

COOPERATION

Week 6

Rocky Mountains

Cooperation

Working well together.

Objectives

Cooperation States and Regions Week 6

General Objectives

- To practice character trait of cooperation within the family
- To learn the history and geography of the Rocky Mountain Region

Specific Objectives

- To learn the capital of each Rocky Mountain state
- To study animals of the Rockies
- To learn about fire safety
- To research about mining
- To understand the Comstock Lode
- To write a paper on mining
- To find the Great Basin
- To learn about the Great Salt Lake and the salt flats
- To discovery properties of salt adding density to H₂O
- To learn the history of Utah and Brigham Young
- To research the beliefs of the Mormon Church
- To learn about the Idaho potato
- To research back packing and run an obstacle course

Alert

Cooperation States and Regions Week 6

Week 8

Pine cones

Week 9

Colored (dyed) sand for sand painting

Week 12

Continue collecting costumes from each region for the “Hats Across America” play.
See cast (p. 142b)

Weekly Supplies

Cooperation States and Regions Week 6

- **Poster board for "Smokey Bear" poster
152 (p.122)**
- **Salt for Salt Lake experiment 161 (p.123)**
- **Bikes to dramatize Bonneville Salt Flats
163 (p.123)**
- **Pie pans for gold panning**
- **Idaho potato 169 (p.124)**

Bible Verse

Cooperation States and Regions Week 6

On the contrary, it is much truer that the members of the body which seem to be weaker are necessary; and those {members} of the body which we deem less honorable, on these we bestow more abundant honor, and our less presentable members become much more presentable, whereas our more presentable members have no need {of it.}

1 Cor. 12:22-23

Focus Books

Cooperation States and Regions Week 6

A Books on:

Mining books

Moose, Elk, Big Horn Sheep, Bears

Glaciers

Mormons

Brigham Young

Yellowstone

Mesa Verde

Hoover Dam

Websites

Cooperation States and Regions Week 6

- <http://www.sierrafoothillmagazine.com/goldmethods.html> (photos of panning and rockers)
- <http://www.youtube.com/watch?v=TpY4frpheWw> (Black bears prepare for hibernation)
- <http://www.calgoldrush.com/graphics/evolution.html> (excellent evolution of mining)
- http://www.youtube.com/watch?v=4AS9T_9VMB8 (Elk bugling)
- http://www.youtube.com/watch?v=Tn-HZ95K_wQ&feature=related (Elk fighting)
- <http://www.youtube.com/watch?v=7xiVyMsQKa4&NR=1> (Smokey's birthday)
- <http://www.youtube.com/watch?v=4GJIP6yPC0w&feature=related> (Smokey Bear)
- <http://www.youtube.com/watch?v=LcFX5HbN2SI> (Anthony Hopkins breaks motorcycle record-Bonneville)

Writing Assignment

Cooperation States and Regions Week 5

Y-M-O Write a report about mining.

Writing Tip

Cooperation States and Regions Week 5

Y-M-O (same as whaling, car, Buffalo Bill paper)

- **Begin by creating boxes for each paragraph by picking most interesting facts:**
 - **Drilling and parts of the mine**
 - **Miners..jobs, tools, life**
 - **Stamp mill**
 - **Hazards and abuses (dusty air and cave ins; company store to labor unions)**
- **Combine lesser like facts into one paragraph.**
- **Next, group words into each box.**
- **Next, order the words.**
- **Finally, begin to write sentences for each word explaining the process.**
- **Younger children write 2-3 sentences about each area**

Music/DVD

Cooperation States and Regions Week 6

Music:

- <http://www.youtube.com/watch?v=nDcIfTUc1xA&NR=1>
(Rocky Mountain High by John Denver)
- <http://www.youtube.com/watch?v=boXa8c6OuRQ>

DVD:

- *Unsinkable Molly Brown* with Debbie Reynolds
<http://www.youtube.com/watch?v=ZHq0QE6UOIY> (Movie Trailer)

Timeline Characters

Cooperation States and Regions Week 6

Zebulon Pike

Molly Brown

Joseph Smith, Jr.

Brigham Young

Luther Burbank

Map Study

Cooperation States and Regions Week 6

Four Corners

Continental Divide

Colorado

Cities:

Denver, CO

Mountains:

Rocky Mountains

Pike's Peak

Landmarks:

Royal Gorge

Garden of the Gods

Mesa Verde Nat'l. Park

Dinosaur Nat'l. Park

US Air Force Academy

Utah

Cities:

Salt Lake City

Lakes and Flats:

Great Salt Lake

Bonneville Salt Flats

Landmarks:

Mormon Tabernacle

Map Study

Cooperation States and Regions Week 6

Idaho

Cities:

Boise

Lakes:

Lake Couer d'Alene

Montana

Cities:

Helena

Landmarks:

Glacier Nat'l. Park

Wyoming

Landmarks:

Yellowstone Nat'l. Park

Grand Tetons Nat'l Park

Independence Rock

Nevada

Cities:

Carson City

Virginia City

Las Vegas

Landmarks:

Hoover Dam

Comstock Lode

Activities

Cooperation States and Regions Week 6

Monday: Landmarks, Nat'l. Parks,

145 (p.122) Find landmarks on US map.

147 (p.122) Review the national parks.

146 (p.122) Learn about Old Faithful.

Make a Continental Divide at your kitchen sink
by dribbling water on the center partition and
watch the water fill up both sides of the sink.
(Discovery project)

Continue working on capitals.

Rocky Mountain States and Capitals

Cooperation States and Regions Week 6

Colorado, Denver

Utah, Salt Lake City

Nevada, Carson City

Wyoming, Cheyenne

Idaho, Boise

Montana, Helena

Rocky Mountains

Cooperation States and Regions Week 6

- Major mountain range in US; runs 3,000 mi. from central Mexico through US into Canada.
- First seen by Coronado in 1540
- Revisited in 1804 by Lewis and Clark.
- Two tallest peaks at 14,418' are Mt. Elbert and Mt Massive; most well known peak is Pike's Peak.
- The Rockies natural resources:
 - gold, silver, lead, uranium
 - oil deposits
 - timber
 - coal
- Recreation contribute millions to the economy:
 - snow skiing
 - mountain climbing and hiking
 - fishing
 - vacationing

Old Faithful

Cooperation States and Regions Week 6

- **CONE GEYSER** in Yellowstone Nat'l. Park, WY.
- Named by explorer 1870.
- Each eruption blows superheated water 265°F (remember boiling water is 212°F) more than 100'-380' in air from 3' x 7' opening in earth
- Each eruption lasts for 1½ to 5 minutes
- Eruptions occur about 1 hour apart shooting 3,700 to 8,400 gallons of boiling water in the air (a gasoline truck holds 9,000 gallons).



Help Them Remember

Cooperation States and Regions Week 6

- **Make it hands on for retention**
- **Create a reference point**
 - **Use measuring**
 - **Use commonly known distances (a football field, tall as a door)**
 - **Use commonly known heights (a 10 story building or the ceiling in this room)**

Colorado Sights

Cooperation States and Regions Week 6`

- US Air Force Academy - Colorado Springs
- Royal Gorge - 1,250' narrow canyon in CO; (4 football fields deep); highest suspension bridge over water in world - 1,050'
- Garden of the Gods - Colorado Springs
- Dinosaur National Park



Dinosaur Nat'l Monument

Cooperation States and Regions Week 6

President Wilson designated land
between CO and UT around
discoveries of large numbers of
dinosaur bones a national park in 1915

RESEARCH

- Types of animal finds
- Photos of Esther
- Digs under roof

Mesa Verde

Cooperation States and Regions Week 6

- Features ruins of homes/villages built by Cliff Dwelling Indians in the 1200s in CO in the Four Corners area.
- Used caves and cliffs far above the canyon floor w/ added ceiling beams of wood and wall of adobe to create *pueblo*- stacked rooms like apartment complex
- Rooms built around *kiva*, a round room created by digging a hole in floor of the cliff and then adding a beam and adobe ceiling; accessed by climbing down a ladder to get in; a place for religious ceremonies.
- Farmed corn, beans, squash on *mesa* (table); *verde* (green).
- The Cliff Palace is the largest cliff dwelling containing 150 rooms and 23 *kivas* housed about 100 people
- Narrow tunnels are the only entrances to the dwellings; easily guarded by one man if attacked by another tribe; brave would straddle tunnel opening and tomahawk 1st enemy who then plugged up the tunnel
- UNESCO as a World Heritage Park.

Glacier

Cooperation States and Regions Week 6

- 1/10 of earth is glaciers; hold 75% world's water; Arapaho Glacier (small) supplies water for 75,000 people in Boulder, CO
- Form by snow flake (80% air) pressed until glacial ice (20% air) packed; but must move to be glacier
- Moves 1-2" to 130' per day; center faster than sides
- Inside glacier bends; top cracks forming crevasses
- Giant bulldozer carries soil/rock = till; till pushed mounds = moraines (Long Island); till in hills = drumlins (Bunker Hill)
- Erratics = boulders/pebbles carried far from origin; cirques = bowl shaped depressions on side mt.
- Grand Tetons and Lake Couer d' Alene formed by glaciers

Vocabulary

Cooperation States and Regions Week 6

Glaciers

Crevasse

Till

Moraine

Drumlin

Erratics

Cirque

Mesa Verde

Pueblo

Adobe

Kiva

Mesa

Verde

Potatoes

Horticulture

Hybrid

Resistant

Blight

Epidemic

Continental Divide

Cooperation States and Regions Week 6

- A line of mountains which forms a border between two watersheds
- Water falling on one side of the line eventually travels to one ocean
- Water on the other side travels to another on the opposite side of the continent. (Wikipedia)



Activities

Cooperation States and Regions Week 6

Tuesday: Bears and Smokey Bear

149 (p.122) Learn about bears.

150 (p.122) Differentiate the different kinds of bears.

151 (p.122) Define hibernation.

152 (p.122) Research "Smokey Bear"

153 (p.122) Discuss fire safety with your family. Make a fire using safety precautions.

Research Four Corners and Independence Rock and mark on your map.

Vocabulary

Cooperation States and Regions Week 6

Bears

Grizzled

Hump

Omnivore

Hibernate

Boar/sow/cub

Bear tree

Scat

Den

Big Horn Sheep

Ram/ewe/lamb

Wool/guard hair

Ruminants-4 stomachs/hooves

Cud

Band

Moose & Elk

Antlers

Rack

Palmate antlers

Velvet

Pedicle

Bell

Rut

Cast

Bull/cow/calf

Herbivores

Grizzly Bear

Cooperation States and Regions Week 6

- Once lived in west of Mississippi River; today in MT, WY, AK, and Canada; live 20-30 years
- Named from silvery white tips of fur that look "grizzled" or gray; male boar and female sow
- Hump on shoulders made of muscles giving strength for digging; claws are 4" long; 8'-10' tall standing
- Omnivore; eat 25-35 lbs. per day in spring; fall eat 100 lbs. a day for 6-10 of fat; eat berries, (200,000 per day), fish, roots, insects, nuts, honey
- Hibernate for 7 mo. in den they dug; no eat, drink or get rid of waste; heart rate slows from 90 to 10 beats per min.; sow give birth to 2-4 cubs weighing 1 lb.; stay with mother until 2 $\frac{1}{2}$ yrs.
- Shorter front legs for climbing/ running up hill; use trees to rub; may leave claw marks; scat is bear droppings²⁸

Teaching Tip

Cooperation States and Regions Week 6

Review

Review

Review

Grizzly Bear

Cooperation States and Regions Week 6

- Once lived in west of Mississippi River; today in MT, WY, AK, and Canada; live 20-30 years
- Named from silvery white tips of fur that look "grizzled" or gray; male boar and female sow
- Hump on shoulders made of muscles giving strength for digging; claws are 4" long; 8'-10' tall standing
- Omnivore; eat 25-35 lbs. per day in spring; fall eat 100 lbs. a day for 6-10 of fat; eat berries, (200,000 per day), fish, roots, insects, nuts, honey
- Hibernate for 7 mo. in den they dug; no eat, drink or get rid of waste; heart rate slows from 90 to 10 beats per min.; sow give birth to 2-4 cubs weighing 1 lb.; stay with mother until 2 $\frac{1}{2}$ yrs.
- Shorter front legs for climbing/ running up hill; use trees to rub; may leave claw marks; scat is bear droppings³⁰

Smokey Bear

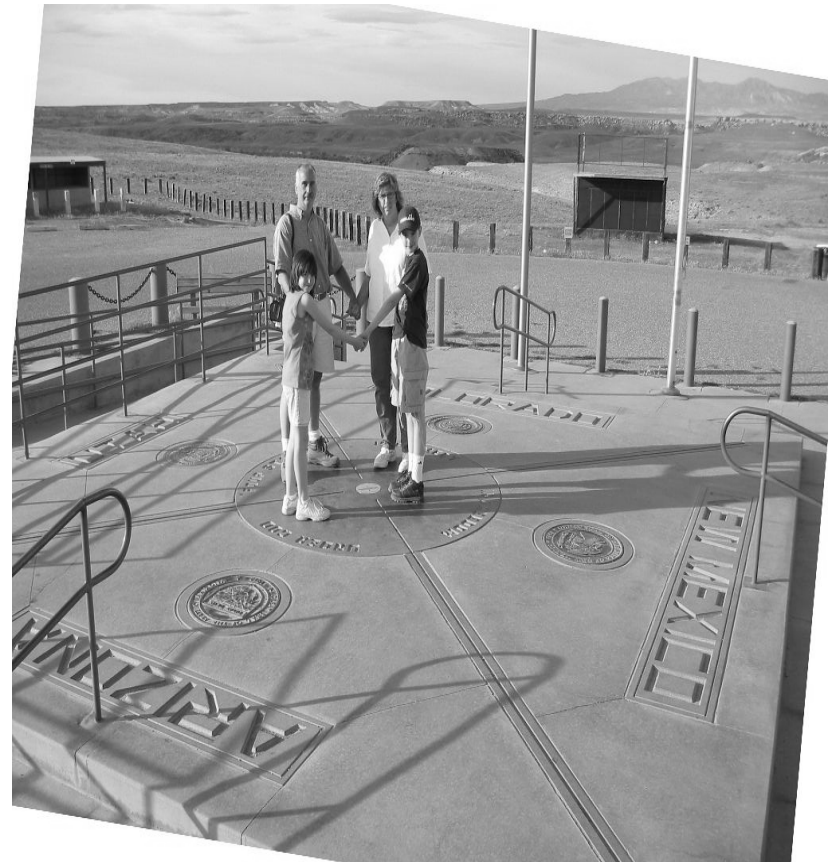
Cooperation States and Regions Week 6

- 1950 fire in Lincoln National Forest, NM; Fire crew found badly singed bear cub clinging a burnt pine tree; burned buttocks/feet; 1st named "Hotfoot," soon changed to Smokey Bear.
- Prior to finding Smokey, Forest Service, used posters as fire prevention campaigns.
- Popularity of campaign grew so great after the inclusion of Smokey, that in 1952 Congress passed law copyrighting name and image of Smokey Bear.
- Smokey given own zip code, due to amount of mail; Smokey Bear Club formed
- Study made of school children in US/some foreign countries to finish phrase "ONLY YOU;" more children completed "CAN PREVENT FOREST FIRES" than any other motto presented.
- Smokey permanent home at Nat'l Zoo in Washington D.C. ; 1962 female bear Goldie sent a Smokey's mate; no cubs born
- 1976 Smokey died and buried in small park in shadows NM mts.
- The present Smokey, now in the National Zoo, is also from the Lincoln National Forest.

Four Corners

Cooperation States and Regions Week 6

- Four Corners is the intersection of four state boundaries in the southwest United States.
 - Colorado
 - Arizona
 - New Mexico
 - Utah
- The members of this family are standing in 4 different states and holding hands at the same time. How could one person be in 4 states at once?



Independence Rock

Cooperation States and Regions Week 6

- Large granite rock in WY used as a landmark along Oregon Train
- Settlers tried to be to Independence Rock by July 4th so they could be past mountains before early snowfalls of autumn.
- Left messages carved in the granite to those coming behind.



Activities (cont'd 4)

Cooperation States and Regions Week 6

Wednesday: Mining, Moose, Elk, Big Horn Sheep

Research the history of mining.

Research the kinds of mining and how gold was separated from ore.

Pan for gold

Using aluminum pie pans, pan for gold in the creek or bathtub.

Read about the Comstock Lode.

Read about moose, elk and big horn sheep.

Finding Gold

Cooperation States and Regions Week 6

- 1848 gold discovered CA at Sutter's Mill began 1849 Gold Rush to CA
- Sam Brannan bought up all iron pans for 20¢ and sold for \$8; became a millionaire
- Horses formerly cost \$6 now cost \$300; loaf bread \$2; 1 egg \$3; tin of sardines \$16
- Methods included panning, cradles, long toms, sluices
- 1859 Gold Rush at Pikes Peak CO
- Huge influx of prospectors forced territory to set up govt. agencies to regulate mining activity; otherwise, gun was law
- Miners set up rules to stake a claim; cooperation was important; men finding \$100 to \$400 per day gold.
- Several lodes found.
- Since 1859, CO has yielded 45 million oz. of gold.

Mining Gold

Cooperation States and Regions Week 6

- Only companies w/ machinery could afford to set up mines for hard rock mining
- Mine shafts drilled vertically to intersect a diagonal vein; main shaft had elevator “cage” to raise a lower men, equip., ore; sump at bottom of shaft
- Tunnels dug horizontally from shaft to intersect diagonal vein at stope, (part of vein being dug out)
- At stope, miners reinforced tunnels and stopes w/ timbering and cubes known as square-sets which were floored cubes of timber stacked on top of each other
- Ore dumped into rail cars on tracks; sent down tunnel to main shaft; not every level had rail cars so holes cut in floor and a chute sent ore to rail car below³⁶

Processing Gold

Cooperation States and Regions Week 6

- Ore from mine brought to mill in rail carts
- Ore crushed by machines
- Stamps break into smaller pieces
- Vanners, wide rotating belts shake gold from rock
- Ore combined w/ chemicals and melted into paste in amalgamating pans
- Pure melted gold poured into mold to make gold bars

Vocabulary

Cooperation States and Regions Week 6

Early Mining

Gold Rush

Prospector

Panning

Washing

Rocker/Cradle

Sluices

Placer gold

Claim

Commissioner's office

Stake a claim

Grubstake

Claim jumping

Underground Mining

Vein-underground strips gold

Lode- vein at least 100'x 50'

"Mother lode"

Excavate

Stamp mill

Shaft

Sump

Tunnel

Stope

Rail cars

Chutes

Timbering

Vocabulary

Cooperation States and Regions Week 6

Mining tools, men, towns

Carbine lamp/candles

Pick ax

Sledgehammer

Bits

Black powder/Dynamite

“fire in the hole”

Miner's consumption

Drillers

Muckers

Blasters

Boomtown

Company town

Ghost town

Refining Ore

Hard rock mining

Stamp mill

Ore

Stamped

Vanners

Amalgamated

Assay

Comstock Lode

Cooperation States and Regions Week 6

- 1859 gold found Six-Mile Canyon, NV by two miners
- Lazy, untrustworthy Henry Comstock, claimed the find was on his property; McLaughlin and O'Reilly believed him; Comstock got part of the claim
- Miners prob. was sticky blue-gray mud; clung to picks
- When mud assayed, it was silver ore worth over \$2,000 a ton - in 1859 dollars!
- President Lincoln needed gold and silver to help Union; 1864 NV state although it did not have enough people
- Virginia City, NV became boomtown; George Hearst, father of William Randolph Hearst and others made fortunes in Comstock mining.
- \$306,000,000 worth of the metal in the 20 years following its discovery in 1859; one of richest silver veins in the world

Elk

Cooperation States and Regions Week 6

- One of the largest species of deer in the world.
Females weigh 450 lbs and males weigh 700 lbs.
- They eat 20 lbs of food a day, usually grasses (bark in the winter).
- Mature males grow huge antler racks (40 lbs) from spring to fall each year but cast them before winter.
- Bulls have up to 20 girlfriends in harem and will fight to defend his cows from other bulls.
- Bulls bugle
to ward off other bulls and
to attract the cows. They
also urinate on the underside
of their fur to attract cows!!



Mmmm

Moose

Cooperation States and Regions Week 6

- Largest of deer family 6' tall; weigh 850-1500 lbs.
living in WY, MT, ME, MN; winter has deep snow and
summer swarming insects and marshy ground
- Hooves spread apart as moose wades in water to eat
plants; long legs help move through deep snow
- Hollow hairs trap air to keep warm and help float;
great swimmers; can swim 15 mi.; cow can give
calf ride; bell flap of furry skin hangs from throat
- Herbivore; eats 60 lbs. plants a day; no upper teeth
- Palmate antlers (flat/palm-like) grow from pedicle spring to
fall each yr.; velvet carries blood to bone antlers; 4½'
wide; weigh 60-85 lbs.; cast after rutting season in
fall; grow bigger each yr.
- Cows usually have one calf that stays w/ them 1 yr.
- Moose are independent; not live in herd

Big Horn Sheep

Cooperation States and Regions Week 6

- Live in Rocky Mts. on rocky ledges; split hoof w/ outer edge of hoof hard/sharp cutting into earth; center of hoof spongy for traction; pinch rock
- Jumps 7' and can turn in mid-air and jump back; "King of the Mountain"
- Male horns curl; weigh up to 30 lbs.; difficult to see around; ewes smaller, straight horns; mating season males rear, charge, butt; if dizzy shake head and do again; occasionally knocked out cold
- Can see 5 mi. w/ amber eyes; can smell/hear almost as well; enemy cougar and eagle for lambs
- Body covered w/ wool and then guard hairs
- Eat grass 3 times day; ruminate and chew cud
- Live in bachelor and female bands; travel single file⁴³

Activities

Cooperation States and Regions Week 6

Thursday: Utah, Great Salt Lake, Brigham Young

159 (p.123) Find the Great Basin on your map.

160 (p.123) Learn about the Great Salt Lake.

161 (p.123) Experiment with floating objects in fresh water, salt water, and very salty water.

162 (p.123) Research why the Bonneville Salt Flats are named such.

163 (p.123) Dramatize a high-speed car test.

Read about Brigham Young and his roll in founding Salt Lake City.

Research and view the Mormon Tabernacle.

Great Salt Lake

Cooperation States and Regions Week 6

- Great Salt Lake has no outlet and is far saltier than sea water
- 3 rivers add around 1.1 million tons of more minerals in the lake each further salting it
- Because of unusually high salt concentration, most people can easily float
- Provides habitat for millions of birds/waterfowl, brine shrimp

Bonneville Salt Flats

Cooperation States and Regions Week 6

This area west of the Great Salt Lake is 159 square miles (almost 1 million football fields) of a bed of dense salt; almost perfectly flat; grows no vegetation.

Site of land speed records for since Teddy Tetzlaff broke the world record in 1914.

Cars have been going for the record at Bonneville ever since.



World's Fastest Cadillac



Thrust SSC 763 MPH

Current Record Holder

Hoover Dam

Cooperation States and Regions Week 6

- Arched dam 726 ft tall, 1244 ft. wide, and 660 ft thick, second highest dam in America.
- Built in 5 years at cost of \$49 million (\$736 million today).
- 112 people died during construction.
- Four 50 ft. tunnels were drilled through the rock to divert the raging river around the proposed dam site.
- Floor of riverbed and side walls of canyon were dug out with heavy equipment to reach clean, dry rock so the dam would sit on a strong foundation and attach to virgin rock on each side.
- Concrete was poured in 6 inch layers instead of continuous pour because the heat generated from such a large amount of drying concrete would have taken 125 years to cool.
- Cold or refrigerated water was piped through the concrete to keep it cool while drying.
- Hoover dam created Lake Mead; largest man-made lake in the US.
- Hydroelectric (hydro=water; electro = electricity) plant built at dam; supplies electricity for Southern CA.

Mormon Religion

Cooperation States and Regions Week 6

- Palmyra, NY, angel gives Joseph Smith golden tablets written in Egyptian hieroglyphic-type language; told story of people from Palestine coming to the new world in 600BC.
- 1830 Smith, the prophet of the Mormon faith, translates tablet into *The Book of Mormon* using 3 "seer-stones"; starts the Church of Jesus Christ of Latter Day Saints
- Smith believed Mormonism was a pure form of Christianity; preached good deeds and obedience to church leaders.
- Smith promised to build God's kingdom on earth.
- All Mormon men could become priests and rise to positions of power.
- Central governing body in the Mormon Tabernacle in Salt Lake City.
- Emphasis on the body as the temple of Holy Spirit.
 - No alcohol
 - No tea
 - No caffeine
 - No tobacco

Mormon Religion (cont'd 2)

Cooperation States and Regions Week 6

- Smith introduced polygamy, but quit practice in 1890; some polygamy still goes on today.
- Strong belief in moral living; strong families, hard work, not taking government handouts, church attendance.
- Afterlife of Three heavens:
 - Lowest heaven - adulterers, murderers, thieves, liars and other evil-doers; share in a glory and delight; their sins have been forgiven.
 - Middle heaven - good non-Mormons and those Mormons who were in some way deficient in their obedience to church commandments; will glory in the presence of Jesus Christ forever.
 - Top heaven - devout Mormons; go on to become gods and rulers of their own universes.

Brigham Young

Cooperation States and Regions Week 6

- 1832 joined Mormon faith and became devoted follower, named one of the Council of 12 Apostles, church committee 2nd in power to Joseph Smith; Top of Twelve.
- Received Mantle of Prophet," of the Church of Jesus Christ of Latter Day Saints (Mormons) after Smith died.
- Smith had been running for president of the US; a group of dissident Mormons published their complaints against Smith; Smith's followers smashed the newspaper; Smith and brother were jailed and later murdered by a mob.
- Moved 20,000 church members from IL, to UT to avoid local persecution because of polygamy practices
- Young had 55 wives and 46 children.
- Mormons built Salt Lake City

Brigham Young

Cooperation States and Regions Week 6

- 1847 Young was formally elected 2nd President of the church; appointed 2 other men as advisors; men formed First Presidency, church's highest ruling body
- Was appointed territorial governor of UT
- Established many towns in the territory; Univ. of Utah, BYU; built Mormon Tabernacle
- Opposed blacks becoming priests in Mormon Church and interracial marriage; promoted abstinence from tobacco, coffee, alcohol, and tea.
- 1857 accused of ordering the massacre at Mountain Meadows; 120 men, women, and children pioneers massacred by Indians and Mormons for crossing UT Territory from Arkansas to Oregon; Indians believed group poisoned them; later pardoned.
- Sent troops to ambush Fed. troops who were trying to relieve him of Governor's post; finally agreed to step down.
- Mormon church has 12 million members today

Discuss What is True

Cooperation States and Regions Week 6

- I have many Mormon friends
- I do not have to believe as my friends
- Go to the Word to examine all beliefs:
 - No works necessary
 - ❖ To thief on cross Jesus said, "Truly, I say to you, today you shall be with Me in Paradise." *Luke 23:43*
 - ❖ "For by grace you have been saved through faith; and that not of yourselves, it is the gift of God; not a result of works, so that no one may boast." *Ephesians 2:8-9*
 - Nothing added to Scripture
 - ❖ "I testify to everyone who hears the words of the prophecy of this book: if anyone adds to them, God will add to him the plagues which are written in this book; and if anyone takes away from the words of the book of this prophecy, God will take away his part from the tree of life and from the holy city, which are written in this book." *Rev 22:18-19*

Activities

Cooperation States and Regions Week 6

Friday: Idaho potato and Backpacking

166 (p.124) Visit a backpacking store.

165 (p.124) Go on a discovery backpacking trip.

169 (p.124) Bake an Idaho potato.

Potatoes

Cooperation States and Regions Week 6

- Potatoes are the world's fourth largest food crop, following corn, wheat, rice
- 1872 Luther Burbank, American horticulturist, trying to improve the Irish potato, developed a hybrid that was more disease resistant
- Introduced to Ireland to help combat potato blight epidemic
- Burbank sold rights to the Burbank potato for \$150; used money to established a nursery garden, greenhouse, and experimental farms in Santa Rosa, CA; famous throughout the world.
- Not until 1900 did Russet Burbank hybrid appear in Idaho and potato industry really took off

Permission Slip

Permission Coupon

Free pass to skip one activity
or other assignment
(Feel free to copy as often as needed)

Permission Coupon

Free pass to skip one activity
or other assignment
(Feel free to copy as often as needed)

Permission Coupon

Free pass to skip one activity
or other assignment
(Feel free to copy as often as needed)

Permission Coupon

Free pass to skip one activity
or other assignment
(Feel free to copy as often as needed)

Field Trips

Cooperation States and Regions Week 6

**To the backpacking
or outfitters store**

Suggestions for Dad

Cooperation States and Regions Week 6

- Teach fire safety at home and in the outdoors to your children and establish escape routes if the front door is blocked.
- Teach the Scripture verses to your children.
- Take the children hiking, rock climbing, or backpacking.
- Quiz the kids about elk, bear, moose, and big horn sheep.

Focus of the Week

Cooperation States and Regions Week 6

- Practicing the character trait of cooperation within the family
- Learning history and geography of the Rocky Mountain Region
- Learning the capital of each Rocky Mountain state
- Studying animals of the Rockies
- Learning about fire safety
- Researching about mining
- Understanding the Comstock Lode
- Writing a paper on mining
- Finding the Great Basin
- Learning about the Great Salt Lake and the salt flats
- Discovering properties of salt adding density to H₂O
- Learning the history of Utah and Brigham Young
- Researching the beliefs of the Mormon Church
- Learning about the Idaho potato
- Packing for campout and scaling an obstacle course

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Thanks,
Wade and Jessica Hulcy