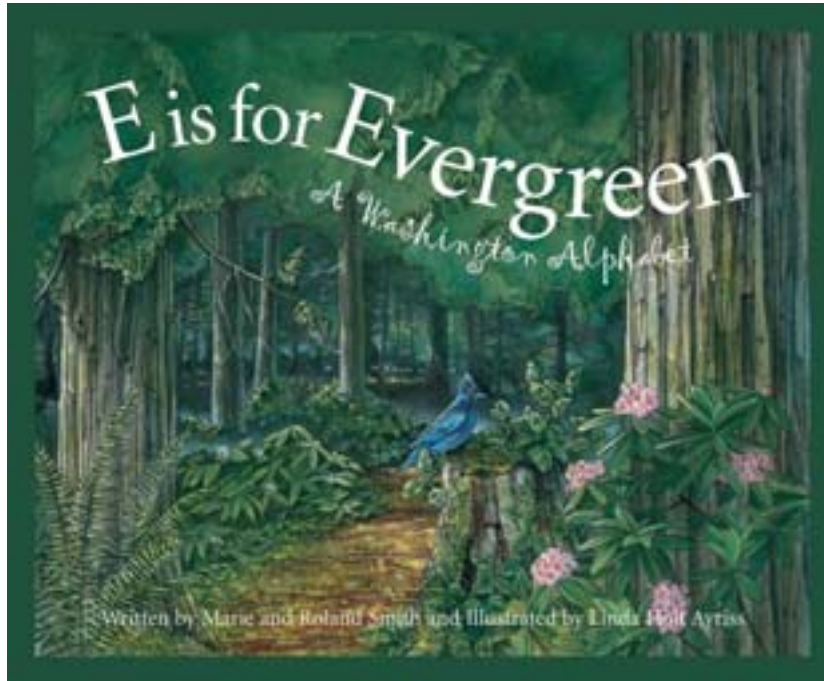


A Teacher's Guide



Written by Marie and Roland Smith
Illustrated by Linda Holt Ayriss

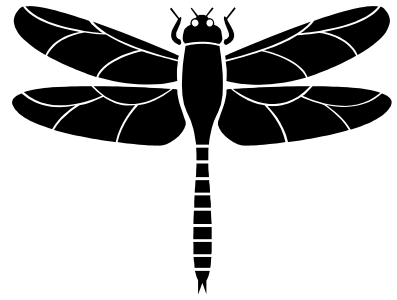
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Teacher's Guide written by Cheryl Grinn

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Wonderful Washington

E is for Evergreen is a wonderful alphabet book about the state of Washington. Do you know what makes Washington special? Find Washington's state symbols throughout the book. Have fun!



Official State Symbols

1. bird _____
2. insect _____
3. fossil _____
4. fish _____
5. tree _____
6. gem _____
7. flower _____
8. fruit _____



Washington's Who's **WHO**

Many people from Washington have helped to influence history. Washington's Who's Who ranges from Native Americans to rock stars! Use the book *E is for Evergreen* to help you find each famous person. All the answers are in the box below.

1. WHO was the state named for _____
2. WHO along with Bill Gates founded Microsoft _____
3. WHO named the Columbia River _____
4. WHO started Father's Day in 1910 _____
5. WHO had a famous Sound named after them _____
6. WHO served the longest term ever on the Supreme Court _____
7. WHO was the first woman mayor of Seattle _____
8. WHO was a miner that started a shoe store _____
9. WHO is considered one of the world's greatest guitarists

10. WHO was the first African-American to settle in the Olympia area?

Answer Box:

Bertha Knight Landes

Paul Allen

William O. Douglas

George Washington

Captain Robert Gray

John Nordstrom

Lt. Peter Puget

Jimi Hendrix

George Washington Bush

Sonora Louise Smart Dodd

When Did it Happen?

Did you ever wonder which happened first, a woman climbed Mt. Rainier or a woman became mayor of Seattle? You can find the answer to this and many other interesting facts in *E is for Evergreen*. Find the year in which each of the following events happened.

EVENT	YEAR
First woman climbs Mount Rainier	_____
Seattle's space needle built	_____
Lewis & Clark camped in tri-cities	_____
Mt. St. Helen's erupted	_____
Waiilatpu Mission established	_____

Use this information to make a timeline.

Write a paragraph explaining which of these events you feel was the most important and why.



All the Animals in the Zoo

Alphabetical order

Washington has three zoos with animals from around the world. One of the zoos is active in helping to save a number of endangered species. Find the name of this zoo in the book *E is for Evergreen*.

Name the zoo _____

The wind blew the cards with the animal names all over the zookeeper's office. It is your job to put the animal names in alphabetical order.

Can you arrange them in two minutes ? Time yourself.

Asian elephant

Clouded leopard

Red wolf

Bali mynah

Golden lion tamarin

Snow leopard

Radiated tortoise

1.

2.

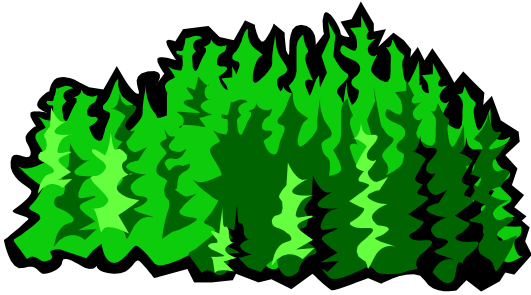
3.

4.

5.

6.

7.



Washington Has a Rain Forest

We often think of a rain forest as being a hot, steamy jungle-like setting with tropical flowers and animals. But Washington has a different type of rain forest. Find out how it is different in *E is for Evergreen*.

Project

Make a flip book showing what grows in each layer of the temperate rain forest.

Flip book

1. Take three sheets of plain paper and stack them so each sheet is about one inch apart.
2. Bring the bottom of the three sheets to the center. This should give you six tabs of the same size.
3. Fold and make a good crease on the fold.
4. Staple along the fold.
5. Make an interesting cover on the first sheet.
6. Describe one layer of the rain forest on each sheet. Add a drawing to go with each written description.

Make it True!

Each of the statements below is FALSE. You can find the correct answers in *E is for Evergreen*. Have fun in your search.

Change the underlined word to make the statement true.

1. Americans eat about five pounds of fresh apples a year. _____
2. Cryptozoology is the study of zoos. _____
3. The mosquito is Washington's official state insect. _____
4. Washington was the 40th state to join the United States. _____
5. Washington has the largest railway system in the United States.

6. The U.S. Supreme Court has 12 members. _____
7. Washington was the first state in the nation to grant women the right to vote.

8. Seattle is the capital of Washington. _____
9. The Peace Arch connects Washington and Oregon. _____
10. Mount St. Helens is Washington's tallest mountain peak. _____



Washington



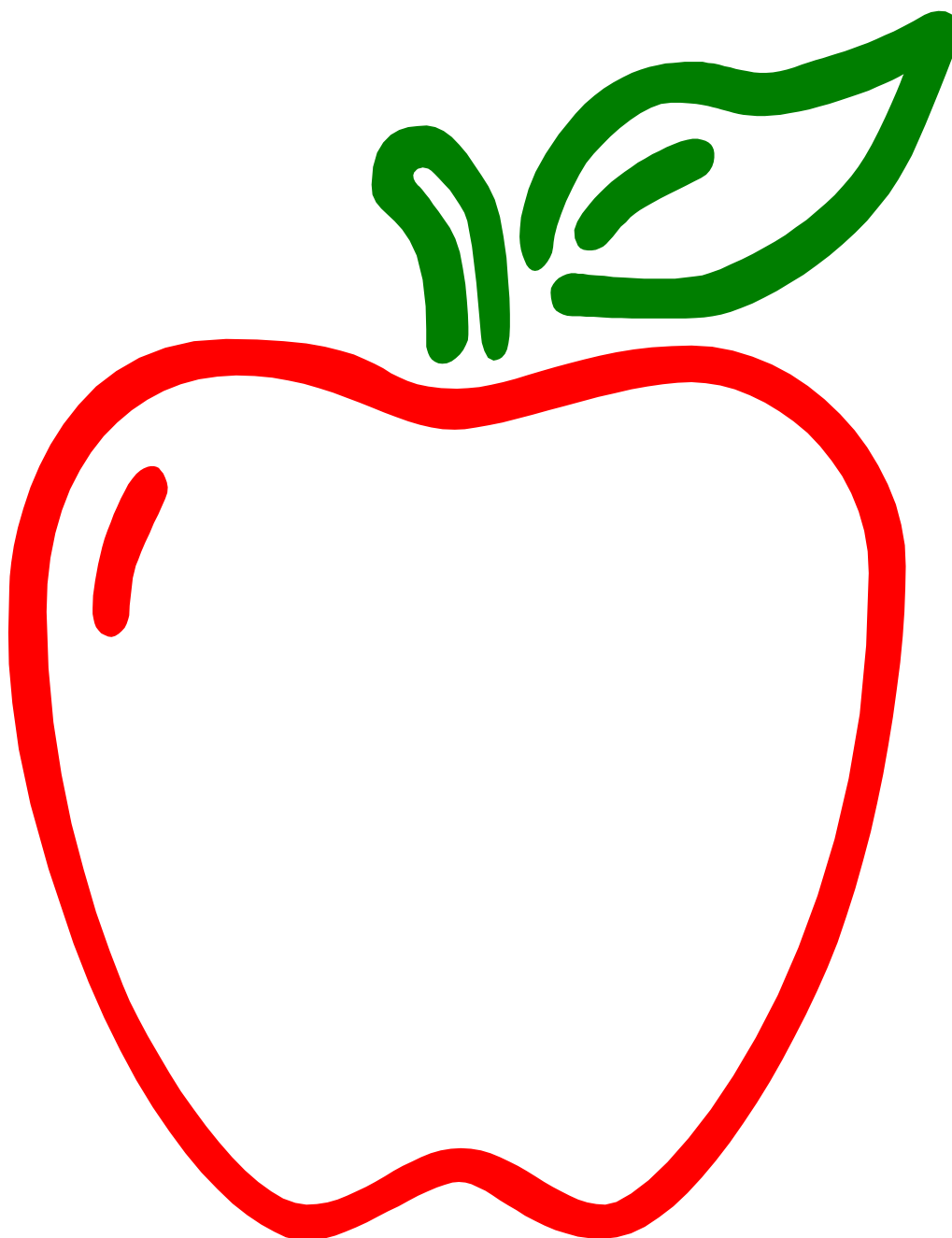
Apple Math

Learn about Washington apples and how they are grown and produced in *E is for Evergreen*. After you've read about this process, try your hand at these math problems about apples.

1. Ian wants to buy 5 pounds of apples. Apples cost 89 cents per pound. How much change will Ian receive from his \$5.00 bill ? _____
2. Mia can pick $\frac{1}{2}$ bushel of apples in 45 minutes. How long will it take her to pick 3 bushels of apples? _____
3. It takes 6 large apples to make 1 pie. Ms. Jones's class wants to make 15 pies to sell at a bake sale. How many apples will they need ? _____
4. If 10 pounds of Washington apples cost \$ 5.89, what is the cost of 3 pounds of apples ? _____
5. There are 3 small apples in 1 pound. If Mom bought 55 small apples, approximately how many pounds of apples would she have ? _____

Make an Apple Cookbook

A class cookbook is the perfect way to show off the many delightful ways to prepare Washington apples. Apples can be found in a variety of recipes. Choose your favorite and write it on the apple below. Make a bright cover for your cookbook. Enjoy your Washington apples.



Washington Crossword

E is for Evergreen will supply you with the answers you need to solve this puzzle.

1. ___ ___ **W** ___ ___
2. ___ ___ ___ ___ **A** ___
3. ___ ___ ___ **S** ___ ___ ___ ___ ___
4. **H** ___ ___ ___ ___
5. ___ **I** ___ ___
6. **N** ___ ___ ___
7. ___ ___ ___ **G** ___ ___ ___
8. **T** ___ ___ ___ ___
9. **O** ___ ___ ___ ___ ___ ___
10. ___ ___ ___ **N** ___ ___ ___ ___

1. _____ and Clark expedition
2. Washington's first female senator Patty _____
3. Elk named after a president: _____ elk
4. An Appaloosa is a type of _____
5. Largest _____ festival in the western hemisphere
6. Branch of the military with sailors _____
7. Supreme Court Justice William O. _____
8. State fish is steelhead _____
9. Washington state capital _____
10. Indian reservation established in 1922 _____

Be a software designer



E is for Evergreen is a book that will tell you about two famous people from Seattle who started a large software company. Name these people and their company:

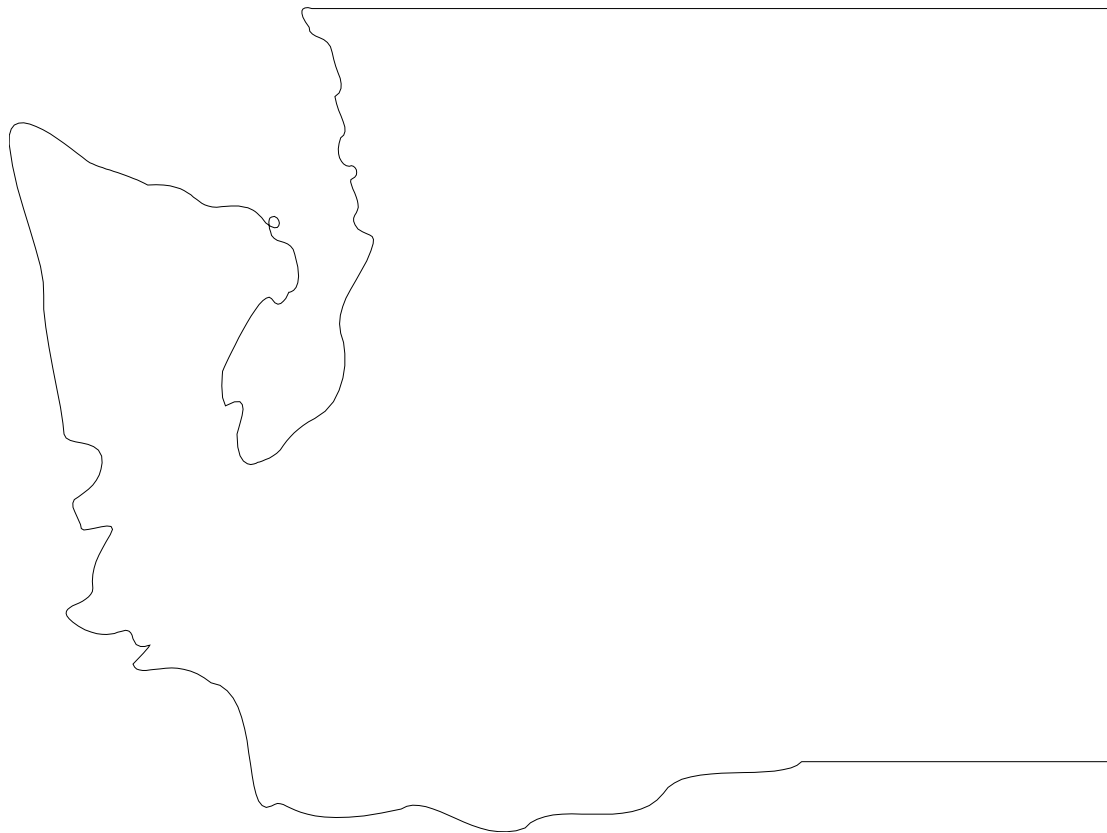
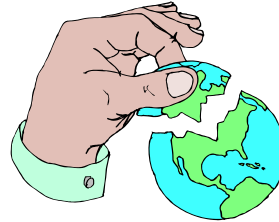
Pretend a software company has just hired you. You're a lucky person! Your first assignment is to design a software program for the computer that will help to make the world a better place.

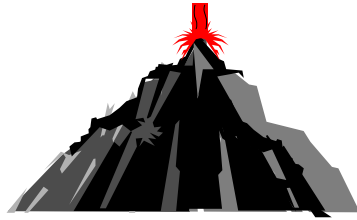
Brainstorm a list of ideas. Choose the best idea and explain it and how it would help to better the world.

MAPPING WASHINGTON

Learn about the geography of Washington in the book *E is for Evergreen*. Use this and other resources to draw and label the following places on and around this map of Washington.

1. Country that borders Washington
2. States that border Washington
3. Ocean that borders Washington
4. Cascade Mountain range
5. Olympia

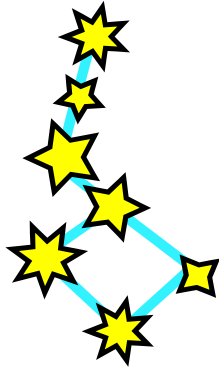




Volcanic Poetry

There are many styles of poetry. You can write a rhyming poem, a descriptive poem, or free verse, to name a few. You are going to write two poems about Washington's volcanoes. Information about the volcanoes can be found in *E is for Evergreen*. Think of a list of adjectives that describe a volcano. Focus on the sight, sound, feel, and smell. Make your reader "feel" your poems. Use your choice of poetry style. Write some ERUPTING poems !

It's in the Stars

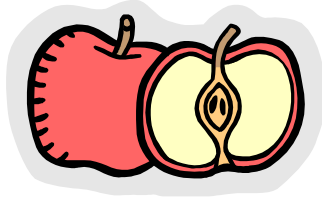


An observatory is a building that houses telescopes for looking at the stars and planets. Read about how the Goldendale Observatory got started in *E is for Evergreen*.

Imagine that you are visiting the observatory on a bright, clear evening. You search the skies with the largest telescope they have and **SUDDENLY** you see an **awesome** sight that has never been seen before. Describe what you see and draw an illustration of it. Why is this such an important discovery?

Draw your discovery below↓

Fruity Survey



Learn how Yakima Valley was transformed from a desert to a valley known as the fruit bowl of the nation in *E is for Evergreen*. Washington is the number one producer of apples, peaches, and cherries.

Survey your classmates and find which of these fruits is their favorite.

Peach

Apple

Cherry

Use this data to make a bar graph showing your results. Be sure to label your graph and make it colorful.

E is for Evergreen
Answer Key

Wonderful Washington 1) Willow goldfinch 2) Green Darner Dragonfly 3) Columbian Mammoth 4) Steelhead trout 5) Western hemlock 6) gem 7) Coast rhododendron 8) apple

Washington's Who's Who 1) George Washington 2) Paul Allen 3) Captain Robert Gray 4) Sonora Louise Smart Dodd 5) Lt. Peter Puget 6) William O. Douglas 7) Bertha Knight Landes 8) John Nordstrom 9) Jimi Hendrix 10) George Washington Bush

When Did it Happen 1) 1890 2) 1962 3) 1805 4) 1980 5) 1836

All the Animals in the Zoo "Name the Zoo" 1) Asian Elephant 2) Bali Mynah 3) Clouded Leopard 4) Golden Lion Tamarin 5) Radiated Tortoise 6) Red wolf 7) Snow Leopard

Make It True 1) 20 2) cryptids 3) Green Darner Dragonfly 4) 42nd 5) ferry 6) 9 7) 5th 8) Olympia 9) Canada 10) Mt. Rainier

Washington Apple Math 1) 55 cents 2) 4 hrs. 30 min. 3) 90 4) \$1.77 5) 18 1/3 pounds

Washington Crossword 1) Lewis 2) Murray 3) Roosevelt 4) horse 5) kite 6) navy 7) Douglas 8) trout 9) Olympia 10) Quinault

Correlation with Washington Academic Standards

Mathematics EALR

1.1, 2.3 Washington Apple Math
Fruity Survey

Writing—EALR

2.1 Father's Are Special

2.2 It's in the Stars, Washington Tall Tale, Are Sovereign Nations Necessary?,
Scoop

2.3 Be a Software Designer, Lewis & Clark arrive, Volcanic Poetry, Make an
Apple Cookbook, Bigfoot Lives, The Dragonfly, Peace for All

Social Studies

H.1.3.1 Washington's Who's Who, Washington Crossword

G.2.1.1 Mapping Washington, Washington Has a Rain Forest