

COOPERATION

Week 8

Pacific

Cooperation

Working well together.

Objectives

Cooperation States and Regions Week 8

General Objectives

- To learn about the character trait of Cooperation
- To learn about states/people of Pacific Coast
- To study the richness of the natural resources of this coastal region.

Specific Objectives

- To identify the geography of the region
- To continue learning state capitals
- To make your own animated cartoon and read about Walt Disney
- To research the California Gold Rush of 1849
- To study about earthquakes and cable cars
- To learn about redwoods and sequoias
- To California produce in the grocery store
- To research Death Valley, Silicon Valley, and Alcatraz
- To eat sardines, sourdough bread, and California produce
- To research and cook salmon
- To learn about apples, seals, condors, and dolphins
- To study airplane manufacturing and Boeing
- To research logging
- To learn about Mt. St. Helens

Alert

Cooperation States and Regions Week 8

- Cactus terrarium material 227 (p.130)
- Colored sand 229 (p.131)
- Piñata 248 (p.133)
- Jazz music 276 (p.136)
- Costumes for "Hats Across America"

Weekly Supplies

Cooperation States and Regions Week 8

- Sardines 204 (p.128)
- Long rope or garden hose 205 (p.128)
- Beach Boys songs
- Big shirt, blanket, 2 paper towel rolls 189 (p.127)
- Salmon to grill 191 (p.127)
- Olives, almonds, walnuts, oranges, avocados, grapes, raisins, dates, pistachios, kiwi, artichokes, etc.
- Sourdough bread
- Dried beans 194 (p.127)
- Different apples to taste 198(p.128)
- Poster board, play dough 203(p.128)
- Borax...if you can find it 218(p.129)

Bible Verse

Cooperation States and Regions Week 8

Now you are Christ's body, and individually members of it. And if one member suffers, all the members suffer with it; if {one} member is honored, all the members rejoice with it.

1 Cor. 12:27-28

Focus Books

Cooperation States and Regions Week 8

A *The Life of a Salmon* by Clare Hibbert
Walt Disney: When Dreams Come True
by JoAnn DeFranco

Early Loggers and the Sawmill by Peter Adams and Bobbie Kalman

The Little Seal by Harris and Boey

Here Come the Dolphins by Alice E. Goudey and Garry MacKenzie

Legends of Paul Bunyan by Harold W. Felton

Music

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When You Wish Upon a Star

Mickey Mouse Club Song

Who's Afraid of the Big Bad Wolf

<http://www.youtube.com/watch?v=8VYJy05T70o>

Ballad of Davy Crockett

<http://www.youtube.com/watch?v=0nOF4cq6qNc>

I Left My Heart in San Francisco

Beach Boys songs

Video/DVD/TV

Cooperation States and Regions Week 8

- <http://www.youtube.com/watch?v=SoG94ieN828> (Paul Bunyan: Disney 1)
- <http://www.youtube.com/watch?v=UyDAr-hjw80&NR=1> (Paul Bunyan: Disney 2)
- *Davy Crockett*
- *Mickey Mouse Club*
- *Birdman of Alcatraz* with Burt Lancaster
- *Volcano* with Tommy Lee Jones (volcano from La Brea Tar Pits)
- *San Francisco* with Clark Gable and Jeanette MacDonald (about San Francisco earthquake)

Websites

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- <http://tv.yahoo.com/flipper/show/30487/videos>
(Flipper show)
- <http://disney.go.com/disneyatoz/familymuseum/collection/masterworks.html> (Walt Disney info)
- <http://www.youtube.com/watch?v=QNK5KzI48mM>
(Mousekettters sing Mickey Mouse song)
- <http://www.youtube.com/watch?v=3JJ9Ei-2C5Y&feature=related> (Opening to Disneyland's weekly TV show)
- <http://www.youtube.com/watch?v=TO4LxfobDIM&feature=related> (Mousekettters roll call song)
- <http://www.youtube.com/watch?v=pkXnFSnxrZU&feature=related> (Mouseketter roll call on Talent Day)
- http://www.youtube.com/watch?v=_9BWW6Mb7oA&feature=related (Mouseketter roll call Anything Can Happen Day)

Websites

Cooperation States and Regions Week 8

- <http://www.youtube.com/watch?v=D42Czi8TMSY&feature=related> (Mouseketter roll call Circus Day)
- <http://www.youtube.com/watch?v=D42Czi8TMSY&feature=related> (Spin and Marty)
- <http://www.youtube.com/watch?v=W2xB85ZSAkg&feature=related> (Spin and Marty)
- http://www.youtube.com/watch?v=M11v2VMhZ_E&feature=related (Spin and Marty)
- <http://www.thewesternisles.co.uk/differencedolphinporpoise.htm> (Differences between dolphins and porpoises-great chart)
- <http://today.msnbc.msn.com/id/21689083/> (Dolphins save surfer from shark)
- <http://video.google.com/videoplay?docid=340128949745606152> (30 min. episode of *Death Valley Days*)

Websites

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- <http://www.youtube.com/watch?v=DWsN63PRCW8>
(Killer whale eat sea lions and then release one)
- <http://www.rth.org/tarpits/> (La Brea Tar Pits slides)
- <http://www.tarpits.org/research/pit91/findings.html>
(La Brea museum home page telling what found Pit 91)
- <http://video.google.com/videosearch?q=Mt%20St%20Helens&rls=com.microsoft:en-us:IE-SearchBox&oe=UTF-8&sourceid=ie7&um=1&ie=UTF-8&sa=N&hl=en&tab=wv#> (Eruption of Mt. St. Helens)
- <http://video.google.com/videosearch?q=Mt%20St%20Helens&rls=com.microsoft:en-us:IE-SearchBox&oe=UTF-8&sourceid=ie7&um=1&ie=UTF-8&sa=N&hl=en&tab=wv#> (Eruption and destruction of Mt. St. Helens)

Writing Assignment

Cooperation States and Regions Week 8

NONE

Read over "Hats Across America" and decide:

- what parts to include
- who will do what part
- work on costumes
- begin learning lines

Vocabulary

Cooperation States and Regions Week 8

Death Valley

20 mule team

Boron

Borax

Muleskinner

Swamper

Jerkline

Cable Car

Cable

Gripman

Grip leaver

Conductor

Turntable

Silicon Valley

Silicon

Semiconductor

Conductor

Insulator

Condor

Scavenger

Bird of Prey

Talon

Crop

Thermal current

Imprinting

Endangered

Vocabulary

Cooperation States and Regions Week 8

Olives

Evergreen

Drupe

Pit

Brine

Pimento

Fustiness

Deteriorate

Perishable

Dolphin

Mammal

Fluke

Melon

Sonar

Timber

Timber

Fell

Delimb

Bucker

Chainsaw

Clearcut

Treepile

Fatality

Plywood

Pulp

Seal

Colonies

Rafts

Rookeries

Vocabulary

Cooperation States and Regions Week 8

Tar Pits

Tar

La Brea

Fossil

Saber-toothed tiger

Mammoth

Seattle

Monorail

Espresso

Latte

Logo

Cultural phenomenon

Salmon

Spawn

Redd

Life cycle:

egg

embryo

alevin

fry

parr

smolt

mature salmon

Estuary

Brackish

yolk sac

Timeline Characters

Cooperation States and Regions Week 8

California

Walt Disney

Ronald Reagan

Washington

Chief Joseph

Bill Gates

William Boeing

Map Study

Cooperation States and Regions Week 8

California

Cities:

Los Angeles

San Francisco

Sacramento

San Diego

Mountains:

Sierra Nevada Range

Deserts:

Mohave

Death Valley

Landmarks:

Golden Gate Bridge

Hollywood

Disneyland

Sea World

Alcatraz

Redwood and Giant Sequoia

Oregon

Cities:

Salem

River:

Columbia

Washington

Cities:

Seattle

Mountains:

Cascade Mountains

Mt. St. Helena (volcano)

Landmarks:

Puget Sound

Olympic National Park

Permission Slip

Permission Coupon

Free pass to skip one activity
or other assignment

(Feel free to copy as often as needed)

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States and Capitals

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California, Sacramento

Washington, Olympia

Oregon, Salem

Landmarks CA, OR, WA

Cooperation States and Regions Week 8

California

- Hollywood
- Sequoia
- Redwood
- Yosemite Natl. Park
- La Brea Tar Pits
- Queen Mary
- Silicon Valley
- Death Valley
- Golden Gate Bridge
- Disneyland
- Sea World

Washington

- Mt. St. Helens
- Olympic Natl. Park
- Puget Sound
- Space Needle

Oregon

- Oregon Trail
- Spruce Goose

Activities

Cooperation States and Regions Week 8

Monday: CA Landmarks and Los Angeles

181 (p.126) Compare and contrast characteristics of Pacific states.

182 (p.126) Locate CA landmarks on US map.

211 (p.129) Study the Le Brea tar pits.

213 (p.129) Make your own cartoon while you learn about Walt Disney and Disneyland.

Read about Hollywood and Beverly Hills.

Tour Los Angeles

Cooperation States and Regions Week 8

- **Disneyland**
- **Hollywood**
 - Hollywood and Vine, Wilshire Blvd, Sunset Blvd.
 - Walk of Fame- 2,000 bronze stars/names of movie stars
 - Mann's Chinese Theater-stars hand/foot prints
 - Beverly Hills/ Rodeo Drive
- La Brea Tar Pits
- Knott's Berry Farms
- Queen Mary
- Venice Beach

La Brea Tar Pits

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- Famous group of tar pits in heart of LA; George C. Page museum still digging and displaying specimens; 2006 discovery of 16 fossil deposits during the construction of an underground parking garage included saber-toothed tiger, giant sloth, bison, near-intact mammoth skeleton.
- *La brea* Spanish for tar
- Tar seeped from ground for thousands of years
- Pits covered w/ water; animals drank; trapped by tar; predator animals attacked stuck animals; also stuck; over centuries, the bones sank into tar and preserved.
- Bones of dead animals soak up tar/asphalt turning dark-brown or black color; asphalt also preserves plants insects, dust, and even pollen grains.

Walt Disney

Cooperation States and Regions Week 8

World's greatest family entertainer

- Loved drawing as a young boy
- Quit school and drove ambulance for Red Cross during WWI; (age 17)
- Took first job as an animator in Kansas City making short commercials for movie theaters
- Borrowed the camera and began to make cartoons in his garage at night called Laugh O'Grams
- Laugh O'Grams went bankrupt - 1923
- Moved to Hollywood to partner with his brother, Roy (Disney Brothers Studios) - 1923
- Married Lillian and had 2 daughters
- Had nervous breakdown - 1930
- Won first two Oscars for Mickey Mouse and Flowers and Trees - 1932

Walt Disney (cont'd 2)

Cooperation States and Regions Week 8

- 20 million people saw *Snow White*, 1st full length animated movie; won Oscar 1938; Shirley Temple gave Walt 1 large Oscar and 7 little Oscars
- Disneyland TV Show was runaway hit; used show to promote Disneyland - 1954
- Nominated for 59 Academy Awards; World record
- Won 26 Academy Awards; World record
- *Mary Poppins* was Walt's last film; won 5 Oscars; nominated for 8 others - 1964
- Awarded Medal of Freedom, highest civilian award by LBJ - 1964
- Died at age 65 from lung cancer; chain smoker - 1966

Disney Creations

Cooperation States and Regions Week 8

- *Oswald the Lucky Rabbit* (Lost in a lawsuit) - 1927
- *Mickey Mouse* (to replace Oswald) in *Steamboat Willie* - 1928
- Donald Duck, Goofy, and Pluto (Wildly popular characters with Mickey) 1930's
- *Flowers and Trees* (first color cartoon) wins Oscar - 1929
- *Three Little Pigs* (most popular cartoon ever); "Who's Afraid of the Big Bad Wolf?;" most popular song of the year - 1933
- *Snow White and the Seven Dwarfs* (first full length animated movie) - 1937
- *Pinocchio*, *Fantasia*, and *Dumbo* (released during depression; didn't do well) 1940-41
- *Cinderella* becomes huge hit; *Treasure Island* too - 1950
- *Alice in Wonderland* and *Peter Pan* released - 1953
- Disneyland Show begins on TV (*Davy Crockett*, *Mickey Mouse Club*) - 1954
- Disneyland theme park opens - 1955

What have you seen?

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Lady and the Tramp
Treasure Island
Pirates of Caribbean
Aladdin
Newsies
Pollyanna
Pocahontas
Toy Story
Babe
A Bug's Life
Remember the Titans
Finding Nemo
The Parent Trap
Cars
Ratatouille
Little Mermaid
Fox and Hound

Mary Poppins
The Jungle Book
Princess Diaries
The Love Bug
Hannah Montana
Robin Hood
Apple Dumpling Gang
Pete's Dragon
The Lion King
White Fang
Wall E
Cool Runnings
Incredible Journey
Chronicles of Narnia
Absent minded Prof.
Bedknobs and Broomsticks

Snow White
Dumbo
Pinocchio
Peter Pan
Alice and Wonderland
Bambi
Winnie the Pooh
Cinderella
Sleeping Beauty
Old Yeller
20,000 Leagues
The Shaggy Dog
Swiss Family Robinson
Beauty and the Beast
101 Dalmations
Sword and the Stone
American Tale

Activities

Cooperation States and Regions Week 8

Tuesday: San Francisco

Learn about San Francisco.

Research the California Gold Rush of 1849 and learn about sourdough as you eat sourdough bread.

217 (p.129) Learn about earthquakes.

Research the San Francisco earthquake and fire.

204 (p.128) Eat sardines.

205 (p.128) Learn how cable cars work and dramatize letting kids be cable cars.

San Francisco Tour

Cooperation States and Regions Week 8

- Golden Gate Bridge
- City of 43 Hills
- "Curb your wheels!"
- Telegraph Hill
- Cable Cars
- Lombard Street-world's crookedest street
- Alcatraz
- Chinatown
- Fisherman's Wharf
- Fog
- Flower vendors on each street corner
- Gold Rush 1849
- San Francisco Earthquake and Fire

Golden Gate Bridge

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- Suspension Bridge spanning the Golden Gate, the opening of the San Francisco Bay onto the Pacific Ocean.
- Open 1937
- Two 65 story towers and cables painted orange to blend with the hills and to be seen easily in the fog.
- 27,572 wires in each cable

Cable Cars

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- Since 1873 San Francisco has had multi passenger, bus-like cable cars traveling up the steep hills by gripping an underground moving cable which pulls cars along a track.
- 1' diameter cable runs continually like a conveyor belt underground in a groove between the two rails of track; the cable car has a grip claw that latches onto the moving cable when the gripman wants the car to move.
- **Gripman** uses the **grip lever** to grasp the cable; he stops the car by releasing gripper on the cable.
- The car barn houses the pulleys and powerful motors that pull the cables at a constant speed of 9.5 mph
- A conductor takes tickets and makes sure there are no free-loaders.
- Cars are turned around on a turntable.
- Gripman rings the brass bell to say the car is starting.

Alcatraz

Cooperation States and Regions Week 8

- 12-A rock island in San Francisco Bay that was 1st a US fortification, then army prison, then federal prison.
- Name means Island of Pelicans, but prison known as “the rock,” “hellcatraz”; 1st prisoners in 1934; closed 1963.
- Most troublesome prisoners: Al Capone, Machine Gun Kelly, FBI “Public Enemy No. 1”, Birdman of Alcatraz.
- Cell 5X9 w/ bunk, wash basin, toilet, tiny shelf; mail censored/ retyped; visitors once a mo. but could only talk to prisoner over phone w/ guard listening.
- The Hole: solitary, total darkness, bread/water.
- 1 guard w/ machine gun for every 3 prisoners; sirens/lights; tear gas in dining hall; freezing water; fog.
- Escapes: 36 tried-26 captured, 7 shot, 1 drown, 6 ???
- Dug through walls w/ spoons, water wings surgical gloves, sawed bars w/ dental floss/cleanser, forged own release.

Activities

Cooperation States and Regions Week 8

Wednesday: California Resources

- 202 (p.128) Learn about redwood and sequoia trees.
- 203 (p.128) Use cardboard to illustrate your size compared to a sequoia tree.
- 206 (p.128) Learn about California's irrigation systems.
- 208 (p.129) Visit a grocery store and identify California produce.
Eat CA produce-olives, almonds, walnuts, oranges, avocados, grapes, raisins, dates, pistachios, kiwi
- Read about the condor and cut a piece of yarn the length of his wing span.
- 210 (p.129) Research the Silicon Valley.
- 218 (p.129) Study mule skimmers and boron mines.³⁴

Redwood and Sequoia

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Sequoia

310 ft. tall
3200 yrs. old
2.7 million lbs.
31 inches bark thick
35 ft. diameter base
Cone shaped like egg
Small overlapping needle
Grow up in Sierra
Nevadas

Redwood

368 ft. tall
2200 yrs. Old
1.6 million lbs.
12 inches bark thick
22 ft. diameter base
Large olive shaped cone
Single needles that fall
off in sprays
Grow along Pacific coast

Alison Sheehey ©

Fire proof: tannin, limbs high out of fires reach, thick, no-break bark
Root system is 4-6' deep but 250' lateral; forest litter protects roots
from drought; many oldest coast redwood have 15' soil added to the
base of the tree by flooding thus producing very wind stable trees. Fill
around redwood base does not kill; sends out new roots near surface.
³⁵

Olives

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- Olive tree is evergreen; grows to 50'; 500 yrs old.
- Like peach, olive is drupe fruit w/ single stone or pit.
- Green olives and black olives come from same tree; green picked before ripe, black olives when ripe.
- Green olive has firmer texture than black olive; must be stored in brine so will not taste bitter; often stuffed w/ pimento, part of a cherry pepper.
- Olives are subtropical; do best with mild winters and long dry summers; branches killed by temperatures below 22°; whole trees killed by freezing.
- Olives grow on coast of CA, coast/tip of TX, and lower half of FL.
- Require temp. below 54° for semi-dormancy; set buds

Olives to Olive Oil

Cooperation States and Regions Week 8

- Harvest Oct.-Jan.; by hand with nets on ground
- Moment olive leaves tree, begins to deteriorate; should be processed w/in 24 hours or sooner; too long causes defect in oil called **fustiness**.
- Making olive oil:
 - olives washed and ground to paste
 - paste stirred slowly in a warmed tank; helps the droplets of oil combine to form bigger drops
 - oil separated old way is to press between stack of grass mats smeared with paste; new method spins the paste to separate oil
 - perishable; **enemies are heat, light, air and time**
- **Store cool** place, protected from light; **dark glass** is best for olive-oil bottles.
- **Good for health.**

Silicon Valley

Cooperation States and Regions Week 8

- The term was coined in 1971 to identify the Santa Clara Valley, located at the southern end of San Francisco Bay, (see map).
- Many companies involved in making computers and writing software located there.
- Computers use silicon chips made out of the mineral, silicone.
- Silicon is a semiconductor meaning it is between a conductor and an insulator.
- Remember, a conductor carries a flow of electrons.
- Semiconductors can carry a current two ways, either by a flow of electrons or a flow of positively charged holes in the silicon chip.
- Silicon Valley is home to some of the top computer parts makers and software companies in the world including:

Adobe Systems
Apple Inc.
Cisco Systems
eBay
Google

Hewlett-Packard
Intel
Intuit
Yahoo!

Death Valley

Cooperation States and Regions Week 8

- 1881 boron discovered in Death Valley; used as cleaner and in making fiber glass, fertilizers, medicines, photographic chemicals.
- Used 20 mules pulling 2 wagons of borax and 1 tank of water all weighing 73,200 lbs. or $36 \frac{1}{2}$ T. over 165 mi. of desert w/ temperatures of 130° to the nearest railroad; 20 day round trip.
- Wagon back wheels 7' tall; front 5'
- Crew of driver (muleskinner) and swamper (brakeman/ cook/mule tender); skinner drove from box of 1st wagon w/only jerkline, a long rope running through a collar ring of each left-handed mule up to the leader AND his voice to command mules by name.
- On sharp turns, 6 back pairs mules jumped over center chain to keep long chain from going in straight line; pulled chain in a curve to keep from going over cliff.

Condor

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- Condors are endangered vultures that have a 9' wingspan making them the largest flying land bird in N. Amer.; found in CA; can soar as high as 15,000' on thermal currents w/o flapping wings.
- Scavengers not birds of prey; cannot hold prey with talons; more like storks; may eat 3-4 lbs. storing food in pouch called crop.
- Bald head keeps bacteria from growing in feathers after grabbing rotting meat from carcass; clean on sand; ruffle of down feathers at neck; remarkable eyesight to locate carcasses.
- Endangered: mate 5-7 yrs.; 1 egg; young stay w/ parents for over yr.; mate for life; 1 egg every 2 yrs.; 1980s only 9 birds and 1 mating pair remained.
- Raised in captivity recog. imprinting and used hand puppet.
- Habit of panting like dog and urinating on talons to cool off.

Activities

Cooperation States and Regions Week 8

Thursday: Oregon state and the beach

214 (p.129) Read about shells and collect shells.

215 (p.129) Take a 'beach photo' and make a seashell picture frame.

Listen to Beach Boy music.

Read about whale watching and the whale migration.

Read about dolphins and porpoises.

Read about sea lions.

186 (p.126) Play logging games as you learn about logging industry.

190 (p.127) Learn about salmon and their migration.

191 (p.127) Grill salmon for dinner.

Research logging

Dolphins

Cooperation States and Regions Week 8

- Two kinds of whales-toothed and baleen; dolphins belong to toothed whale side; killer whale large dolphin
- Blow hole to breathe; dive 900' by collapsing lungs/squeezing rib cage; 8 min. submerge
- Fluke for moving 23 mph; melon on head filled w/ oil that carries sound well
- Sonar to locate obstacles; communicate with clicks, whistles, squeaks, barks, yapping noise
- Babies nudge groove on mother's belly; nipple pops out; baby wraps tongue around nipple; milk squirts; nurse short time but every 15 min.; milk 50% fat; nurse 1-1 $\frac{1}{2}$ yr.
- Groups chase schools of fish to surface/shore to eat
- Have helped people in water; friendly to humans

Sea Lions

Cooperation States and Regions Week 8

- Marine mammals living on Pacific coast.
- Barking, honking noise.
- Fast swimmers 25 mph.
- Fast on land w/ all four flippers.
- Intelligent/social.
- Congregate land large groups.
(colonies); sm. water groups (rafts).
- Breeding areas are rookeries.
- Thick layer of blubber; short, thick brown fur.
- Whiskers help the seal's sense of touch.
- Good sense hearing/keen eyesight.
- Males bulls furry mane at neck; weigh 850 lbs.; 8 ft.
- Females weigh up to 250 lbs.; up to 6.5 ft.
- Eat fish, clams, crabs; eaten by killer whales.



Salmon

Cooperation States and Regions Week 8

A fish that is hatched in freshwater but lives in salt water.

- Adult salmon (pronounced sam man) lives in ocean 1 to 8 years.
- Each adult returns to place of his (her) birth to reproduce by swimming hundreds of miles and up thousands of feet into freshwater streams to **spawn**.
- Female digs out a nest in the gravel stream bed, then lays eggs.
- Male swims past and fertilizes the eggs. Most adults die within a few days after spawning.
- Salmon **embryo** begins developing and is ready to hatch in 2 months.
- The babies are called **alevins** and remain in the nest or **redd**.
- In 3 to 6 weeks the alevin grows scales for protection and is called a **fry**; leaves the redd and hunts for its own food.
- Fry's develop stripes and spots for **camouflage**, are about 3" long, and are called parrs. They try to avoid being eaten by **predators**.

Salmon (cont'd 2)

Cooperation States and Regions Week 8

- Frys grow to 6"; change to a silvery color, and are called smolts.
- Smolts must change their breathing to be able to handle the salt of the ocean.
- The smolts stay in an estuary where the river empties into ocean, (a brackish place where freshwater and saltwater mix) until they get used to the salt water.
- Mature salmon stay in the ocean for about 4 years and grow to about 3' in length.
- Adult now swims back into the same estuary for the return to same spawning ground where it was born; scientist do not know how they find the path which might be hundreds of miles of swimming against strong currents from spring rains and snow melt. They can even jump up small waterfalls.
- When "home" the female digs into the gravel with her tail; she lays between 2,500 and 7,000 eggs.
- The male covers the eggs with sperm; then the female covers the fertilized eggs with gravel.
- Both male and female soon die.

Logging

Cooperation States and Regions Week 8

- Cutting down trees for forest management and **timber**; moving wood from the stump to mill/ lumber yard.
- Removing valuable trees from forest is **selective logging**.
- **Clearcut logging** is harvesting every tree in a large area.
- 1st trees are **felled**, cut down; next they are **delimbed** branches cut off; finally comes **bucking**, cutting the log to specific length to sell for specific product ...**plywood, lumber, pulp**
- Bucker anchors end of an auto rewinding tape measure attached to his belt and walks down the log trimming as he goes; tape anchored gently in bark so it can be jerked loose when the measurement is completed; cuts log based on particular length diameter, grade, and species that different buyers order.
- Bucker turns a tree into logs of optimum value.

Logging

Cooperation States and Regions Week 8

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Activities

Cooperation States and Regions Week 8

Friday: Washington state

Read about Chief Joseph.

198 (p.128) Learn about the different kinds of apples and have a taste test rating tart or sweet.

Make a Yakima apple pie for dinner.

199 (p.128) Study types of airplanes and fly models as you learn about Boeing.

194 (p.127) Using boiling water and beans to show how hot magma pushes through the earth's crust.

Look on every computer you can find to see if it runs on Microsoft programs.

Identify the Space Needle as you have a Starbucks

Chief Joseph

Cooperation States and Regions Week 8

- Chief of Nez Perce Nation which once occupied much of WA, OR, ID
- 1877 war between US and Nez Perce
- Joseph lead his people out of Walla Walla Valley over rough terrain toward Canada
- 40 mi. from border US troops overtook him
- His people were starving and most of his warriors were dead or wounded
- Surrendering words, “I will fight no more forever.”
- Died on Colville Reservation in Washington.⁴⁹

Boeing

Cooperation States and Regions Week 8

- Wm. Boeing was born in Detroit .
- Studied at Yale then joined father in lumber business in Seattle.
- 1916 founded what became Boeing Airplane Co., the world's largest airplane manufacturer.
- Go to the website and look up all the different names on planes from American China that Boeing sells to; also note different kinds of planes such as private jets as well as commercial jets.

<http://www.boeing.com/commercial/products.html>

Kinds of Apples

Cooperation States and Regions Week 8

- Red Delicious
- Golden Delicious
- Granny Smith
- Fuji
- McIntosh
- Rome Beauty
- Winesap
- Cortland
- Gala
- Jonagold
- Jonathan
- Cox's Orange Pippin
- Pink Lady

Yakima Apple Pie

Cooperation States and Regions Week 8

- Preheat oven 450°.
- Make bottom pie crust for 9" pie pan.
- 5 $\frac{1}{2}$ cu. peeled, sliced Granny Smith.
 - $\frac{1}{2}$ cu. sugar
 - $\frac{1}{8}$ tsp. salt
 - 1 Tbsp. cornstarch
 - $\frac{1}{4}$ tsp. cinnamon
 - $\frac{1}{8}$ tsp. nutmeg
- 1 Tbsp. butter dotted on piled apples in crust
- Bake 20 min. then remove from oven and cover w/ 1 cu. grated cheddar cheese.
- Broil until cheese bubbles.

Bill Gates

Cooperation States and Regions Week 8

- Came from a family of money and achievement; Governor of WA and other dignitaries dined frequently at the Gates' home.
- Raised by his grandmother (Gam) who taught him to excel; friends said he would do most anything to win.
- School put in a computer terminal; Gates spent every second learning BASIC computer language; in 1 week, he knew more than the teacher.
- Attended Harvard University but dropped out after he and Paul Allen wrote a program to make the first PC work in 1975.

Bill Gates (cont'd 2)

Cooperation States and Regions Week 8

- Gates and Allen secured rights to provide the disc operating system to the IBM PC. MS-DOS made Microsoft take off; became very wealthy.
- Question of the day about every PC and every program was, "Is this IBM compatible?"
- Developed Windows; then developed MS Word, Excel, Explorer, Outlook, and PowerPoint; became the youngest billionaire in history at age 31.
- Resigned from day to day authority of running Microsoft in 2000.
- Had given away \$32,000,000,000 by 2006.

Microsoft Windows Logo

Cooperation States and Regions Week 8



Seattle World's Fair

Cooperation States and Regions Week 8

- 1962
- 10,000,000 people attended.
- Left behind Space Needle
 - 605' tall = 60 stories
 - Revolving restaurant every 47 min.
- Alweg monorail
 - Only self sufficient public transport.
 - Fastest monorail in US at 50 mph.



Starbucks

Cooperation States and Regions Week 8

1970s

- First Starbucks opens in Seattle selling coffee beans; company name/logo from Moby Dick, a classic American novel about whaling industry.

1980s

- Howard Schultz joins Starbucks; after trip to Italy drinking espresso and latte, thinks Starbucks should sell both.

2000s

- Starbucks has more than 15,000 locations across the globe . . . A cultural phenomenon.



Permission Slip

Permission Coupon

Free pass to skip one activity
or other assignment

(Feel free to copy as often as needed)

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Field Trips

Cooperation States and Regions Week 8

Look for Microsoft programs
on all computers you see

Look for California produce at
your local grocery store

Eat California produce and
Washing apples

Suggestions for Dad

Cooperation States and Regions Week 8

- Teach the Scripture verses.
- Give out vocabulary words.
- Show kids all of the Microsoft programs you use.
- Start thinking about a gift for your wife for *Teacher of the Year* award.

Focus of the Week

Cooperation States and Regions Week 8

- Learning about the character trait of Cooperation
- Learning about states/people of Pacific Coast
- Studying the richness of the natural resources of this coastal region.
- Identifying the geography of the region
- Continuing to learn state capitals
- Making your own animated cartoon
- Researching the California Gold Rush of 1849
- Studying about earthquakes and cable cars
- Learning about redwoods and sequoias
- Finding California produce in the grocery store
- Researching Death Valley
- Playing logging games and cooking salmon
- Learning about apples
- Studying about airplane manufacturing
- Learning about Mt. St. Helens

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Thanks,
Wade and Jessica Hulcy