
Resources for Teachers

Barbie Selby

UVA Law Library

bselby@virginia.edu



State Agencies

- Education departments
- Museums
- Legislatures
- Agriculture departments
- Travel & tourism departments
- Universities
- State libraries



URLs for *Resources for Teachers*

- <http://www.vla.org/PDF/Programs/Grundweb.htm>

OR

- <http://www.vla.org>
 - Organisation
 - Forums
 - Public Documents Forum



newsletter. The *Shipping List* has always been regarded as a highly informative newsletter for government information professionals and will continue its high standards in the brave new world of electronic publications.

[PDF Officers](#)

- [VLA Shipping List \(February 2002\)](#)
- [VLA Shipping List \(November 2001\)](#)
- [VLA Shipping List \(August 2001\)](#)
- [VLA Shipping List \(May 2001\)](#)
- [VLA Shipping List \(February 2001\)](#)
- [VLA Shipping List \(August 2000\)](#)
- [VLA Shipping List \(May 2000\)](#)
- [VLA Shipping List \(February 2000\)](#)
- [VLA Shipping List \(November 1999\)](#)
- [VLA Shipping List \(July 1999\)](#)
- [VLA Shipping List \(April 1999\)](#)
- [Summer GODORT ALA Report, by Susan Tulis](#)

Virtual Depository Library Program

- [WebSites for a Virtual Depository Library \(PDF\)](#)
- [WebSites for a Virtual Depository Library \(HTML\)](#)

Upcoming PDF Programs

5/1/2002 [Understanding Federal Census Statistics](#) (Sorry, this Workshop is FULL)

Past PDF Programs

- [April 6, 2002 "Resources for Teachers" to be held at the Buchanan Public Library in Grundy](#)
- [April 6, 2002 Exercises for "Resources for Teachers"](#)
- [August 3, 2001 Documents Sampler Workshop](#)

Last Updated : April 15, 2002



Membership Info

What's New

Calendar

Organization

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- [Committees](#)
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- [Sections](#)
- [Regions](#)
- [Awards \(PDF\)](#)
- [Manual](#)

For Members

Publications

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Public Documents Forum

Resources for Teachers

Selected Government Web Sites

[Civics](#) || [Science](#) || [History](#) || [Math](#) || [Geography](#) || [Computer Skills](#) || [Business](#) ||
[Visual Arts](#) || [Health](#) || [Language](#) || [Virginia](#) || [Other States](#) || [General Resources](#)

Civics

SOL - Civics

- [Ben's Guide to U.S. Government for Kids - http://bensguide.gpo.gov/](http://bensguide.gpo.gov/)
Something for everyone, including adults, interested in learning more about our government.
 - [Symbols of the U.S. Government](#) - Grades K-2 - Virginia Civics SOL 1.11
 - [State versus National Government](#) - Grades 3-5 - Virginia History & Social Science SOL - Govt.5(a)
 - [Branches of Government](#) - Grades 6-8 - Virginia History & Social Science SOL - Govt. 7(a)
- [U. S. Government Web Sites for Kids - http://bensguide.gpo.gov/subject.html](http://bensguide.gpo.gov/subject.html)
Ben's Guide by subject arrangement.
- [FirstGov for Kids - http://www.kids.gov](http://www.kids.gov)
- [LSU's Agency List - http://www.lib.lsu.edu/gov/fedgov.html](http://www.lib.lsu.edu/gov/fedgov.html)
Even GPOAccess points to this agency list!
- [Google Uncle Sam - http://www.google.com/unclesam](http://www.google.com/unclesam)
- U.S. Laws & Legislation
 - [House of Representatives](#)
 - [Senate](#)
 - [Thomas - http://thomas.loc.gov/](http://thomas.loc.gov/)
 - [GPOAccess - http://www.access.gpo.gov/su_docs/index.html](http://www.access.gpo.gov/su_docs/index.html)
 - [GPO Browse Topics - http://library.ucok.edu/gov/browsetopics/conginfo.html](http://library.ucok.edu/gov/browsetopics/conginfo.html)
Topic for Congressional Information.

- **Virginia Laws & Legislation**

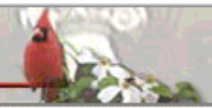
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- [FirstGov for Kids - http://www.kids.gov](http://www.kids.gov)
- [LSU's Agency List - http://www.lib.lsu.edu/gov/fedgov.html](http://www.lib.lsu.edu/gov/fedgov.html)
 Even GPOAccess points to this agency list!
- [Google Uncle Sam - http://www.google.com/unclesam](http://www.google.com/unclesam)
- U.S. Laws & Legislation
 - [House of Representatives](#)
 - [Senate](#)
 - [Thomas - http://thomas.loc.gov/](http://thomas.loc.gov/)
 - [GPOAccess - http://www.access.gpo.gov/su_docs/index.html](http://www.access.gpo.gov/su_docs/index.html)
 - [GPO Browse Topics - http://library.ucok.edu/gov/browsetopics/conginfo.html](http://library.ucok.edu/gov/browsetopics/conginfo.html)
 Topic for Congressional Information.
- **Virginia Laws & Legislation**
 - [Virginia General Assembly - http://legis.state.va.us/](http://legis.state.va.us/)
 - [Citizen's Guide to Virginia Government - http://legis.state.va.us/CitizensGuide/CitizensGuide.htm](http://legis.state.va.us/CitizensGuide/CitizensGuide.htm)
 - [Capitol Classroom - http://legis.state.va.us/CapitolClassroom/CapitolClassroom.htm](http://legis.state.va.us/CapitolClassroom/CapitolClassroom.htm)
 This is a great site for learning about Virginia's government. Teacher's Resources include sample lesson plans.
- **Other States**
 - [Lawmaking in Massachusetts - http://www.state.ma.us/legis/lawmkng.htm](http://www.state.ma.us/legis/lawmkng.htm)
 - [Massachusetts Interactive Statehouse - http://www.state.ma.us/statehouse/](http://www.state.ma.us/statehouse/)
 - [Florida's "Just for Kids" page - http://www.leg.state.fl.us/kids/home.html](http://www.leg.state.fl.us/kids/home.html)
 Sections include *Capitol History*, *Games and Puzzles*, *Your Legislature*, and *State Symbols*.
 - [Minnesota's North Star Kids' Zone - http://www.kids.state.mn.us/](http://www.kids.state.mn.us/)
 Probably not the most appealing site visually for kids, but links to some nice sites. Especially nice are the links to various [Minnesota state government](#)



Virginia General Assembly



[Home](#) [Citizen's Guide](#) [Visitor's Center](#) [Links](#) **Capitol Classroom** [Site Information](#) [Who's My Legislator](#)

At the Capitol

- [Meetings](#)
- [Tour the Capitol](#)
- [Special Events](#)
- [Legislative Studies](#)

Senate

- [Senators](#)
- [Committees](#)
- [Daily Floor Minutes](#)

House of Delegates

- [Delegates](#)
- [Committees](#)
- [Daily Floor Minutes](#)

Other Legislative Sites

- [Virginia Legislative Branch](#)
- [Legislative Organizations](#)



- [Activities](#)
- [Printables and Publications](#)
- [Teacher Resources](#)
- [Links of Interest](#)
- [Student Programs](#)



Bills and Resolutions

Enter a bill number

*examples: hb 1, sj2, hr**

- [Full Text Search](#)
- [Categorized Lists](#)

Legislative Information System

- [Current and Past Sessions](#)
- [Daily Floor Calendars](#)
- [Lobbyist-in-a-Box](#)
- [Session Dates and Times](#)
- [State Budget](#)

Statutes and Regulations







- [Code of Virginia](#)
- [Virginia Administrative Code](#)



Teacher Resources

A General Assembly Guide to Teaching Virginia's Legislative Process

Virginia General Assembly Unit

-  Introduction
-  The House and Senate
-  Branches of Government
-  How a Bill becomes a Law
-  People, Places, and Things
-  Geography



Trip Planner

Printables and Publications

Student Programs

Give Us Your Feedback

[Home](#) [K-5](#) [6-8](#) [9-12](#) [Printables](#) [Programs](#) [Links](#) [Teachers](#) [General Assembly Home](#)



How a Bill Becomes a Law

A Delegate or Senator has an idea for a bill, usually from a constituent. He or she presents the idea to the Division of Legislative Services and requests that it be drafted into a bill. The bill is signed by the patron (the Delegate or Senator who had the bill introduced), introduced, and printed.

The bill is referred to the appropriate committee. The members of the committee consider the bill and decide what action to take. This is when the public may speak.

First Reading: The bill title is printed in the Calendar on its first reading or is read by the Clerk, and the bill advances to second reading.

Second Reading: The next day the bill title appears in the printed Calendar on second reading. Bills are considered in the order in which they appear on the Calendar. The Clerk reads the title of the bill a second time. A bill on second reading is amendable and is debatable. A bill that has passed second reading with or without an amendment is engrossed. If an amendment is adopted, the bill is reprinted in its final form for passage.

Third Reading: The next day, the engrossed bill title appears in the Calendar on third reading. The title is read a third time by the Clerk. By recorded vote, the bill is passed.

Communication: When passed, the bill is sent to the other body, either by the Clerk in a communication or by a member in person, informing the other body that the bill has passed.

In the other body: The bill goes through essentially the same procedure as it did in the house of origin. The bill title is printed in the Calendar or is read by the Clerk. The bill is referred to a standing committee, considered, and reported by the committee. The title is read a second and a third time before passage. Committee of Conference: If the House amends a Senate bill, or the Senate amends a House bill, and the house of origin disagrees with the amendment, a conference committee, usually three members from each legislative body, may be formed to resolve differences.

Enrollment: After being passed by both houses of the General Assembly, the bill is printed as an enrolled bill, examined, and signed by the presiding officer of each chamber.

Governor: The bill is then sent to the Governor for his approval. After being signed by the Governor, the bill is sent to the Clerk of the House (Keeper of the Rolls of the Commonwealth) and is assigned a chapter number. All chapters of a session are compiled and bound as the Acts of Assembly. Bills that become law at a regular session (or the reconvened session that follows) are effective the first day of July following adjournment of the regular session, unless otherwise specified.

Branches of Government Activities

Adaptable to Grades K-5

Objectives:

Students will describe the duties of each branch of Government and who manages each branch.

Materials:

Printouts of various branches of government

Pen/pencil

Research books

Groupings:

Three groups

Sample:



Branches of Government:

Judicial

Virginia Supreme Court Building



Executive

Governor's Mansion



Legislative

State Capitol



History

- [State Department - http://www.state.gov](http://www.state.gov)

From [State's Kid's Page](#) go to [Social Studies](#) and explore the historical links, especially the [Timeline of U.S. Diplomatic History](#).

- [Library of Congress American Memory Project - http://memory.loc.gov/](http://memory.loc.gov/)

[America's Story](#) lets you see what happened in American history on your birthday, find out about famous Americans, read about the states, and more.

- [The Collection Finder](#) allows you to access collections directly or to search within collections.
- [The Learning Page](#) includes student activities and resources for educators. The [Self Serve Workshops](#) allows a classroom teacher to use a prepared LC workshop. Topics include history, technology, and research skills.

- [Smithsonian National Museum of American History - http://americanhistory.si.edu/](http://americanhistory.si.edu/)

The [Not Just for Kids](#) page has come interesting exhibits, including an online science experiment!

- **Virginia**

- [Virginia History Resources on the Internet - http://www.lva.lib.va.us/pubserv/reference/vahifindex.htm](http://www.lva.lib.va.us/pubserv/reference/vahifindex.htm)

The Library of Virginia provides links to many great Virginia historical sites. For instance, [Virginia TimeTravelers](#) is a program which promotes visits to Virginia museums and historic places. Students can earn a tee-shirt!

- [Virginia Pathways - http://www.vastudies.org/](http://www.vastudies.org/)

The Virginia History Production Consortium built this site with the fourth grade History SOLs in mind.

- [The Jamestown-Yorktown Foundation - http://www.jamestown-yorktown.state.va.us/](http://www.jamestown-yorktown.state.va.us/)

This state agency offers educational programs, both on site and via their [Programs in the Classroom](#) series.

- **Other States**

- [The New Mexico Office of Cultural Affairs - http://www.nmoca.org/](http://www.nmoca.org/) has audio clips on interesting or important events in New Mexico's history on its Web site.

- [The State Historical Society of Iowa - http://www.iowahistory.org/](http://www.iowahistory.org/) is a division of the Dept. of Cultural Affairs.

[This Month in Iowa History](#) and a section called [Iowa Fun Facts](#) (under development) are among the offerings.

- [The Delaware Tourism Office - http://www.visitdelaware.net/](http://www.visitdelaware.net/) includes a [Kids' Corner](#) which gives kid centered attractions, and a [fun facts](#) section.

Math

- [Department of Agriculture Kid's Page - http://www.usda.gov/news/usdakids/index.html](http://www.usda.gov/news/usdakids/index.html)

The USDA's Kids Page connects to a number of fun activities, including [Stanley Statistics](#) which in turn connects to [Ag for Teachers](#).

- [FedStats - http://www.fedstats.gov/](http://www.fedstats.gov/)

OCA


New Mexico
Office of Cultural Affairs

[About OCA](#) [OCA History](#) [Director's Message](#) [Contact Us](#)

Celebrating New Mexico

Welcome to the Office of Cultural Affairs. We are proud to lead in the preservation and celebration of our state's outstanding cultural treasures. In addition to overseeing the most ambitious state museum system in the nation, our OCA family includes statewide arts and historic preservation programs, as well as the New Mexico State Library.

There's no better — or more entertaining — way to get to know New Mexico than to visit our world-class cultural attractions. From dinosaurs to Spanish conquistadors, rocket sleds to ancient pottery, Billy the Kid to fine art masterpieces...the road to discovering New Mexico leads through our museums, monuments and cultural programming. Let us introduce you.

Visit a Museum or Monument 

Museums &
Monuments

New Mexico
Arts

Historic
Preservation

State Library

Cuarto
Centenario

Contact Us

Homepage

Moments
of
Enchantment
Audio



Listen to legends and
living dramas from New
Mexico's exciting past!



**New Mexico Treasures
2003 Engagement
Calendar**

Stunning photography,
intriguing events in desk
calendar format

Order Now!

Featured Event:



Classical Piano Concert by Ricardo Requejo at the Hispanic Cultural Center on Friday, Sept. 13

Ricardo Requejo piano concert at 8:00pm in the Salon Ortega. Cervantes Institute.
[National Hispanic Cultural Center](#)

OCA

New Mexico
Office of Cultural Affairs

Listen to New Mexico — legends and living dramas from New Mexico's past.

To listen to the following audio clips you will need RealPlayer or Windows Media Player. You can download free versions of these players by clicking these icons:



Museums & Monuments

New Mexico Arts

Historic Preservation

State Library

Cuarto Centenario

Contact Us

Homepage

Santa Fe Trail



Time : 2 min. 22 sec.

▶ [Real Audio \(1,614K\)](#)

▶ [Windows Media \(369K\)](#)

▶ [Read Transcript](#)

Butterfield Trail



Time : 2 min. 38 sec.

▶ [Real Audio \(1,770K\)](#)

▶ [Windows Media \(437K\)](#)

▶ [Read Transcript](#)

Amelia Earhart in Hobbs



Time : 2 min. 48 sec.

▶ [Real Audio \(1,892K\)](#)

▶ [Windows Media \(437K\)](#)

▶ [Read Transcript](#)

Kokopelli



Time : 2 min. 38 sec.

▶ [Real Audio \(1,792K\)](#)

▶ [Windows Media \(411K\)](#)

▶ [Read Transcript](#)

OCA

New Mexico
Office of Cultural Affairs

Kokopelli

Moments
of
Enchantment
Audio

Museums &
Monuments

New Mexico
Arts

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Preservation

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Cuarto
Centenario

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Homepage

Picture the humpbacked flute player, his melodies wafting over prehistoric villages as he shows off his wares -- melons, corn, seeds, and squash.

More in a moment . . .

Kokopelli is the Hopi name for one of the ancient Southwest's most common symbols. The humpbacked flute player appears on rocks and pottery from the Anasazi, Hohokam, and Mogollon cultures. It is perhaps the oldest of the Southwest's human images, with some petroglyphs dated as early as 300 A.D.

Who was this little fellow? What did he represent to the people of his day? Musician? Itinerant Merchant? Fertility god? Archaeologists still struggle to unravel these mysteries.

Some say Kokopelli's humped back isn't a physical deformity, but symbolic of a backpack full of seeds, fruits and other wares for sale or trade. Others say the hump represents reproductive fecundity, holding babies until they can be passed along to expectant mothers. Kokopelli's reputation of sexual prowess is hard to ignore. In some cases, including petroglyphs from the Galisteo basin, Kokopelli actually makes love to waiting maidens.

Seed sowing, rainfall and agricultural success often are associated with Kokopelli, giving credence to the claim he is a fertility god. Sometimes he appears with long, animal-like ears, playing his flute for the amusement of beasts, giving rise to another theory that he is a god of hunters.

Kokopelli's image appears throughout the San Juan region of northwestern New Mexico, among the Bandelier ruins near Santa Fe and even in the recently abandoned Pecos Pueblo. Other humpbacked flute players have been found as far south as Durango, Mexico.

For more information about Kokopelli and other archaeological mysteries, visit the Museum of Indian Arts and Culture in Santa Fe.



Science**SOL - Resources**

- [Environmental Protection Agency - http://www.epa.gov](http://www.epa.gov)
EPA does a good job of including educational materials and entertaining exercises on its web site.
 - [Educational Resources](#) links to [teacher resources](#), [kids activities](#), and [student activities](#) including environmental club activities.
- [National Institute of Environmental Sciences - http://www.niehs.nih.gov](http://www.niehs.nih.gov)
[The NIEHS K-12 Initiatives](#) and its [kid's pages](#) contain both resources for kids and for teachers, including information and applications for special training programs.
- [Dept. of Labor - Mine Safety and Health Administration - http://www.msha.gov/](http://www.msha.gov/)
The [Kid's Page](#) of this agency contains lots of information on working in mines, safety issues concerning mines, etc.
[The Little Miners](#) online exhibit is a poignant look at the role children played in mining.
- [Department of Energy - http://www.energy.gov](http://www.energy.gov)
The [School](#) section of the DOE web site contains some pretty technical information, but some sections would be adaptable for classroom use.
 - [Teachers' Lounge](#), and within that the [Classroom Connection](#)
 - [DOE's KidzZone](#) has lots of fun projects, games, and exercises. You might or might not want to show your students how to make a [solar pizza box oven!](#)
 - Within the DOE the [Energy Efficiency and Renewable Energy Network \(EREN\)](#) has a good [Kid's Page](#). Be sure to check out the cursor!
- [NASA's SpaceKids Page - http://spacekids.hq.nasa.gov/](http://spacekids.hq.nasa.gov/)
In addition to being able to [send your name to Mars](#), there are good activities on the [Education Page](#).
- [Patent and Trademark Office - http://www.uspto.gov](http://www.uspto.gov)
 - The patent [search page](#) allows you to search by inventor, patent number, type of invention, etc.
 - The Patent Office also has a very good [Kid's Page](#) with fun games and puzzles. Their [links](#) to other kids pages are also very good.
- [FirstGov for Science - http://www.science.gov](http://www.science.gov)
While not a kids or education site, this site gathers together many government scientific sites.

- **Virginia**
 - [Virginia Dept. of Mines, Minerals, and Energy - http://www.mme.state.va.us/](http://www.mme.state.va.us/)
The [Division of Mineral Resources](#) has a link to [information for Teachers and Students](#) which describes some of their publications and educational workbooks.
 - [Kid's Cave - http://www.deq.state.va.us/kids/](http://www.deq.state.va.us/kids/)
From the Virginia Department of Environmental Quality. The [Figure It Out](#) and [E-Brary Research Area](#) include good information on the environment and what people can do to help. See especially the Wetlands Quiz in the [Figure It Out](#) section. Good section to read, then answer questions about.

- **Other States**
 - [Pennsylvania's Dept. of Conservation and Natural Resources Kids' Page- http://www.dcnr.state.pa.us/kids/hey.htm](http://www.dcnr.state.pa.us/kids/hey.htm) has some good information about state parks.
 - [The Florida Dept. of Agriculture Kids' page - http://www.florida-agriculture.com/kidpower/kidspage.htm](http://www.florida-agriculture.com/kidpower/kidspage.htm) has some very good resources, including [lists of classroom materials](#), a [quiz](#) imparting such knowledge as each of us consumes about 4 football fields worth of agricultural products (food, clothing, etc.) annually.
 - [The Alaska Dept. of Game and Fish - http://www.state.ak.us/local/akpages/FISH_GAME/adfghome.htm](http://www.state.ak.us/local/akpages/FISH_GAME/adfghome.htm) has a wealth of information available. Its [Wildlife Curriculum](#) offers curriculum books geared to Alaska's Content Standards by grade. They also offer workshops to the state's teachers.



Alaska Department of Fish and Game

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[Administration](#)



[Boards Support](#)



[Commercial Fish](#)



[Sport Fish](#)

Overview

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News & Features

- [Statewide Press Releases](#)
- [Steller Sea Lion Issues](#)
- [Southeast Sustainable Salmon Fund](#)
- [Alaska's Salmon Fishery MSC Certified](#)
- [Draft Invasive Species Plan](#) **NEW**
- [Atlantic Salmon, Invasive Threat](#)
- [Wild Rainbow Trout Initiative](#)
- [Taku River Issues](#)
- [Sport Fish News Releases](#)
- [Recipe of the Month](#)
- [Wildlife Video Gallery](#)
- [Photo Gallery](#)



Outreach

- [ADF&G Jobs](#)
- [Becoming an Outdoors-Woman](#)
- [Federal Aid](#)

Publications

- [ADF&G's Wildlife Notebook Series](#)
- [Alaska's Salmon Management](#)
- [Alaska's Commercial Salmon Fishery](#)
- [Alaska Fishery Research Bulletin](#)
- [Alaska's Sustainable Salmon Fisheries Policy \(40KB -PDF\)](#)
- [Atlantic Salmon White Paper](#)
- [Marine Protected Areas: Public Process Recommendations](#) **NEW**



Habitat



Subsistence

Regulations

- [ADF&G Title 5 Regulations](#)
- [Sport Fishing Regulations](#)
- [Sport Fishing Emergency Orders](#)
- [Hunting Regulations](#)
- [Hunting Emergency Orders](#)
- [Commercial Fishing](#)
- [Crewmember License Fee](#)
[Regulation Changes](#) **NEW**
- [CFEC Permit Fee](#)
[Regulation Changes](#) **NEW**
- [Subsistence/Personal Use Fishing](#)
- [Board of Game](#)
- [Board of Fish](#)

Licenses

- [Online License Purchasing](#)
- [General](#)
- [License Fees](#)
- [Hunting Guide Requirements](#)
- [Fishing Guide Requirements](#)
- [Limited Entry Permits](#)
& [Vessel Licenses](#) (CFEC)

Permits

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- [Hunting Permits](#)
- [Online Drawing Permit Application](#)
- [Permit Hunt Results](#)
- [Commercial Fishing](#)
- [Limited Entry Permits](#)
& [Vessel Licenses](#) (CFEC)

Fishing

- [Sport](#)
- [Commercial](#)
- [Subsistence/Personal Use](#)
- [Sport Fishing Emergency Orders](#)
- [Sport Fishing in Alaska Guide](#)
- [Salmon Forecasts](#)
- [Salmon Enhancement & Mariculture](#)

Hunting

- [General Information](#)
- [Hunting Resources](#)
- [Big Game Hunting](#)
- [Hunt Alaska](#)

Education

- [Teachers' Resources](#)
- [Alaska Wildlife Curriculum](#)
- [Just for Kids](#)
- [Project Wild](#)
- [Sport Fishing Student](#)

Handbook-PDF

- [Alaska Flyfishing Mentorship](#)

Program

- [Hunter Education Program](#)

Boards & Commissions

- [Board of Fisheries & Board of Game](#)
- [Commercial Fisheries](#)
Entry Commission (CFEC)



Just for Kids



- Fish Drawings
- Wildlife Photos
- Kid's Genetics Page
- Student Handbook
- Notebook Series
- Related Kid's Links
- Kid's Photo Gallery
- Funtastic Facts
- Endangered Species
- What Am I?



[ADF&G Home Page](#)

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Funtastic Facts About Alaska's Wildlife

What do you know about Alaska's wildlife?
Learn some fun facts about these fascinating animals:



[Wolf](#)



[Mountain Goat](#)



[Dall Sheep](#)



[Brown Bear](#)



[Coyote](#)



[Bison](#)



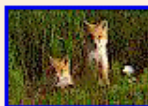
[Moose](#)



[Ground Squirrel](#)



[Beaver](#)



[Red Fox](#)



[Porcupine](#)



[Caribou](#)



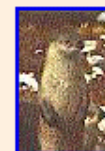
[Black Bear](#)



[Black-tailed Deer](#)



[Muskoxen](#)



[River Otter](#)

Alaska Department of Fish and Game

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Teachers' Resources

The Alaska Department of Fish and Game has a wide variety of resources available to educators throughout our website. This page has been developed to provide a central location for links to educational resources on our site. (You will find that many of these resource web pages are also cross-linked from other pages within our website.)



[Program Participation Survey](#)

(Edit previous survey submission or enter a new one)

GENERAL RESOURCES



- o [Alaska Correlations](#)
Our hands-on activities are rated to the Alaska State Content Standards. Use this resource guide in lesson planning to address the standards.
- o [ADF&G Videos](#)
Describes the content and availability of most of the videos produced by Wildlife and Subsistence Divisions
- o [Alaska Wildlife Notebook Series](#)
Species Descriptions
- o [ARLIS](#)
AK Resource Library & Information Services
- o [Conservation Education Kits](#)
Kits with resources available to educators at ARLIS and Anchorage ADF&G office
([Click here for a list of kits available](#))

MAMMAL RESOURCES



- o [Alaska Wildlife Notebook Series](#)
Species Descriptions
- o [Alaska Wildlife Curriculum](#)
Alaska's Tundra and Wildlife
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FISH

- [Alaska Blackfish](#)
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- [Burbot](#)
- [Chinook Salmon](#)
- [Chum Salmon](#)
- [Coho Salmon](#)
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- [Pacific Halibut](#)
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- [Pink Salmon](#)
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- [Whitefish](#)



SHELLFISH

- [Abalone](#)

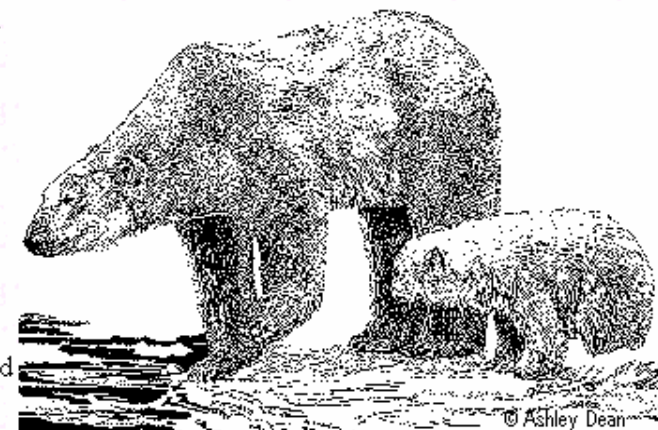
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Polar Bear

Polar bears (*Ursus maritimus*) are of special interest because of their large size, white color and position as the top trophic level carnivore in the remote arctic environment. They occur only in the northern hemisphere nearly always in association with sea ice.

General description: Polar bears and brown bears evolved from a common ancestor and are still closely related, as demonstrated by matings and production of fertile offspring in zoos. Polar bears are similar in size to large brown bears. Adaptions by the polar bear to life on sea ice include a white coat with water repellent guard hairs and dense underfur, short furred snout, short ears, teeth specialized for a carnivorous rather than an omniverous diet, and hair nearly completely covering the bottom of the feet. Cubs weigh between 1 and 2 pounds (0.5-0.9 kg) at birth. An extremely large adult male may weigh 1,500 pounds (680 kg). Most mature males weigh between 600 and 1,200 pounds (273-545 kg), and are between 8 and 10 feet (2.4-3.0 m) in length. Mature females weigh 400 to 700 pounds (182-318 kg).



Life history: Polar bears, other than family groups of females and young, are solitary most of the year. During the breeding season in late March, April and May, males actively seek out females by following their tracks on the sea ice. Bears are polygamous, and the male remains with a receptive female a relatively short time and then seeks another female. Pregnant females seek out denning areas in late October and November. Denning occurs on land and on sea ice. A denning female excavates a depression in the snow under a bank, on a slope, or near rough ice. She enlarges the denning chamber as drifting snow accumulates in depth. Young are born in the den in December. A litter of two is the most common. The female cubs emerge from the den in late March or early April when cubs weigh about 15 pounds (6.8 kg). They make short trips to and from the open den for several days as the cubs become acclimated to outside temperatures. They then start traveling on the drifting sea ice. Young most commonly remain with the mother until they are about 28 months old. Females can breed again at about the same time they separate from their young, so normally they can produce litters every third year. Bears in the wild have been recorded as old as 32 years but most probably do not live beyond 25 years.

Distribution and migration: Polar bears are most abundant near coastlines and the southern edge of the ice, but they can occur throughout the polar basin. They make extensive movements related to the seasonal position of the ice edge. In winter, bears off Alaska commonly occur as far south as St. Lawrence Island and may even reach St. Matthew Island and the Kuskokwim Delta. During the summer, bears occur near the edge of the pack ice in the Chukchi Sea and Arctic Ocean, mostly between 70° and 72° north latitude. Pregnant females concentrate for winter denning on Wrangel Island and other Russian islands, islands in the Canadian arctic, Greenland, and Spitsbergen. Some denning occurs along the north Alaska coast, especially within the Arctic National Wildlife Refuge and on the adjacent sea ice. Mark and recapture studies indicate that there are several populations of polar bears in the polar basin that have relatively little interchange with one another. Off

Computer Skills

- [Google's Uncle Sam - http://www.google.com/unclesam](http://www.google.com/unclesam)
Allows searching across government domain names - .mil .gov .us
- **Other States**
 - [The NC Dept. of Public Instruction - http://www.ncpublicschools.org/curriculum/computer.skills/](http://www.ncpublicschools.org/curriculum/computer.skills/) has posted its Computer Skill curriculum in addition of its other curricula. They have also posted [links to computer skills resources](#) including [computer skills lesson plans](#). ←

Business & Marketing

- [GPO Browse Topics - Business - http://library.ucok.edu/gov/browsetopics/business.html](http://library.ucok.edu/gov/browsetopics/business.html)
- [GPO Browse Topics - Marketing - http://library.ucok.edu/gov/browsetopics/marketing.html](http://library.ucok.edu/gov/browsetopics/marketing.html)
Browse Topics entry for Business and Marketing.
- [U.S. Business Advisor - http://www.business.gov](http://www.business.gov)
- [Patent & Trademark Office - http://www.uspto.gov](http://www.uspto.gov)
THE place to begin patent research.
- **Virginia**
 - [MyVirginia.org Guide to Starting a Business - http://www.myvirginia.org/portal/business/business_starting.htm](http://www.myvirginia.org/portal/business/business_starting.htm)
Links to many good business sites. Probably best for high school juniors and seniors.
 - [Virginia Department of Consumer Services - http://www.vdacs.state.va.us/consumer/index.html](http://www.vdacs.state.va.us/consumer/index.html)
Guides to Virginia made or grown products.
- **Other States**
 - [Maryland's SAILOR Public Information Network - http://www.sailor.lib.md.us/MD_topics/kid/](http://www.sailor.lib.md.us/MD_topics/kid/) has a nice [Homework Help](#) page. Including a lesson plan called [The Marketplace](#) which introduces research in primary and secondary sources, as well as the value of market research when opening a business.
 - [Utah's Division of Travel Development - http://dced.utah.gov/travel/index.html](http://dced.utah.gov/travel/index.html) includes a [marketing plan](#) for Utah, and research and planning information. They also demonstrate their marketing savvy by having a memorable URL [Utah.com](#) for their official tourism Web site.



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Computer/Technology Skills Curriculum

K-2			3-5			6-8			9-12		
K	1	2	3	4	5	6	7	8	9-12		

K-12 Computer/Technology Skills Standard Course of Study was approved by the North Carolina State Board of Education May, 1998. Send comments and suggestions for implementing this curriculum to: Martha Campbell, North Carolina Department of Public Instruction mcampbel@dpi.state.nc.us

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Mike Ward, State Superintendent NCDPI

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Computer/Technology Skills Curriculum

Grades 9-12

Grade Level: 9-12

STRANDS: SI = Societal Issues; KUWP/DTP = Keyboard Utilization/Word Processing/Desk Top Publishing; DB = Database; SS = Spreadsheet; T = Telecommunications; M/P = Multimedia/Presentation

Competency Goal 1

The learner will understand important issues of a technology-based society and will exhibit ethical behavior in the use of computer and other technologies.

1.1 Practice ethical behavior in using computer-based technology for class assignments and projects.

1.2 Identify issues surrounding complex technology environments.

Competency Goal 2

The learner will demonstrate knowledge and skills in the use of computer and other technologies.

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Lesson Plans

Directories

- [Apple Learning Interchange](#)
- [AskERIC Lesson Plans](#)
- [Eisenhower National Clearinghouse](#)
- [LearnNC's Lesson Plan Directory](#)
- [The Lesson Plans Page](#)

Curriculum Specific

- [Computer Skills Lesson Plans \(DPI\)](#)
- [Computer Skills lesson plans](#)

[\(TOP\)](#)

Assessment

Rubrics Resources

- [6 Trait Rubric](#)
- [A Rubric for Grading the Five Paragraph Essay](#)
- [Assessment Rubric for Class Participation](#)

Computer Skills Lesson Plans

Word Processing

Grade 2:

Lesson Plan	Obj/Measure
Zap It!	2.4.1
Home Row Rhymes	2.5.1

Grade 3:

Lesson Plan	Obj/Measure
Get in the Green	2.3.1
Halloween Tales	2.3.2

Grade 4:

Lesson Plan	Obj/Measure
Eyes on North Carolina	2.2.1
Newspaper Activity: Social Needs	2.3.1

Grade 5:

Lesson Plan	Obj/Measure
What's Wrong with this Tale	2.1.1
Reaching into the Past	2.1.2
Whale of a Tale	3.1.1

Halloween Tales

Directions: Choose a story starter below and complete the story. Use correct spelling and punctuation.

Story Starter #1

It was a beautiful day and the leaves were starting to change color. I was on my way home from school. Suddenly I saw something behind a tree.

Story Starter #2

We were sitting at the table making a poster for class. It was raining hard and the wind was whistling through the trees. Suddenly the lights went out.

Story Starter #3

My best friend didn't believe me when I told her....

Story Starter #4

I was reading my favorite ghost story when suddenly I heard a noise upstairs. Maybe it was the dog playing with my shoes or....

Story Starter #5

Now that it's almost Halloween, one thing that I want to do is....

Story Starter #6

If I could change places with my parents for one day, I would...

Story Starter #7

The best day I ever spent was...

Story Starter #8

One thing that really makes me angry is...

Story Starter #9

I can hardly wait until ...

Story Starter #10

If I had three wishes I would wish for...

Story Starter #11

My favorite pet...

Story Starter #12

If I had things my way I would...

