELA Performance Task (K-2) [English](#) and [Spanish](#): Booklet and accompanying writing activity about weather

GLOBE: What's Up in the Atmosphere? Exploring Colors of the Sky (K-4) [English](#) and [Spanish](#): Story and activities about air pollution

GLOBE: Do You Know That Clouds Have Names? (K-4) [English](#) and [Spanish](#): Story and activities about the different types of clouds

GLOBE: [Atmosphere](#) (K-8) English, Spanish: Set of activities observing and measuring atmospheric conditions

GLOBE: What in the World Is Happening to Our Climate? (K-4) [English](#) and [Spanish](#): Story and activities about human effects on climate and the impacts of climate change around the world

GLOBE: All About Earth: Our World on Stage (K-4) [English](#) and [Spanish](#): Story and activities about how Earth's processes are interconnected

GLOBE: [Earth as a System](#) (K-8) English, Spanish: Activities to learn about global systems, climate change, and phenology

## Food, Gardens, & Soil

GLOBE: The Scoop on Soils (K-4) [English](#) and [Spanish](#): Story and activities for learning about about soil composition and soil ecology

PLT: [Estratos del suelo](#) (K-4) Spanish: Worksheet and suggested activities for learning about soil components

WWF: Food Waste Warriors (K-8) [English](#) and [Spanish](#): Lessons, activities, and resources for learning about food waste

# 2nd Grade

## Water & Oceans

GLOBE: Discoveries at Willow Creek (K-4) [English](#) and [Spanish](#): A storybook and activities about water quality and scientific observations

EPA: [Exploring your Watershed](#) (K-6) English, student materials in [Spanish](#): Lesson plans for learning about watersheds

GLOBE: [Hydrosphere](#) (2-8) English, Spanish: Activities to learn about water quality, conducting testing, and gathering data

PEI: Estuaries ELA Performance Task (2) [English](#) and [Spanish](#): Reading and accompanying writing activity about estuarine habitats

NOAA: [An Educator's Guide to Marine Debris](#) (K-5) English, Spanish: Lesson plans for learning about trash and pollution



## Plants & Forests

PLT: [Árboles por muchos motivos](#) (2-6), Spanish: Worksheet and suggested activities for learning about conservation

PLT: [Semillas viajeras](#) (K-8), Spanish: Worksheet and suggested activities for learning about seed transportation

PLT: [Los árboles como hábitats](#) (K-2), Spanish: Worksheet and suggested activities for learning about how trees provide habitat for animals

## Wildlife & Habitats

PEI: [Toad Abode Schoolyard Investigation](#) (2) English, Spanish: Lesson plans and activity incorporating design principles to create a shelter for animals

GLOBE: The Mystery of the Missing Hummingbirds (K-4) [English](#) and [Spanish](#): Story and activities about seasonal changes to habitats





## Salmon



Wild Washington: [How to Grow Fish](#) (K-5) English, supplemental materials in Spanish: Lesson, readings, and video about fish hatcheries



Wild Washington: [Redband Trout and You](#) (K-5) English, supplemental materials in Spanish: Lesson and activities about redband trout ecology



LLTK: Steelhead Anatomy (1-5) [English](#) and [Spanish](#): Lesson plan and worksheet for learning about salmonid anatomy



LLTK: Steelhead Survival Game (2-6) [English](#) and [Spanish](#): Math activity (multi-digit subtraction) and game to learn about the dangers that migrating salmonids face



Since Time Immemorial: [Honoring the Salmon](#) (K-3) English, Spanish: Lesson plans about the role of salmon in the cultures of Northwest Tribes

## Weather & Climate



PEI: What Will the Weather Be ELA Performance Task (K-2) [English](#) and [Spanish](#): Booklet and accompanying writing activity about weather

GLOBE: What's Up in the Atmosphere? Exploring Colors of the Sky (K-4) [English](#) and [Spanish](#): Story and activities about air pollution

GLOBE: Do You Know That Clouds Have Names? (K-4) [English](#) and [Spanish](#): Story and activities about the different types of clouds

GLOBE: [Atmosphere](#) (K-8) English, Spanish: Set of activities observing and measuring atmospheric conditions

GLOBE: What in the World Is Happening to Our Climate? (K-4) [English](#) and [Spanish](#): Story and activities about human effects on climate and the impacts of climate change around the world

GLOBE: All About Earth: Our World on Stage (K-4) [English](#) and [Spanish](#): Story and activities about how Earth's processes are interconnected

GLOBE: [Earth as a System](#) (K-8) English, Spanish: Activities to learn about global systems, climate change, and phenology

## Food, Gardens, & Soil

GLOBE: The Scoop on Soils (K-4) [English](#) and [Spanish](#): Story and activities for learning about about soil composition and soil ecology

PLT: [Estratos del suelo](#) (K-4) Spanish: Worksheet and suggested activities for learning about soil components

GLOBE: [Pedosphere](#) (2-8) English, Spanish: Activities for learning about soil morphology and properties

WWF: Food Waste Warriors (K-8) [English](#) and [Spanish](#): Lessons, activities, and resources for learning about food waste



# 3rd Grade

## Oceans



Wild Washington: [Fisheries for the Future](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and worksheet on sustainable seafood



Wild Washington: [Marine Mammals of Washington](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and activity about marine mammal adaptations

NOAA: [An Educator's Guide to Marine Debris](#) (K-5) English, Spanish: Lesson plans for teaching about trash and pollution

Nat Geo: Shark Teeth (3-5) [English](#) and [Spanish](#): Lesson plan and suggested activities for learning about shark adaptations and conservation

Nat Geo: Coral Reef Fish Survey Simulation (3-5) [English](#) and [Spanish](#): Activity to learn about how and why fish surveys are conducted

Nat Geo: Track Leatherback Sea Turtles (3-5) [English](#) and [Spanish](#): Mapping activity using research and data analysis skills

Nat Geo: Ocean Exploration (3-8) [English](#) and [Spanish](#): Lesson plan and suggested activities for learning about ocean exploration

Nat Geo: Mapping Marine Ecosystems (3-8) [English](#) and [Spanish](#): Lesson plan and activities for learning about different marine ecosystems

Nat Geo: Protect the Blue: Marine Protected Areas (3-8) [English](#) and [Spanish](#): Lesson plan and data visualization activity focusing on the importance of Marine Protected Areas (MPAs)

## Water



PEI: Clean Water Healthy Fish ELA Performance Task (3-4) [English](#) and [Spanish](#): Reading and accompanying writing activity about water quality and fish health



Wild Washington: [Solution to Pollution](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and graphing activity about plastic pollution

GLOBE: Discoveries at Willow Creek (K-4) [English](#) and [Spanish](#): A storybook and activities about water quality and scientific observations

GLOBE: [Hydrosphere](#) (2-8) English, Spanish: Activities to learn about water quality, conducting testing, and gathering data

BioEd Online: [The Science of Water](#) (3-5) English, with student materials in Spanish: Lesson plans for teaching about the properties of water

EPA: [Exploring your Watershed](#) (K-6) English, student materials in [Spanish](#): Lesson plans for learning about watersheds

## Plants & Forests



PEI: [Fall Color Leaf Change Schoolyard Investigation](#) (3) English and Spanish: Lesson plans for teaching about leaf types and leaf color change



PEI: Wildfires in Washington (3) [English](#) and [Spanish](#): Lesson plan for teaching about the causes of wildfires and the effects of climate change

Smithsonian Gardens: [Pollination Investigation](#) (3-8) English, with student materials in Spanish: Resources for field investigations of pollinators

PLT: [Árboles por muchos motivos](#) (2-6), Spanish: Worksheet and suggested activities for learning about conservation

PLT: [La fábrica de árboles](#) (3-6), Spanish: Lesson plan and suggested activities for teaching about tree physiology

PLT: [Semillas viajeras](#) (K-8), Spanish: Worksheet and suggested activities for learning about seed transportation

## Wildlife



PEI: BioBlitz ELA Performance Task (3-5) [English](#) and [Spanish](#): Reading and accompanying writing activity about citizen science and biodiversity



Wild Washington: [Beavers, Nature's Engineers](#) (3-5) English, with supplemental materials in Spanish: Lesson plans about beaver dams and their effects on surrounding ecosystems



Wild Washington: [Herps in Washington](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and activities about reptile and amphibian diversity



Wild Washington: [What Specialized Teeth You Have](#) (3-5) English, with supplemental materials in Spanish: Lesson plan focusing on carnivore adaptations, with an interactive tour of different types of skulls



Wild Washington: [Wildlife Life Cycles](#) (3-5) English, with supplemental materials in Spanish: Lesson plan about adaptations of baby animals and the phases of animal lifecycles

WWF: Tigers and Forests (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about tiger ecology and conservation

WWF: Sea Turtles and Oceans (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about sea turtle ecology and conservation

WWF: Polar Bears and Climate Change (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about climate change and polar bear conservation

WWF: Freshwater Dolphins and Conserving Freshwater Resources (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about freshwater dolphin ecology and conservation

WWF: Elephants (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about elephant conservation

WWF: Monarchs (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about monarch butterfly habitat and lifecycles

## Ecosystems & Ecology



Wild Washington: [Coastal Ecosystems of Washington](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and activities about the ecology of coastal ecosystems



Wild Washington: [Saving the Shrubsteppe](#) (3-5), English, with supplemental materials in Spanish: Lesson plan and virtual tours of the Eastern Washington shrubsteppe ecosystem



Wild Washington: [Temperate Rainforest Ecosystems](#) (3-5) English, with supplemental materials in Spanish: Lesson plans for teaching about temperate rainforest ecosystems in Washington



LLTK: Puget Sound Food Web (3-6) [English](#) and [Spanish](#): Lesson plan and activity for learning about food chains and food webs

GLOBE: The Mystery of the Missing Hummingbirds (K-4) [English](#) and [Spanish](#): Story and activities about seasonal changes to habitats

GLOBE: [Biosphere](#) (3-8) English, Spanish: Activities to observe and measure ecology, phenology, and the effects of human activities on ecosystems

PLT: [Especies invasoras](#) (3-6), Spanish: Worksheet and suggested activities for learning about invasive species

Wetlands Live: [Humedal en una botella](#) (3-6), Spanish: Activity that models how wetlands act as natural filters

## Salmon



Wild Washington: [How to Grow Fish](#) (K-5) English, supplemental materials in Spanish: Lesson, readings, and video about fish hatcheries



Wild Washington: [Redband Trout and You](#) (K-5) English, supplemental materials in Spanish: Lesson and activities about redband trout ecology



Wild Washington: [State of Salmon](#) (3-5) English and Spanish: Lesson plans and activities for learning about salmonid lifecycle, habitat, and population decline



LLTK: Steelhead Anatomy (1-5) [English](#) and [Spanish](#): Lesson plan and worksheet for learning about salmonid anatomy



LLTK: The Salmon Lifecycle (3-6) [English](#) and [Spanish](#): Lesson plan for teaching about the stages of the salmonid lifecycle



LLTK: Salmon of the Pacific Northwest (3-6) [English](#) and [Spanish](#): Activity for learning about the different species of salmon



LLTK: Steelhead Survival Game (2-6) [English](#) and [Spanish](#): Math activity (multi-digit subtraction) and game to learn about the dangers that migrating salmonids face



Since Time Immemorial: [Honoring the Salmon](#) (K-3) English, Spanish: Lesson plans about the role of salmon in the cultures of Northwest Tribes

## Weather

GLOBE: What's Up in the Atmosphere? Exploring Colors of the Sky (K-4) [English](#) and [Spanish](#): Story and activities about air pollution

GLOBE: Do You Know That Clouds Have Names? (K-4) [English](#) and [Spanish](#): Story and activities about the different types of clouds

GLOBE: [Atmosphere](#) (K-8) English, Spanish: Set of activities observing and measuring atmospheric conditions

## Climate

GLOBE: What in the World Is Happening to Our Climate? (K-4) [English](#) and [Spanish](#): Story and activities about human effects on climate and the impacts of climate change around the world

GLOBE: All About Earth: Our World on Stage (K-4) [English](#) and [Spanish](#): Story and activities about how Earth's processes are interconnected

GLOBE: [Earth as a System](#) (K-8) English, Spanish: Activities to learn about global systems, climate change, and phenology

BioEd Online: [Global Atmospheric Change](#) (3-5) English, with student materials in Spanish: Lesson plans about energy, the carbon cycle, and greenhouse gases

## Food, Gardens, & Soils



PEI: Vegetable Gardens ELA Performance Task (3) [English](#) and [Spanish](#): Reading and accompanying writing activities about vegetable gardens

BioEd Online: [The Science of Food](#) (3-5) English, with student materials in Spanish: Lesson plans for teaching about soil, plant growth, and food webs

WWF: Food Waste Warriors (K-8) [English](#) and [Spanish](#): Lessons, activities, and resources for learning about food waste



PEI: [Soil Temp Schoolyard Investigation](#) (3) English, Spanish: Lesson plans and activities exploring the connection between seed germination and soil temperature

GLOBE: The Scoop on Soils (K-4) [English](#) and [Spanish](#): Story and activities for learning about about soil composition and soil ecology

GLOBE: [Pedosphere](#) (2-8) English, Spanish: Activities for learning about soil morphology and properties

PLT: [Estratos del suelo](#) (K-4) Spanish: Worksheet and suggested activities for learning about soil components



## Sustainability



PEI: Renewable & Nonrenewable Energy ELA Performance Task (3-5) [English](#) and [Spanish](#): Reading and accompanying comprehension activities about energy sources

NEED: Elementary Energy Infobook (3-5) [English](#) and [Spanish](#): Activities for teaching about the science of energy, energy resources, and conservation

NEED: The Science of Energy (3-5) [English](#) and [Spanish](#): Activities for learning about types and properties of energy

NEED: Wonders of the Sun (3-5) [English](#) and [Spanish](#): Lesson plans and activities for teaching about solar energy

# 4th Grade

## Water



PEI: Clean Water Healthy Fish ELA Performance Task (3-4) [English](#) and [Spanish](#): Reading and accompanying writing activity about water quality and fish health



Wild Washington: [Solution to Pollution](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and graphing activity about plastic pollution

GLOBE: Discoveries at Willow Creek (K-4) [English](#) and [Spanish](#): A storybook and activities about water quality and scientific observations

GLOBE: [Hydrosphere](#) (2-8) English, Spanish: Activities to learn about water quality, conducting testing, and gathering data

BioEd Online: [The Science of Water](#) (3-5) English, with student materials in Spanish: Lesson plans for teaching about the properties of water



LLTK: What's a Watershed? (4-6) [English](#) and [Spanish](#): Lesson plan focusing on watersheds and stormwater

EPA: [Exploring your Watershed](#) (K-6) English, student materials in [Spanish](#): Lesson plans for learning about watersheds



IslandWood: [Community Waters](#) (4) English, with some materials in Spanish: Unit of lesson plans and activities investigating stormwater and pollution

## Oceans



Wild Washington: [Fisheries for the Future](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and worksheet on sustainable seafood



Wild Washington: [Marine Mammals of Washington](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and activity about marine mammal adaptations

NOAA: [An Educator's Guide to Marine Debris](#) (K-5) English, Spanish: Lesson plans for teaching about trash and pollution



LLTK: Marine Science Careers (4-8) [English](#) and [Spanish](#): Reading and worksheet for investigating different careers

Nat Geo: Shark Teeth (3-5) [English](#) and [Spanish](#): Lesson plan and suggested activities for learning about shark adaptations and conservation

Nat Geo: Coral Reef Fish Survey Simulation (3-5) [English](#) and [Spanish](#): Activity to learn about how and why fish surveys are conducted

Nat Geo: Track Leatherback Sea Turtles (3-5) [English](#) and [Spanish](#): Mapping activity using research and data analysis skills

Nat Geo: Ocean Exploration (3-8) [English](#) and [Spanish](#): Lesson plan and suggested activities for learning about ocean exploration

Nat Geo: Mapping Marine Ecosystems (3-8) [English](#) and [Spanish](#): Lesson plan and activities for learning about different marine ecosystems

Nat Geo: Protect the Blue: Marine Protected Areas (3-8) [English](#) and [Spanish](#): Lesson plan and data visualization activity focusing on the importance of Marine Protected Areas (MPAs)

Nat Geo: Exploring Oceans (4-8) [English](#) and [Spanish](#): Suggested activities using Google Earth and Pristine Seas Project data

## Wildlife



PEI: BioBlitz ELA Performance Task (3-5) [English](#) and [Spanish](#): Reading and accompanying writing activity about citizen science and biodiversity



Wild Washington: [Beavers, Nature's Engineers](#) (3-5) English, with supplemental materials in Spanish: Lesson plans about beaver dams and their effects on surrounding ecosystems



Wild Washington: [Herps in Washington](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and activities about reptile and amphibian diversity



Wild Washington: [What Specialized Teeth You Have](#) (3-5) English, with supplemental materials in Spanish: Lesson plan focusing on carnivore adaptations, with an interactive tour of different types of skulls



Wild Washington: [Wildlife Life Cycles](#) (3-5) English, with supplemental materials in Spanish: Lesson plan about adaptations of baby animals and the phases of animal lifecycles

WWF: Tigers and Forests (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about tiger ecology and conservation

WWF: Sea Turtles and Oceans (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about sea turtle ecology and conservation

WWF: Polar Bears and Climate Change (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about climate change and polar bear conservation

WWF: Freshwater Dolphins and Conserving Freshwater Resources (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about freshwater dolphin ecology and conservation

WWF: Elephants (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about elephant conservation

WWF: Monarchs (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about monarch butterfly habitat and lifecycles

## Ecosystems & Ecology



Wild Washington: [Coastal Ecosystems of Washington](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and activities about the ecology of coastal ecosystems



Wild Washington: [Saving the Shrubsteppe](#) (3-5), English, with supplemental materials in Spanish: Lesson plan and virtual tours of the Eastern Washington shrubsteppe ecosystem



Wild Washington: [Temperate Rainforest Ecosystems](#) (3-5) English, with supplemental materials in Spanish: Lesson plans for teaching about temperate rainforest ecosystems in Washington



LLTK: Puget Sound Food Web (3-6) [English](#) and [Spanish](#): Lesson plan and activity for learning about food chains and food webs

GLOBE: The Mystery of the Missing Hummingbirds (K-4) [English](#) and [Spanish](#): Story and activities about seasonal changes to habitats

GLOBE: [Biosphere](#) (3-8) English, Spanish: Activities to observe and measure ecology, phenology, and the effects of human activities on ecosystems

PLT: [Especies invasoras](#) (3-6), Spanish: Worksheet and suggested activities for learning about invasive species

PLT: [Red de vida](#) (4-8), Spanish: Lesson plan about food chains and food webs

PLT: [Ayer y hoy](#) (4-8), Spanish: Activity for students to learn about local history and development

Wetlands Live: [Humedal en una botella](#) (3-6), Spanish: Activity that models how wetlands act as natural filters

Wetlands Live: Sensational Wetlands (4-8), [English](#) and [Spanish](#): Activity to introduce students to the characteristics of a wetland

Wetlands Live: Wetland Bamboozle (4-8), [English](#) and [Spanish](#): Lesson plan for teaching about different types of wetlands

## Salmon



Wild Washington: [How to Grow Fish](#) (K-5) English, supplemental materials in Spanish: Lesson, readings, and video about fish hatcheries



Wild Washington: [Redband Trout and You](#) (K-5) English, supplemental materials in Spanish: Lesson and activities about redband trout ecology



Wild Washington: [State of Salmon](#) (3-5) English and Spanish: Lesson plans and activities for learning about salmonid lifecycle, habitat, and population decline



Environmental Science Center: [Virtual Salmon Heroes](#) (4-8) English and Spanish: Videos and activities about water quality, salmon anatomy, and stormwater

NOAA: An Incredible Journey (4-5) [English](#) and [Spanish](#): A unit of lessons on the salmon lifecycle, role in culture and the environment, threats, and conservation



LLTK: Steelhead Anatomy (1-5) [English](#) and [Spanish](#): Lesson plan and worksheet for learning about salmonid anatomy



LLTK: The Salmon Lifecycle (3-6) [English](#) and [Spanish](#): Lesson plan for teaching about the stages of the salmonid lifecycle



LLTK: Salmon of the Pacific Northwest (3-6) [English](#) and [Spanish](#): Activity for learning about the different species of salmon



LLTK: Steelhead Survival Game (2-6) [English](#) and [Spanish](#): Math activity (multi-digit subtraction) and game to learn about the dangers that migrating salmonids face



LLTK: Survive the Sound Journal (4-8) [English](#) and [Spanish](#): Journal activity to accompany the "Survive the Sound" interactive game each May



LLTK: Tribal Treaty Rights (4-8) [English](#) and [Spanish](#): Lesson plan about historical treaties and current fishing rights and tribal salmon management work



Since Time Immemorial: [Being Citizens of Washington: Salmon Recovery & the Boldt Decision](#) (4) English, Spanish: Unit of lessons on the importance of salmon in Northwest Tribes' cultures and the impacts of the Boldt Decision

## Plants & Forests

Smithsonian Gardens: [Pollination Investigation](#) (3-8) English, with student materials in Spanish: Resources for field investigations of pollinators

PLT: [Árboles por muchos motivos](#) (2-6), Spanish: Worksheet and suggested activities for learning about conservation

PLT: [La fábrica de árboles](#) (3-6), Spanish: Lesson plan and suggested activities for teaching about tree physiology

PLT: [Semillas viajeras](#) (K-8), Spanish: Worksheet and suggested activities for learning about seed transportation

## Weather

GLOBE: What's Up in the Atmosphere? Exploring Colors of the Sky (K-4) [English](#) and [Spanish](#): Story and activities about air pollution

GLOBE: Do You Know That Clouds Have Names? (K-4) [English](#) and [Spanish](#): Story and activities about the different types of clouds

GLOBE: [Atmosphere](#) (K-8) English, Spanish: Set of activities observing and measuring atmospheric conditions

## Climate

GLOBE: What in the World Is Happening to Our Climate? (K-4) [English](#) and [Spanish](#): Story and activities about human effects on climate and the impacts of climate change around the world

GLOBE: All About Earth: Our World on Stage (K-4) [English](#) and [Spanish](#): Story and activities about how Earth's processes are interconnected

GLOBE: [Earth as a System](#) (K-8) English, Spanish: Activities to learn about global systems, climate change, and phenology

BioEd Online: [Global Atmospheric Change](#) (3-5) English, with student materials in Spanish: Lesson plans about energy, the carbon cycle, and greenhouse gases

## Food, Gardens, & Soils

BioEd Online: [The Science of Food](#) (3-5) English, with student materials in Spanish: Lesson plans for teaching about soil, plant growth, and food webs

WWF: Food Waste Warriors (K-8) [English](#) and [Spanish](#): Lessons, activities, and resources for learning about food waste

GLOBE: The Scoop on Soils (K-4) [English](#) and [Spanish](#): Story and activities for learning about about soil composition and soil ecology

GLOBE: [Pedosphere](#) (2-8) English, Spanish: Activities for learning about soil morphology and properties

PLT: [Estratos del suelo](#) (K-4) Spanish: Worksheet and suggested activities for learning about soil components

## Sustainability

PEI: Renewable & Nonrenewable Energy ELA Performance Task (3-5) [English](#) and [Spanish](#): Reading and accompanying comprehension activities about energy sources

NEED: Elementary Energy Infobook (3-5) [English](#) and [Spanish](#): Activities for teaching about the science of energy, energy resources, and conservation

NEED: The Science of Energy (3-5) [English](#) and [Spanish](#): Activities for learning about types and properties of energy

NEED: Wonders of the Sun (3-5) [English](#) and [Spanish](#): Lesson plans and activities for teaching about solar energy





# 5th Grade

## Water



Wild Washington: [Solution to Pollution](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and graphing activity about plastic pollution

GLOBE: [Hydrosphere](#) (2-8) English, Spanish: Activities to learn about water quality, conducting testing, and gathering data

BioEd Online: [The Science of Water](#) (3-5) English, with student materials in Spanish: Lesson plans for teaching about the properties of water



LLTK: What's a Watershed? (4-6) [English](#) and [Spanish](#): Lesson plan focusing on watersheds and stormwater

EPA: [Exploring your Watershed](#) (K-6) English, student materials in [Spanish](#): Lesson plans for learning about watersheds

## Climate

GLOBE: [Atmosphere](#) (K-8) English, Spanish: Set of activities observing and measuring atmospheric conditions

GLOBE: [Earth as a System](#) (K-8) English, Spanish: Activities to learn about global systems, climate change, and phenology

BioEd Online: [Global Atmospheric Change](#) (3-5) English, with student materials in Spanish: Lesson plans about energy, the carbon cycle, and greenhouse gases

## Oceans



Wild Washington: [Fisheries for the Future](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and worksheet on sustainable seafood



Wild Washington: [Marine Mammals of Washington](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and activity about marine mammal adaptations

NOAA: [An Educator's Guide to Marine Debris](#) (K-8) English, Spanish: Lesson plans for teaching about trash and pollution



LLTK: Marine Science Careers (4-8) [English](#) and [Spanish](#): Reading and worksheet for investigating different careers

Nat Geo: Shark Teeth (3-5) [English](#) and [Spanish](#): Lesson plan and suggested activities for learning about shark adaptations and conservation

Nat Geo: Coral Reef Fish Survey Simulation (3-5) [English](#) and [Spanish](#): Activity to learn about how and why fish surveys are conducted

Nat Geo: Track Leatherback Sea Turtles (3-5) [English](#) and [Spanish](#): Mapping activity using research and data analysis skills

Nat Geo: Ocean Exploration (3-8) [English](#) and [Spanish](#): Lesson plan and suggested activities for learning about ocean exploration

Nat Geo: Mapping Marine Ecosystems (3-8) [English](#) and [Spanish](#): Lesson plan and activities for learning about different marine ecosystems

Nat Geo: Protect the Blue: Marine Protected Areas (3-8) [English](#) and [Spanish](#): Lesson plan and data visualization activity focusing on the importance of Marine Protected Areas (MPAs)

Nat Geo: Exploring Oceans (4-8) [English](#) and [Spanish](#): Suggested activities using Google Earth and Pristine Seas Project data

## Plants & Forests



PEI: Forest Ecosystem Benefits (5) [English](#) and [Spanish](#): Lesson plans about forest ecosystems and the cultural and environmental importance of forests

Smithsonian Gardens: [Pollination Investigation](#) (3-8) English, with student materials in Spanish: Resources for field investigations of pollinators

PLT: [Árboles por muchos motivos](#) (2-6), Spanish: Worksheet and suggested activities for learning about conservation

PLT: [La fábrica de árboles](#) (3-6), Spanish: Lesson plan and suggested activities for teaching about tree physiology

PLT: [Semillas viajeras](#) (K-8), Spanish: Worksheet and suggested activities for learning about seed transportation

## Food, Gardens, & Soils



PEI: Food Waste (5) [English](#) and [Spanish](#): Lesson plans and activities about the effects of food waste and solutions to reduce waste

BioEd Online: [The Science of Food](#) (3-5) English, with student materials in Spanish: Lesson plans for teaching about soil, plant growth, and food webs

WWF: Food Waste Warriors (K-8) [English](#) and [Spanish](#): Lessons, activities, and resources for learning about food waste



EarthGen: [Zombie Guacamole](#) (5) English, Spanish: Unit of lessons on decomposition and waste systems

GLOBE: [Pedosphere](#) (2-8) English, Spanish: Activities for learning about soil morphology and properties

## Ecosystems & Ecology



Wild Washington: [Coastal Ecosystems of Washington](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and activities about the ecology of coastal ecosystems



Wild Washington: [Saving the Shrubsteppe](#) (3-5), English, with supplemental materials in Spanish: Lesson plan and virtual tours of the Eastern Washington shrubsteppe ecosystem



Wild Washington: [Temperate Rainforest Ecosystems](#) (3-5) English, with supplemental materials in Spanish: Lesson plans for teaching about temperate rainforest ecosystems in Washington



LLTK: Puget Sound Food Web (3-6) [English](#) and [Spanish](#): Lesson plan and activity for learning about food chains and food webs

GLOBE: [Biosphere](#) (3-8) English, Spanish: Activities to observe and measure ecology, phenology, and the effects of human activities on ecosystems

PLT: [Especies invasoras](#) (3-6), Spanish: Worksheet and suggested activities for learning about invasive species

PLT: [Red de vida](#) (4-8), Spanish: Lesson plan about food chains and food webs

PLT: [Ayer y hoy](#) (4-8), Spanish: Activity for students to learn about local history and development

Wetlands Live: [Humedal en una botella](#) (3-6), Spanish: Activity that models how wetlands act as natural filters

Wetlands Live: Sensational Wetlands (4-8), [English](#) and [Spanish](#): Activity to introduce students to the characteristics of a wetland

Wetlands Live: Wetland Bamboozle (4-8), [English](#) and [Spanish](#): Lesson plan for teaching about different types of wetlands

## Wildlife



PEI: BioBlitz ELA Performance Task (3-5) [English](#) and [Spanish](#): Reading and accompanying writing activity about citizen science and biodiversity



Wild Washington: [Beavers, Nature's Engineers](#) (3-5) English, with supplemental materials in Spanish: Lesson plans about beaver dams and their effects on surrounding ecosystems



Wild Washington: [Herps in Washington](#) (3-5) English, with supplemental materials in Spanish: Lesson plan and activities about reptile and amphibian diversity



Wild Washington: [What Specialized Teeth You Have](#) (3-5) English, with supplemental materials in Spanish: Lesson plan focusing on carnivore adaptations, with an interactive tour of different types of skulls



Wild Washington: [Wildlife Life Cycles](#) (3-5) English, with supplemental materials in Spanish: Lesson plan about adaptations of baby animals and the phases of animal lifecycles

WWF: Tigers and Forests (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about tiger ecology and conservation

WWF: Sea Turtles and Oceans (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about sea turtle ecology and conservation

WWF: Polar Bears and Climate Change (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about climate change and polar bear conservation

WWF: Freshwater Dolphins and Conserving Freshwater Resources (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about freshwater dolphin ecology and conservation

WWF: Elephants (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about elephant conservation

WWF: Monarchs (3-5) [English](#) and [Spanish](#): Multidisciplinary lessons and activities about monarch butterfly habitat and lifecycles

## Salmon



Wild Washington: [How to Grow Fish](#) (K-5) English, supplemental materials in Spanish: Lesson, readings, and video about fish hatcheries



Wild Washington: [Redband Trout and You](#) (K-5) English, supplemental materials in Spanish: Lesson and activities about redband trout ecology



Wild Washington: [State of Salmon](#) (3-5) English and Spanish: Lesson plans and activities for learning about salmonid lifecycle, habitat, and population decline



Environmental Science Center: [Virtual Salmon Heroes](#) (4-8) English and Spanish: Videos and activities about water quality, salmon anatomy, and stormwater

NOAA: An Incredible Journey (4-5) [English](#) and [Spanish](#): A unit of lessons on the salmon lifecycle, role in culture and the environment, threats, and conservation



LLTK: Steelhead Anatomy (1-5) [English](#) and [Spanish](#): Lesson plan and worksheet for learning about salmonid anatomy



LLTK: The Salmon Lifecycle (3-6) [English](#) and [Spanish](#): Lesson plan for teaching about the stages of the salmonid lifecycle



LLTK: Salmon of the Pacific Northwest (3-6) [English](#) and [Spanish](#): Activity for learning about the different species of salmon



LLTK: Steelhead Survival Game (2-6) [English](#) and [Spanish](#): Math activity (multi-digit subtraction) and game to learn about the dangers that migrating salmonids face



LLTK: Survive the Sound Journal (4-8) [English](#) and [Spanish](#): Journal activity to accompany the "Survive the Sound" interactive game each May



LLTK: Tribal Treaty Rights (4-8) [English](#) and [Spanish](#): Lesson plan about historical treaties and current fishing rights and tribal salmon management work

## Sustainability



PEI: Renewable & Nonrenewable Energy ELA Performance Task (3-5) [English](#) and [Spanish](#): Reading and accompanying comprehension activities about energy sources

NEED: Elementary Energy Infobook (3-5) [English](#) and [Spanish](#): Activities for teaching about the science of energy, energy resources, and conservation

NEED: The Science of Energy (3-5) [English](#) and [Spanish](#): Activities for learning about types and properties of energy

NEED: Wonders of the Sun (3-5) [English](#) and [Spanish](#): Lesson plans and activities for teaching about solar energy

# 6th Grade

## Water

GLOBE: [Hydrosphere](#) (2-8) English, Spanish: Activities to learn about water quality, conducting testing, and gathering data

LLTK: What's a Watershed? (4-6) [English](#) and [Spanish](#): Lesson plan focusing on watersheds and stormwater

EPA: [Exploring your Watershed](#) (K-6) English, student materials in [Spanish](#): Lesson plans for learning about watersheds

Project WET: [From Design to Data: Water Quality Monitoring](#) (6-8) English, Spanish: Lesson plan for teaching about water quality monitoring goals and practices

Project WET: [Water Quality Indicators: Biological, Chemical, & Physical](#) Parameters (6-8) English, Spanish: Lesson plan and activities for teaching about water quality parameters

Project WET: [Cumulative Impacts in a Watershed](#) (6-8) English, Spanish: Lesson plan and activities for teaching about the effects of pollution and poor water quality

Project WET: [Graphic Data & Analyzing Trends in Water Quality](#) (6-8) English, Spanish: Lesson plan for teaching about watersheds and how to interpret datasets





## Oceans



NOAA: Saving the Southern Resident Killer Whales (6-8) [English](#) and [Spanish](#): A project-based learning unit about the threats facing local orcas and the actions people can take to help them

NOAA: [An Educator's Guide to Marine Debris](#) (K-8) English, Spanish: Lesson plans for teaching about trash and pollution



LLTK: Marine Science Careers (4-8) [English](#) and [Spanish](#): Reading and worksheet for investigating different careers

Nat Geo: Ocean Exploration (3-8) [English](#) and [Spanish](#): Lesson plan and suggested activities for learning about ocean exploration

Nat Geo: Mapping Marine Ecosystems (3-8) [English](#) and [Spanish](#): Lesson plan and activities for learning about different marine ecosystems

Nat Geo: Protect the Blue: Marine Protected Areas (3-8) [English](#) and [Spanish](#): Lesson plan and data visualization activity focusing on the importance of Marine Protected Areas (MPAs)

Nat Geo: Exploring Oceans (4-8) [English](#) and [Spanish](#): Suggested activities using Google Earth and Pristine Seas Project data

Nat Geo: Under the Sea (6-8) [English](#) and [Spanish](#): Lesson plan for teaching about trophic levels and the effects of plastic pollution

## Climate

GLOBE: [Atmosphere](#) (K-8) English, Spanish: Set of activities observing and measuring atmospheric conditions

GLOBE: [Earth as a System](#) (K-8) English, Spanish: Activities to learn about global systems, climate change, and phenology

USDA Climate Hub: [Climate Change and the Water Cycle](#) (6-12) English, Spanish: Unit of activities focusing on the effects of climate change

## Plants & Forests

PLT: [Árboles por muchos motivos](#) (2-6), Spanish: Worksheet and suggested activities for learning about conservation

PLT: [La fábrica de árboles](#) (3-6), Spanish: Lesson plan and suggested activities for teaching about tree physiology

PLT: [Semillas viajeras](#) (K-8), Spanish: Worksheet and suggested activities for learning about seed transportation

Project Learning Tree: [Teaching with i-Tree](#) (6-8) English and Spanish: Unit of lesson plans exploring the ecosystem services of trees using the free i-Tree software

Smithsonian Gardens: [Pollination Investigation](#) (3-8) English, with student materials in Spanish: Resources for field investigations of pollinators



PEI: Forest Management (6-8) [English](#) and [Spanish](#): Lesson plans and activities for teaching about wildfires and forest management

## Salmon



Environmental Science Center: [Virtual Salmon Heroes](#) (4-8) English and Spanish: Videos and activities about water quality, salmon anatomy, and stormwater



LLTK: The Salmon Lifecycle (3-6) [English](#) and [Spanish](#): Lesson plan for teaching about the stages of the salmonid lifecycle



LLTK: Salmon of the Pacific Northwest (3-6) [English](#) and [Spanish](#): Activity for learning about the different species of salmon



LLTK: Steelhead Survival Game (2-6) [English](#) and [Spanish](#): Math activity (multi-digit subtraction) and game to learn about the dangers that migrating salmonids face



LLTK: Survive the Sound Journal (4-8) [English](#) and [Spanish](#): Journal activity to accompany the "Survive the Sound" interactive game each May



LLTK: Tribal Treaty Rights (4-8) [English](#) and [Spanish](#): Lesson plan about historical treaties and current fishing rights and tribal salmon management work

## Ecosystems & Ecology



LLTK: Puget Sound Food Web (3-6) [English](#) and [Spanish](#): Lesson plan and activity for learning about food chains and food webs

GLOBE: [Biosphere](#) (3-8) English, Spanish: Activities to observe and measure ecology, phenology, and the effects of human activities on ecosystems

PLT: [Especies invasoras](#) (3-6), Spanish: Worksheet and suggested activities for learning about invasive species

PLT: [Red de vida](#) (4-8), Spanish: Lesson plan about food chains and food webs

PLT: [Ayer y hoy](#) (4-8), Spanish: Activity for students to learn about local history and development

Wetlands Live: [Humedal en una botella](#) (3-6), Spanish: Activity that models how wetlands act as natural filters

Wetlands Live: Sensational Wetlands (4-8), [English](#) and [Spanish](#): Activity to introduce students to the characteristics of a wetland

Wetlands Live: Wetland Bamboozle (4-8), [English](#) and [Spanish](#): Lesson plan for teaching about different types of wetlands

WWF: Biodiversity (6-8), [English](#) and [Spanish](#): Multidisciplinary lesson plans and activities about world biodiversity

## Food, Gardens, & Soils



PEI: Food Waste (6-8) [English](#) and [Spanish](#): Lesson plans and activities about the effects of food waste and solutions to reduce waste

WWF: Food Waste Warriors (K-8) [English](#) and [Spanish](#): Lessons, activities, and resources for learning about food waste

GLOBE: [Pedosphere](#) (2-8) English, Spanish: Activities for learning about soil morphology and properties

# 7th Grade

## Oceans



NOAA: Saving the Southern Resident Killer Whales (6-8) [English](#) and [Spanish](#): A project-based learning unit about the threats facing local orcas and the actions people can take to help them

NOAA: [An Educator's Guide to Marine Debris](#) (K-8) English, Spanish: Lesson plans for teaching about trash and pollution



LLTK: Marine Science Careers (4-8) [English](#) and [Spanish](#): Reading and worksheet for investigating different careers

Nat Geo: Ocean Exploration (3-8) [English](#) and [Spanish](#): Lesson plan and suggested activities for learning about ocean exploration

Nat Geo: Mapping Marine Ecosystems (3-8) [English](#) and [Spanish](#): Lesson plan and activities for learning about different marine ecosystems

Nat Geo: Protect the Blue: Marine Protected Areas (3-8) [English](#) and [Spanish](#): Lesson plan and data visualization activity focusing on the importance of Marine Protected Areas (MPAs)

Nat Geo: Exploring Oceans (4-8) [English](#) and [Spanish](#): Suggested activities using Google Earth and Pristine Seas Project data

Nat Geo: Under the Sea (6-8) [English](#) and [Spanish](#): Lesson plan for teaching about trophic levels and the effects of plastic pollution

## Water

GLOBE: [Hydrosphere](#) (2-8) English, Spanish: Activities to learn about water quality, conducting testing, and gathering data

Project WET: [From Design to Data: Water Quality Monitoring](#) (6-8) English, Spanish: Lesson plan for teaching about water quality monitoring goals and practices

Project WET: [Water Quality Indicators: Biological, Chemical, & Physical](#) Parameters (6-8) English, Spanish: Lesson plan and activities for teaching about water quality parameters

Project WET: [Cumulative Impacts in a Watershed](#) (6-8) English, Spanish: Lesson plan and activities for teaching about the effects of pollution and poor water quality

Project WET: [Graphic Data & Analyzing Trends in Water Quality](#) (6-8) English, Spanish: Lesson plan for teaching about watersheds and how to interpret datasets

## Salmon



Environmental Science Center: [Virtual Salmon Heroes](#) (4-8) English and Spanish: Videos and activities about water quality, salmon anatomy, and stormwater



LLTK: Survive the Sound Journal (4-8) [English](#) and [Spanish](#): Journal activity to accompany the "Survive the Sound" interactive game each May



LLTK: Tribal Treaty Rights (4-8) [English](#) and [Spanish](#): Lesson plan about historical treaties and current fishing rights and tribal salmon management work



Since Time Immemorial: [Contemporary Washington State — The Boldt Decision: 40 Years](#) Later (7) English, Spanish: Unit of lesson plans for teaching about tribal fishing rights and contemporary conservation work

## Ecosystems & Ecology

Nat Geo: Preserving Critical Species: Inquiry to Action (7-8) [English](#) and [Spanish](#): Lesson plan for teaching students how to develop thoughtful research questions, focusing on endangered species

GLOBE: [Biosphere](#) (3-8) English, Spanish: Activities to observe and measure ecology, phenology, and the effects of human activities on ecosystems

PLT: [Red de vida](#) (4-8), Spanish: Lesson plan about food chains and food webs

PLT: [Ayer y hoy](#) (4-8), Spanish: Activity for students to learn about local history and development

Wetlands Live: Sensational Wetlands (4-8), [English](#) and [Spanish](#): Activity to introduce students to the characteristics of a wetland

Wetlands Live: Wetland Bamboozle (4-8), [English](#) and [Spanish](#): Lesson plan for teaching about different types of wetlands

WWF: Biodiversity (6-8), [English](#) and [Spanish](#): Multidisciplinary lesson plans and activities about world biodiversity

## Plants & Forests

PLT: [Semillas viajeras](#) (K-8), Spanish: Worksheet and suggested activities for learning about seed transportation

PLT: [Teaching with i-Tree](#) (6-8) English and Spanish: Unit of lesson plans exploring the ecosystem services of trees using the free i-Tree software

Smithsonian Gardens: [Pollination Investigation](#) (3-8) English, with student materials in Spanish: Resources for field investigations of pollinators

PEI: Forest Management (6-8) [English](#) and [Spanish](#): Lesson plans and activities for teaching about wildfires and forest management




## Climate

GLOBE: [Atmosphere](#) (K-8) English, Spanish: Set of activities observing and measuring atmospheric conditions

GLOBE: [Earth as a System](#) (K-8) English, Spanish: Activities to learn about global systems, climate change, and phenology

USDA Climate Hub: [Climate Change and the Water Cycle](#) (6-12) English, Spanish: Unit of activities focusing on the effects of climate change

## Food, Gardens, & Soils

 PEI: Food Waste (6-8) [English](#) and [Spanish](#): Lesson plans and activities about the effects of food waste and solutions to reduce waste

WWF: Food Waste Warriors (K-8) [English](#) and [Spanish](#): Lessons, activities, and resources for learning about food waste

GLOBE: [Pedosphere](#) (2-8) English, Spanish: Activities for learning about soil morphology and properties

# 8th Grade

## Water

GLOBE: [Hydrosphere](#) (2-8) English, Spanish: Activities to learn about water quality, conducting testing, and gathering data

Project WET: [From Design to Data: Water Quality Monitoring](#) (6-8) English, Spanish: Lesson plan for teaching about water quality monitoring goals and practices

Project WET: [Water Quality Indicators: Biological, Chemical, & Physical](#) Parameters (6-8) English, Spanish: Lesson plan and activities for teaching about water quality parameters

Project WET: [Cumulative Impacts in a Watershed](#) (6-8) English, Spanish: Lesson plan and activities for teaching about the effects of pollution and poor water quality

Project WET: [Graphic Data & Analyzing Trends in Water Quality](#) (6-8) English, Spanish: Lesson plan for teaching about watersheds and how to interpret datasets

## Salmon



Environmental Science Center: [Virtual Salmon Heroes](#) (4-8) English and Spanish: Videos and activities about water quality, salmon anatomy, and stormwater



LLTK: Survive the Sound Journal (4-8) [English](#) and [Spanish](#): Journal activity to accompany the "Survive the Sound" interactive game each May



LLTK: Tribal Treaty Rights (4-8) [English](#) and [Spanish](#): Lesson plan about historical treaties and current fishing rights and tribal salmon management work



## Oceans



NOAA: Saving the Southern Resident Killer Whales (6-8) [English](#) and [Spanish](#): A project-based learning unit about the threats facing local orcas and the actions people can take to help them

NOAA: [An Educator's Guide to Marine Debris](#) (K-8) English, Spanish: Lesson plans for teaching about trash and pollution



LLTK: Marine Science Careers (4-8) [English](#) and [Spanish](#): Reading and worksheet for investigating different careers

Nat Geo: Ocean Exploration (3-8) [English](#) and [Spanish](#): Lesson plan and suggested activities for learning about ocean exploration

Nat Geo: Mapping Marine Ecosystems (3-8) [English](#) and [Spanish](#): Lesson plan and activities for learning about different marine ecosystems

Nat Geo: Protect the Blue: Marine Protected Areas (3-8) [English](#) and [Spanish](#): Lesson plan and data visualization activity focusing on the importance of Marine Protected Areas (MPAs)

Nat Geo: Exploring Oceans (4-8) [English](#) and [Spanish](#): Suggested activities using Google Earth and Pristine Seas Project data

Nat Geo: Under the Sea (6-8) [English](#) and [Spanish](#): Lesson plan for teaching about trophic levels and the effects of plastic pollution

## Plants & Forests

PLT: [Semillas viajeras](#) (K-8), Spanish: Worksheet and suggested activities for learning about seed transportation

PLT: [Teaching with i-Tree](#) (6-8) English and Spanish: Unit of lesson plans exploring the ecosystem services of trees using the free i-Tree software

Smithsonian Gardens: [Pollination Investigation](#) (3-8) English, with student materials in Spanish: Resources for field investigations of pollinators



PEI: Forest Management (6-8) [English](#) and [Spanish](#): Lesson plans and activities for teaching about wildfires and forest management

## Ecosystems & Ecology

Nat Geo: Preserving Critical Species: Inquiry to Action (7-8) [English](#) and [Spanish](#): Lesson plan for teaching students how to develop thoughtful research questions, focusing on endangered species

GLOBE: [Biosphere](#) (3-8) English, Spanish: Activities to observe and measure ecology, phenology, and the effects of human activities on ecosystems

PLT: [Red de vida](#) (4-8), Spanish: Lesson plan about food chains and food webs

PLT: [Ayer y hoy](#) (4-8), Spanish: Activity for students to learn about local history and development

Wetlands Live: Sensational Wetlands (4-8), [English](#) and [Spanish](#): Activity to introduce students to the characteristics of a wetland

Wetlands Live: Wetland Bamboozle (4-8), [English](#) and [Spanish](#): Lesson plan for teaching about different types of wetlands

WWF: Biodiversity (6-8), [English](#) and [Spanish](#): Multidisciplinary lesson plans and activities about world biodiversity

## Climate

GLOBE: [Atmosphere](#) (K-8) English, Spanish: Set of activities observing and measuring atmospheric conditions

GLOBE: [Earth as a System](#) (K-8) English, Spanish: Activities to learn about global systems, climate change, and phenology

USDA Climate Hub: [Climate Change and the Water Cycle](#) (6-12) English, Spanish: Unit of activities focusing on the effects of climate change

## Food, Gardens, & Soils



PEI: Food Waste (6-8) [English](#) and [Spanish](#): Lesson plans and activities about the effects of food waste and solutions to reduce waste

WWF: Food Waste Warriors (K-8) [English](#) and [Spanish](#): Lessons, activities, and resources for learning about food waste

GLOBE: [Pedosphere](#) (2-8) English, Spanish: Activities for learning about soil morphology and properties