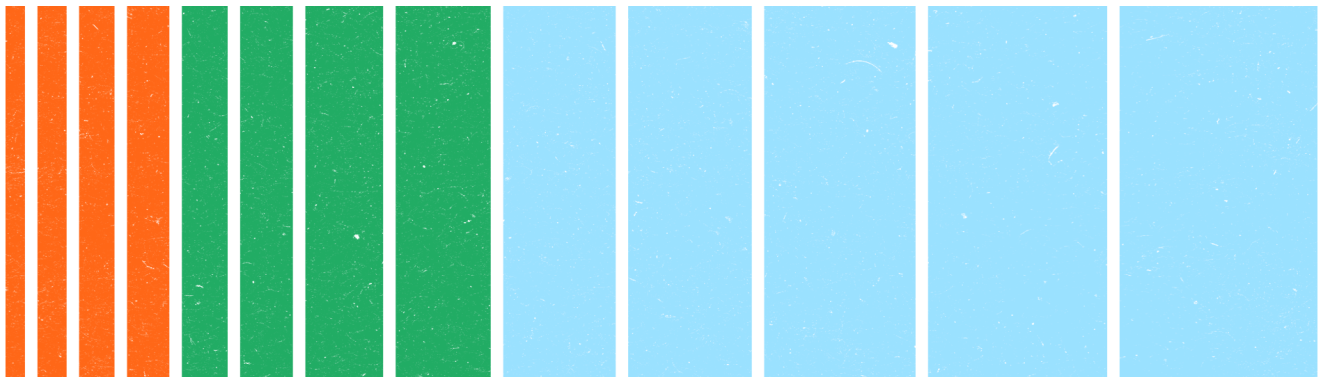


Alaska Based Lessons



Alaska-Based Lessons and Resources

The following list is intended to support teachers looking for Alaska-specific supplementary lessons and resources. Teachers should review the [Alaska Science Standards](#), contact their districts curriculum office, and locate their districts approved curriculum as they consider what resources to utilize.

Alaska Department of Fish and Game

The Department of Fish and Game has many kits and lesson plans teachers can access on their sites. They also have additional

Alaska Department of Fish and Game

resources such as magazine sets and podcasts that may connect to your current curriculum to provide supplemental support.

- ☐ [Main Education Programs Page](#)
- ☐ [eLearning modules: Beaks of AK and Horned Animals](#)
- ☐ [Curriculum Sets](#)
- ☐ [Teaching Kits](#) Can be mailed!
- ☐ [Wild Wonders Magazine Sets](#)
- ☐ [Local Contact List](#)
- ☐ [Wildlife Notebook Series](#): Information pages for Alaskan Animals (grades 5+). Great for Research Projects!
- ☐ [Sounds Wild](#): Podcast providing unique information about Alaskan animals. Great for research projects!
- ☐ [Working for Wildlife](#): Short videos on about ongoing research projects
- ☐ Species Profiles: Great for research projects
- ☐ [Alaska Fish and Wildlife Newsletter and 'Ask a Wildlife Biologist'](#)

REAP : Renewable Energy Alaska Project

Renewable Energy Alaska Project has a multitude of resources centering on energy education. Provide resources to educators such as training, activity supplies, lending kits, classroom visits, intensive unit planning, camp activities, guest speaker connections, and more.

- ☐ [AK Energy Smart Lessons](#)
- ☐ [Outreach and Kits](#)

AK STEAM Newsletter

A collaborative quarterly newsletter that provides Alaska and Arctic-focused opportunities and resources for educators in science, technology, engineering, arts and math (STEAM). This is a service of the NNA-Community Office and University of Alaska Fairbanks International Arctic Research Center in partnership with the Alaska Science Teachers Association.

- ☐ [Past Newsletters](#)
- ☐ [Sign up for Newsletters](#)

Alaska Resource Education

Provides lessons on forestry, mining, oil, gas, and more. They also provide teacher professional development opportunities, classroom visits, guest speaker connections, and STEM camps.

- ☐ [Lessons](#)
- ☐ [Teacher Continuing Education](#)

NOAA: National Oceanic Atmospheric Administration

- ☐ [NOAA LIVE! Alaska](#) Recorded Webinars from 2020-2025. Webinars also have links to information and resources pertaining to that topic
- ☐ [Lessons](#) on Fur Seals, seaweed, and Killer Whales
- ☐ [Curriculum on Salmon Life Cycle](#)
- ☐ [NOAA in your backyard, Local Contact List](#)

ASTA: Alaska Science Teachers Association

This Alaska nonprofit's goal is to inspire, promote and support excellence in science education. They provide teaching resources, such as phenomenon lists, and list other Alaskan-specific

ASTA: Alaska Science Teachers Association

organizations that focus on science education. Mini grants for classrooms and professional development opportunities.

- ☐ [Alaska specific Phenomenon](#)
- ☐ [Alaskan Organizations with Science Specific Resources](#)

Alaska Sea Grant and Alaska's Waters

University of Alaska Fairbanks based Alaska Sea Grant provides Alaska-relevant, place-based lesson plans as well as information about state-wide marine-based student competitions.

- ☐ [Lessons](#)
- ☐ [Alaska Tsunami Ocean Science Bowl](#)

Alaska State Museum: Sheldon Jackson

The Alaska State Library, Archives, and Museums provides the chance to learn interactively by borrowing items from the Hands-On collection, a special collection apart from the State of Alaska's permanent collections. The program is free (except for the cost of return shipping) and is open to all Alaska based teachers, students, librarians, home schoolers, and museums.

Alaska State Museum: Sheldon Jackson

- ☐ [Hands-On Loan Program](#)

USGS Earthquake Monitoring and Alaska Volcano Observatory

Although no curriculum resources both these sites

- ☐ [USGS Earthquake Monitoring Education Resources Page](#)
- ☐ [USGS Earthquake Live Page](#)
- ☐ [Alaska Volcano Observatory](#)

Alaska Natural Resource & Outdoor Education

Fire education in Alaska resources.

- ☐ [ANROE fire education resources](#) and [other useful resources](#)
- ☐ [Role of Fire in Alaska](#) from USFWS
- ☐ [K-12 Wildfire and Change in Alaska videos by Alaska EPSCoR](#) on youtube
- ☐ [Wildfire and Change in Alaska Curriculum by Alaska NSF EPSCoR](#) (Grades 3-5)

Data Nuggets

An open resource where students, using data collected from scientists, identify hypotheses, make predictions, visualizing and interpreting data, supporting claims using data as evidence, and asking their own questions for future research. Data Nuggets can be used throughout the school year and across grades K-12, as students grow in their quantitative abilities and gain confidence and have several levels of guiding worksheets for differentiation. Several Alaskan data sets on Canadian Geese, Urchins, Benthic Bubbles, Arctic watersheds, Humpback whales, Trumpeter Swans tundra plants, and the carbon cycle are available.

☐ [Data Nuggets](#)

UAF Geophysical Institute Science Education Resource Bank

Lessons and videos from around Alaska or on Alaska-specific topics for multiple grade levels, connected with NGSS and Alaska Science Standards.

☐ [Cultural Connections Project](#): Multiple new resources coming in 2025/2026 for high school. These materials include elder videos, hands-on lessons, and assessments. Each of these resources has been co-created with community teams to focus on a specific Alaska phenomenon, incorporate Alaska Native Languages, and Cultural Standards.

UAF Geophysical Institute Science Education Resource Bank

- ☐ [UAF Curricula, lessons, and videos archive](#): This is an archive of lessons and multimedia resources created with scientists at the University of Alaska Fairbanks' Geophysical Institute. Lessons cover aurora, climate/weather, earthquakes, permafrost, glaciers, volcanoes, and other geoscience topics. Lesson plans include standards alignment (from the date each lesson was created), step-by-step instructions, and worksheets. Some lessons include online video resources and/or Alaskan/Hawaiian cultural content.

Alaska Berry Futures

Alaska Berry Futures strives to provide current knowledge about northern berry species, expose gaps in our knowledge and inform Alaskans about how we can plan for changing berry resources.

- ☐ [Main Page](#)
- ☐ [Berry Booklets](#)