Colorado History:

Creative Activities for Curious Kids

Phyllis J. Perry

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Special thanks to The Colorado Children's Museum for permission to reproduce Wrought Iron Grillwork Colorado State Capitol Maze, and to <u>Colorado Fever</u> for permission to reproduce Quick Draw, Puzzle, Ojo de Dios, Magpie Mobile and Song, Goldrush's Puzzle, Dot to Dot Puzzle, Make Your Own Brand, and Colorado Jack's Card Trick. Much of the art was contributed by Dian Diggs.

Some of the activities in this manual are based on: *Colorado Sourcebook*, compiled by Richard Knowles and Evelyn D. Scott (Hi Willow Research and Publishing, 1994). This book is designed for teachers and is a collection of fascinating facts and stories from Colorado's past and present with more than 200 reproducible articles about history, people, culture, and government of Colorado. Contact the publishers for pricing. Also available is *Colorado Stories to Read, Read Aloud, and Write*, collected by Richard Knowles (Hi Willow Research and Publishing, 1994). This collection contains compelling stories from Colorado's past plus dramatic pen-and-ink drawings of historic scenes that make excellent story starters for students.

Phyllis J. Perry, Ed.D., is the author of 16 books, including *A teacher's Science Companion* (McGraw Hill) and *A Look at Colorado* (Pruett). She has 27 years of experience in public education.

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Education

Name		Date	
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EDUCATION

1.	A famous mining school, The Colorado School of Mines, is located in what city?
2.	In what year was building supposed to begin on the University of Colorado in Boulder?
3.	In what year was Old Main completed?
4. 5.	What two things does a student earn on completion of the four year course of study at the Air Force Academy?
6.	In what year did Congress authorize the creation of the United States Air Force Academy?
7.	What school of theology is located in Denver?
8.	What Boulder schoolteacher helped the citizens build one of the first schoolhouses in Colorado?
9.	What two men besides Marinus Smith gave land for the University to build on
10.	in Boulder?

Metropolitan State College	Iliff School	George Andrews	Boulder
Bachelor of Arts degree	Abner Brown	Anthony Arnett	Denver
Bachelor of Science degree	commander	1954	1958
Master of Arts degree	Joseph Sewell	John Routt	1877
Loretto Heights College	Golden	Greeley	1861
The Colorado School of Mines	second lieutenant		

	Education
Name	Date
SOME THINGS YOU MIGHT LIKE T	O DO
☐ If there is a college or university in you it. When was it built? What special kinds many students attend? Report what you lecture.	of study does it offer students? How
☐ Find pictures showing buildings of the find pictures of the stadium, the observathe library, the Student Union, and classyour class.	atory, Mary Rippon outdoor theatre,
☐ Find out what you can about the Unit can attend? How do you go about being a studied by the students? Share what you	admitted? What sorts of subjects are
☐ Joseph Sewell was the first president out more about him. Who was he, and president? Who is now the president of t with your class.	what did he do during his term as

Government	
Data	

Name _	Date	

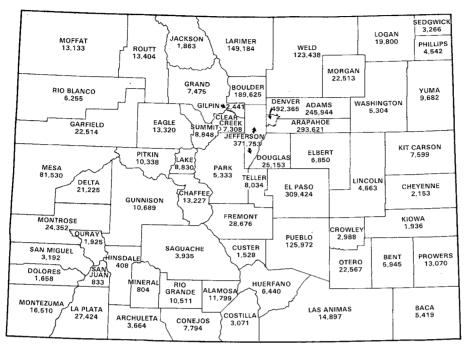
GOVERNMENT

Study the charts on the next two pages. Use that information to answer the questions below.

1	Which county in Colorado has the largest land area?
2	How many square miles does the largest county in Colorado have?
3	Which county has the highest population?
4	What was the 1990 population of the largest county in Colorado?
5	Where does Boulder County rank among other state counties in population?
6	Which county in Colorado had the smallest population in 1990?
7	What was the 1990 population of the smallest county in Colorado?
8.	What Colorado county ranks second in population?
9.	What Colorado county ranks second in size?
10	Where does Jefferson County rank in population?

Government



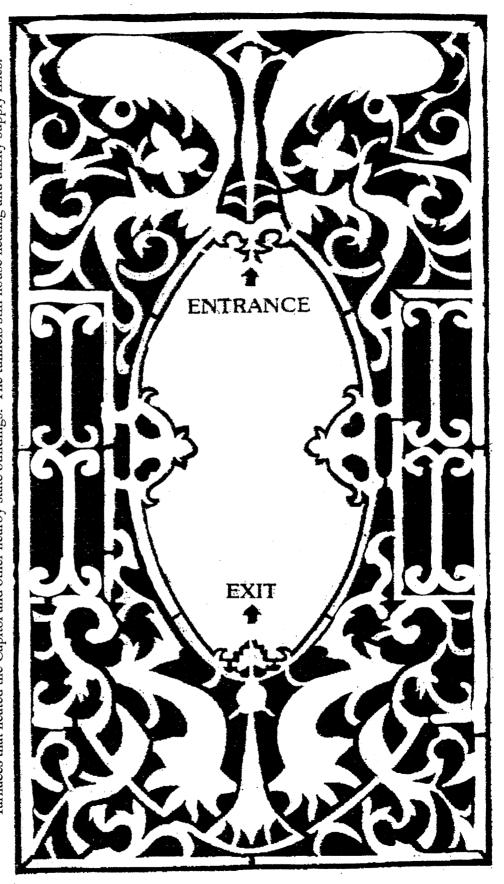


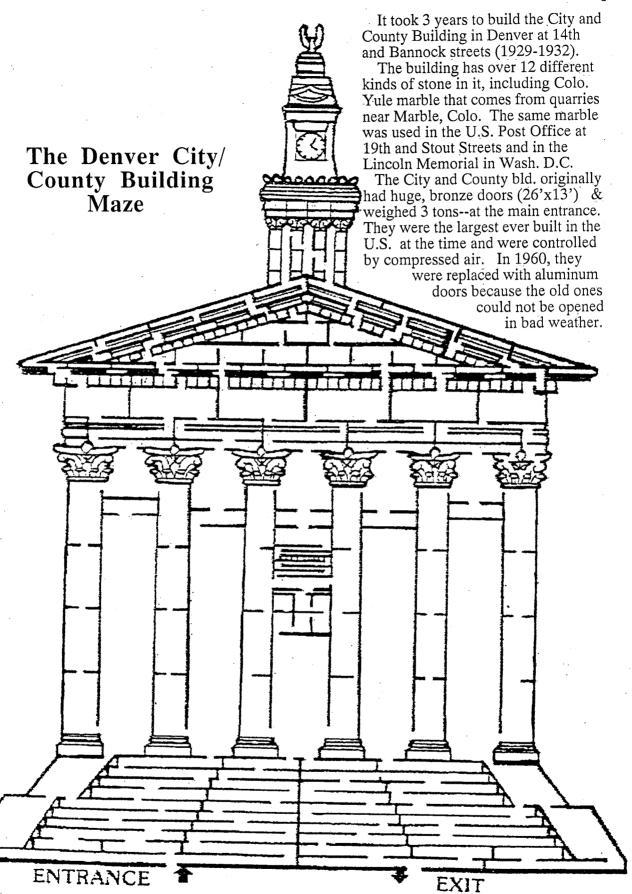
SOME THINGS YOU MIGHT LIKE TO DO

Make a key to go with the above map. Use your key to show some interesting things about counties in Colorado. You might do some of the following: put a gold star in the county that is the State Capitol, color the county with the largest land area brown, color the five counties with the biggest populations orange.
\square Invite one or more city or county officials to speak to your class and explain what is involved in their government job.
\square If it is close, arrange to visit the State Capitol Building. If it is not possible to visit, try to find pictures of the Capitol Building. Read about it and share your information with the class.
☐ Remember that you also have senators and representatives in Washington, D.C. If you have questions you would like to ask them, have your teacher help you find their addresses so that you can write to them.
☐ Many government officials are elected by the people. Find out more about voting. Who can vote? Where do people vote? When is the next election? How are the votes counted? Who works at the places where people vote? Report on what you learn about voting to the rest of your class.

Wrought Iron Grillwork Colorado State Capitol Maze

This frilly-looking maze comes from wrought iron grillwork on the doors of Colorado's State Capitol Building. The Capitol sits found anywhere else in the world. The tunnels under the Capitol had railroad tracks that carried cars filled with goal for the on 10 acres donated in 1874 by Henry C. Brown who built the Brown Palace Hotel. Construction of the Capitol took 22 years and included a number of unusual features: underground tunnels, a gold dome (covered with gold leaf made from 200 ounces of gold donated by Colorado miners), and rare, rose onyx from Beulah, Colorado. No other such rose-tinted onyx has yet been furnaces that heated the Capitol and other nearby state buildings. The tunnels still house heating and utility supply lines





Es	tes	Pa	rk

Name Date

ESTES PARK

1.	Who was the first settler in Estes Park?
2.	In what year was Estes Park first settled?
3.	In what newspaper was there a story about Longs Peak that brought many hunters and mountaineers into the area?
4.	What woman climbed Longs Peak in 1873?
5. .	How much did an acre of land in Estes Park cost in 1872?
6.	For what reason did the Earl of Dunraven want to buy Estes Park?
7.	Who would not sell his land to the Earl of Dunraven?
8.	Who built a famous hotel in Estes Park?
9.	What was a Stanley Steamer?
10.	What was Rocky Mountain Jim's real name?

Michael Hollenbeck	Joel Estes	James Nugent
Denver Post	Rocky Mountain News	Daily Camera
automobile	stagecoach	railroad engine
Mrs. Evans	Isabella Bird	hunting
farming	Earl of Dunraven	horse racing
Stanley	James Bridger	\$1.25
Enos Mills	\$500	Sanborn
1860	1872	1890
Rocky Mountain Jim	Griff Evans	John Powell

	Estes Park
Name	Date
SOME THINGS YOU MIGHT LIKE T	TO DO
☐ Read about some of the early settlers on what you learn. Maybe you could find Rocky Mountain Jim, or Joel Estes.	
☐ Isabella Bird was an interesting won her book, <i>A Lady's Life in the Rocky Mo</i> to the class.	•
☐ Find a picture of an early Stanley Stea what you learn with your class.	mer. Make a drawing of it and share
☐ Find out more about the town of Es many people live there? What do the peliving? Share what you learn in an oral or w	eople who live there today do for a
☐ Some of the early newspapers in Cosettlers in the 1800s still exist today. Fin oldest newspaper in or near your town. It the same name now that it did at first? the class.	d out more about the history of the When did it begin? Does it still have

	Rocky Mountain Park
Name	Date
Rocky Mountain National	Park
	ty, regional, state, and national parks. s "greenbelts," "open spaces," national to below some of the reasons why you and for parks. Then write a paragraph
M E ' D I	
My Favorite Park:	

	Rocky Mountain Park
Name	Date
SOME THINGS YOU MIGHT LIKE TO DO	
☐ Get a pamphlet on Rocky Mountain National Pathe park. Make a written or oral report to your classlearned.	
☐ Longs Peak is the most famous mountain in F Park. Find out more about this peak. Get a photog you talk with someone who has climbed it? Sha written or oral report to the class.	raph of it if you can. Can
☐ If there is a mountaineering store in your town, a in to talk about the special equipment that is used fin the mountains.	
☐ Perhaps a member of the Rocky Mountain Rescu Mountain Club would visit your class and talk or safe use of Colorado's parks and mountains.	-
☐ Trail Ridge Road is the highest continuous high Try to find out more about when and how it was b to the class.	
☐ Make a drawing or a raised salt and flour map of Park. Indicate on it some of the high peaks, lake Share it with your class.	
☐ The Great Sand Dunes National Monument in C spot. See if you can get pamphlets and pictures of map. Share your information in an interesting repo	the area. Locate it on the

All Marie Control of the Control of	The Fourteeners
Name	Date
SOME THINGS YOU MIGHT LIKE	E TO DO
mountains in Colorado over 14,000 fee	Colorado, locate as many of the 53 et high that you can. Perhaps you could ndicate the location of the mountains levation of each.
	mber to discuss the special equipment at is used in making the ascent of some
	nich measurements are taken of high e about the Hayden Survey team during the class.
	photographs of Colorado's high peaks. g it to class to share the photographs ou learn.

3.542 5.54		High Technology
Na	me	Date
Hi	IGH TECHNOLOGY	
Ans	swer the following questions briefly.	
	What are some ways in which life in Colorado hundred years ago?	today is like it was one
2	In what ways is life in Colorado today very diff	erent from the way it was
	one hundred years ago?	orom mom une way to was
	Imagine that you are a member of a city council. You whether or not to allow a new corporation to be city. What are three questions you would ask a	ouild a big plant in your
	Give three reasons why you think so many hig have built in the greater Denver area.	h technology companies
	If you could choose one of the following period which to live, which would you choose and w 1900-1910, 1950-1960, 1990-2000.	

SOME THINGS YOU MIGHT LIKE TO DO

- Write to the public relations division of a Colorado Corporation and ask them to send to your class information about the company. Share what you learn with your classmates.
- See if it is possible to take a field trip to one of the computer manufacturing companies in your area, or to have a representative from one of the companies visit your classroom to give a demonstration of the products that they make.
- Put up a bulletin board display in which you compare and contrast life in Colorado in the 1880s with life in the 1990s. Consider such things as: homes, clothing, food, school, entertainment, jobs and industries, and ways of travel.
- Prepare a short debate for your classmates. First agree what product is made at The Brand New Company. Decide how many employees would work there. Then have two class members present reasons why a city council should allow The Brand New Company to build a plant at the edge of your town. Have two other classmates argue why the city council should not allow The Brand New Company to build there.
- Suppose that you are given the job of writing a letter. It will be sent to colleges all over the country. Your letter is supposed to make young engineers want to move to Colorado to work in a high technology company. What would you say to encourage them to come to Colorado?
- New companies spring up to build new products. Design a product for the future. It can be anything that you can imagine. In some way, share your ideas for your product with the class. Perhaps you will have an advertising campaign. You may have a slogan. Maybe you will make a drawing or model to show what your product is or can do.

Farli	oet l	l ifa	in (Colo	rado
rarii	esu	LIIC.	111 7	COIC	macici

EARLIEST LIFE IN COLORADO

1.	What does Mesa Verde mean?
2.	Who were the first people that we know about who lived in Colorado?
3.	Who made baskets so tight that they would hold water?
4.	Who built their homes in the sides of cliffs?
5	
6.	What was one animal the plains Indians hunted?
7.	Who was a famous Ute Chief?
8.	Which two tribes of Colorado Indians lived on the plains?
9.	What Indian reservation is in southwestern Colorado?
10.	What was the name of the dried buffalo meat which was a main food of the plains Indians?

jerky	Cliff Dwellers	Southern Ute Indian Reservation
yucca	green table land	turkeys
Folsom Man	pheasant	Basket Makers
wheat	chickens	Yuma Man
corn	Arapahoes	Cheyennes
Kiowas	Pawnee Chief	deer
Cheyenne Chief	Ouray	

Earliest	Lıje	ın	Colorado
Data			

Name	Date		
	_		

SOME THINGS YOU MIGHT LIKE TO DO

- Find out more about Mesa Verde. Make a mud or clay model of the Mesa Verde Indians' homes or kivas.
- Find out more about the Indian tribe of Colorado: Utes, Arapahoes, Pawnees, Cheyennes, Comanches, and Kiowas. See if you can find some of their symbols and designs.
- Perhaps you could made some Indian pottery. You might want to try to make a coil pot. You could paint it with Indian designs and symbols.
- Have you seen some beautiful Indian weavings? Could someone with a table loom or hanging loom come to demonstrate and help your class do some weaving?
- Is there a museum nearby where you might be able to visit or have someone bring in examples of Indian basket weaving? Could you find out more about the basket-making materials that Indians used and the designs they made?
- Do you know someone with an arrowhead collection? Can you find out more about Folsom Point, Yuma Point, or the atlati to share with your classmates?
- Find out when an Indian Pow Wow is taking place in your area and plan to attend or have some Native Americans come to your class and demonstrate some of the celebrations of a Pow Wow.
- Find in the library some information on prehistoric animals that lived in Colorado. Draw or make clay figures of them and place them on a map of the area at that time.

Expl	ora	tion	to	Stat	teho	od
------	-----	------	----	------	------	----

Name Date	
-----------	--

EXPLORATION TO STATEHOOD

1.	Who may have visited Colorado in 1541?
2.	In what year did Zebulon Pike explore Colorado?
3	What was Longs Peak first named?
4	When did Mexico become free of Spain?
5.	What was the name of the famous trail over which trappers and traders came into New Mexico?
6.	Who were the Fifty-niners?
7.	What was the name of the battle in 1864 where so many Indians were killed?
8.	In what year did Colorado become the 38th state?
9.	What nickname does Colorado have?
10.	Who was the first governor of the state of Colorado?

Jerome Chaffee	Pikes Peak	Two Ears Peak
1876	1821	Mt. Elbert
Sand Creek	1776	gold seekers
Coronado	Denver	cattlemen
Santa Fe	1806	Centennial State
Rivera	Gold State	John Routt

Exploration to Statehood Name _ Date SOME THINGS YOU MIGHT LIKE TO DO ☐ Find out more about the early explorer, Coronado, and report what you learn to the class. Perhaps you could make a map of Coronado's travels. Find out more about the Santa Fe Trail. Be able to show on a map of the United States just where this trail went. Draw a map of the Santa Fe Trail or of some other famous overland trails that explorers followed when they came west. ☐ Longs Peak is a famous mountain in Rocky Mountain Park. Find out more about it and report to the class. Perhaps you can find a photograph of the peak to share. ☐ Learn more about John Routt, the first governor of Colorado. Write what you learn in an interesting, short report to share with the class. ☐ Make a time-line of the history of the State of Colorado from 1541 to the present. Use pictures on your time-line to show when famous events happened. ☐ Much land was added to the United States of America through the Louisiana Purchase. Colorado was only a part of the land included in this purchase. Find out what part of the United States was included in this purchase made from France and show the area known as the Louisiana Purchase on a map of the United States. ☐ Jerome Chaffee and Henry Teller were chosen for the important jobs as first senators from Colorado. Find out more about these two men. What had they done which made people think that they would be good senators? Write what you learn in a short report to share with the class. ☐ There were many arguments and battles over where the boundaries should be set between Mexico and Colorado and between Mexico and Texas. Find out more about the history of these border battles and report what you learn to the class. ☐ Make some puppets to represent early explorers. With some friends, plan a puppet show for your class. Have the puppets talk about what they see in this

new part of the country.

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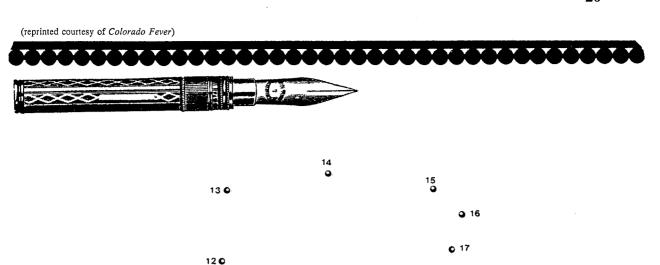
Name	Date	
I	Date	

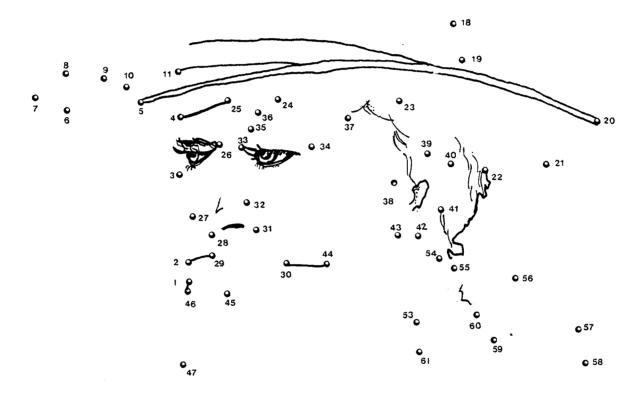
BENT'S FORT

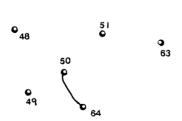
1.	Which one of the Bent brothers decided to stay on and be a trapper and trader near Santa Fe?
2.	Who joined with the two Bent brothers in building Bent's Fort?
3.	In what year was Bent's Fort built?
4.	What was the main building material used in making the Fort?
5.	What was just outside the main part of Bent's Fort?
6.	What was in the courtyard of Bent's Fort?
7.	What two other forts were built as trading centers in the 1830s?
8.	Who was governor of Santa Fe for a short time?
9.	With what country did the United States go to war in 1846?
10.	In what year did William Bent blow up his fort?

William Bent	Charles Bent	Kit Carson
Ceran St. Vrain	1829	1833
Mexico	France	United States
1837	1849	1859
adobe	wood	stone
Fort Lupton	Fort Vasquez	Fort Worth
farms	corral	forest
statue	well	church

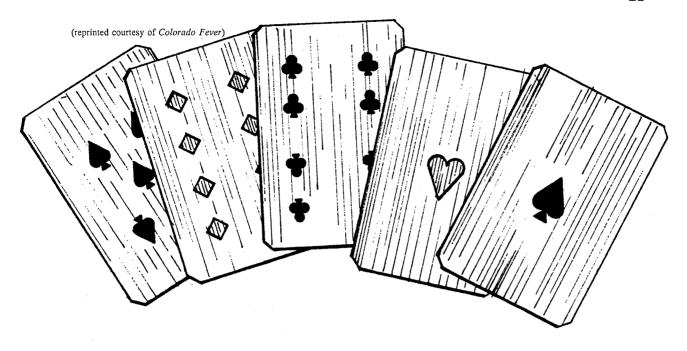
	Bent's Fort
Name	Date
SOME THINGS YOU MIGHT LIKE TO DO	
☐ Draw a picture of Bent's Fort. Include as many your drawing with the class.	details as you can. Share
☐ Make a model of Bent's Fort. You might make it or clay. Display your model for the class to see.	out of cardboard, oak-tag,
☐ Find out more about Ceran St. Vrain, who ow brothers. There are mountains and rivers in Colo this man. Write what you learn in a report to share	rado that are named after
☐ Write a page for a diary in which you imagine a wagon train headed for Oregon and have made Fort before going on. What sorts of things might you Fort?	a short rest stop at Bent's
☐ Find out more about the history of the town of report sharing what you learn. In your report, income States showing the location of Santa Fe.	
☐ Find out more about Fort Lupton or Fort Vasqu the 1830s? What happened to these forts? Can ye Gather your information and share a report on the	ou find pictures of them?







QUICK DRAW



COLORADO JACK'S CARD TRICK

- 1. Without letting anyone see you, look at the bottom card in the deck. Remember what the card is, then place the deck of cards face down on a table.
- 2. Ask a friend to take any card from the deck without showing the card.
- 3. Tell your friends to remember the card and then place it face down on top of the deck of cards on the table.
- 4. Now ask your friend to cut the cards.
- 5. Cut the cards once again.
- 6. Now look through the deck of cards to find your friend's secret card.

SECRET: You will find the secret card to the right of the card you remembered from the bottom of the deck. It gets into this place the first time the cards are cut. The second cut of the cards does not change the order of those cards in the deck.

	rarming and Kanching
Name	Date
Farming and Ranching	
Imagine that you are a rancher in early Colorado First design a brand for your cattle. Draw it below Then write about one day in your life as a cowboy Make it exciting! Show what you know about Colorado history.	• •
	•

and the second of the second o	Farming and Ranching
Name	Date
SOME THINGS YOU MIGHT LIKE TO DO	
☐ Invite a farmer to come to your class and share crops.	re information about raising
☐ Invite to your class a rancher to tell about the	e raising of animals.
☐ If there is a ranch, farm, nursery, or greenh school, see if you can plan a field trip.	ouse in the area near your
☐ Find out more about a crop in which you are as sugar beets or Rocky Ford cantaloupes. Report v	
☐ Texas Longhorn cattle are an interesting part what you can about these animals. Draw a longh drawing and an oral or written report with the c	orn on art paper. Share your
☐ You may have heard something about the bat sheepmen. Try to find information about these rarranchers able to get along? Make a written or oral what you learn.	nge wars. Why weren't these
☐ Although many rivers begin in Colorado, there water. Learn more about how farmers irrigate the you learn to your class.	9

PUZZLE

Puzzle Directions:

Find the words that are listed from 1 through 23 and circle them. You may use a letter more than once but not every letter is used. The words may be found

horizontally, diagonally, vertically, frontwards or backwards.

Good Luck!

									-		
В	R	0	N	С	Α	Y	U	S	Е	S	M
R	U	С	G	F	0	E	D	О	R	Т	Α
Α	S	N	F	P	О	K	Е	w	Α	R	V
N	Т	I	K	M	E	V	K	R	Н	A	Е
D	L	D	J	Н	P	A	0	A	E	I	R
I	Е	K	T	L	0	Q	0	N	D	L	I
В	R	F	R	N	L	U	P	G	Е	S	С
R	E	0	I	P	S	E	S	L	P	E	K
Α	A	D	U	M	Е	R	P	Е	M	I	Т
Н	U	I	Q	V	A	0	U	R	A	G	w
M	IJ	S	Т	Α	N	G	R	В	T	0	С
Α	L	A	R	I	A	Т	S	X	S	D	Ş

- 1. bunkhouse cowboy's living quarters
- 2. poke buckskin bag for cowboy to carry his money
- 3. brand ownership mark on hide of cattle
- 4. mustang hardy wild horse
- 5. stampede herd of animals out of control
- 6. rustler cattle and horse thief
- 7. spurs metal spikes on boots
- 8. lariat rope used by cowboys
- 9. cayuse Indian pony; western pony
- 10. maverick unbranded stray animal
- 11. quirt leather riding whip made by cowboys
- 12. si yes in Spanish

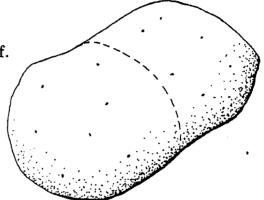
- 13. trail road for driving cattle to market
- 14. Iliff famous Colorado rancher
- 15. rodeo competition of cowboys in roping and riding
- 16. bronc small, spirited horse
- 17. Brahma bull
- 18. lope slow, easy gallop
- 19. dogie orphaned young cow
- 20. vaquero Mexican cowboy
- 21. remuda string of horses for extra mounts
- 22. spooked restless cattle on trail
- 23. wrangler man in charge of remuda

Craft Activity: Make Your Own Brand

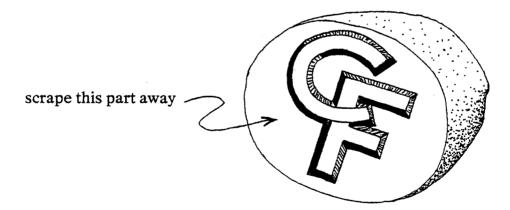
You may not own hundreds of head of cattle the way Charles Goodnight did, but you can design your own distinctive brand just as he did. You might want to use one or more of your own initials for your personal brand.

Here's an easy way to make a brand:

1. Select a potato or apple; carefully slice it in half.



- 2. Now draw your brand design on one of the flat surfaces with a pen.
- 3. Next, carefully cut or scrape away the pulp around the initials, so that the design is raised about ¼ inch. Be careful not to cut yourself!



4. Now you're ready to use your brand. Get an ink pad or bottle of roll-on ink and carefully cover the raised design with ink. Then test your brand out on a piece of paper. Add more ink if needed until the design comes out as dark and as clearly as you want. You might also try experimenting with different colors of ink!

You can now use your new brand to identify your own private "stock" — note-books, books, t-shirts — use your imagination! For more permanent brands, you might like to try using corks, although cork is harder to carve. Have fun!

4. What were the steps a trapper went through to setting beaver traps?

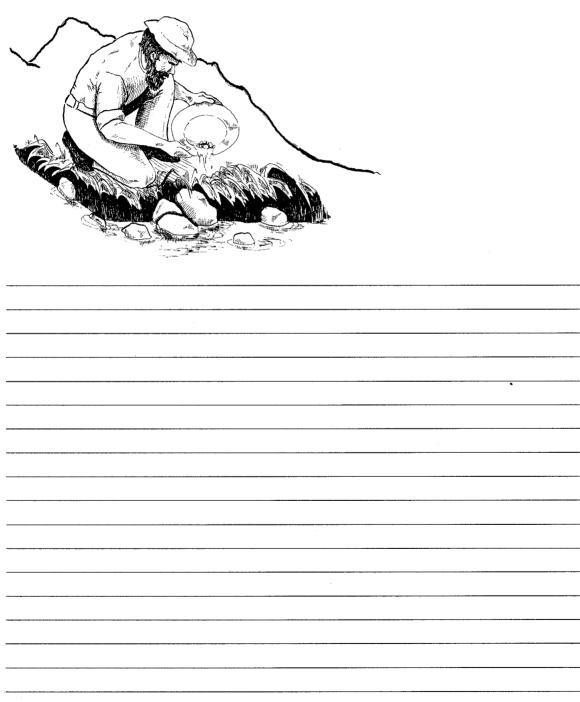
5. How did trappers dry their beaver skins?

	Trappers
Name	Date
SOME THINGS YOU MIGHT LIKE TO DO	
☐ Draw a picture of the famous beaver hat worn in the 1600s. Use an encyclopedia or other refere of these hats.	• •
☐ Find out what you can about beavers. Make a beavers, beaver dams, and lodges. Draw a picture of report. Be sure you know how big and how heavy	of a beaver to go with your
☐ Find out more about the equipment used by ear find pictures of the kinds of traps they used. Sho to the class, or make a detailed drawing of a beau	w some of these pictures
☐ One of the most famous of the early trappers wimportant scout as well as hunter. Read to find out Share your findings with the class in an oral or windings.	t what you can about him.
☐ Find out more about the important fur-trading When was it built? Who used it? What happened findings to the class.	-
☐ The early mountain men were very interesting been written about the trappers and traders. Pick that you would like to learn more about. Read ab class what you learn.	out one of these people
☐ Some animals are still trapped in Colorado. Writ Department of Game, Fish and Parks in Denver for in of Colorado. Report to the class on what you learn.	
☐ Make a painting, drawing, or model of a trading	rendezvous to share with

	Mining
Name	Date

MINING

Write a story about this miner. It need not be a true story, but try to tell how you think a real miner would have lived during the early days of gold strikes in Colorado.

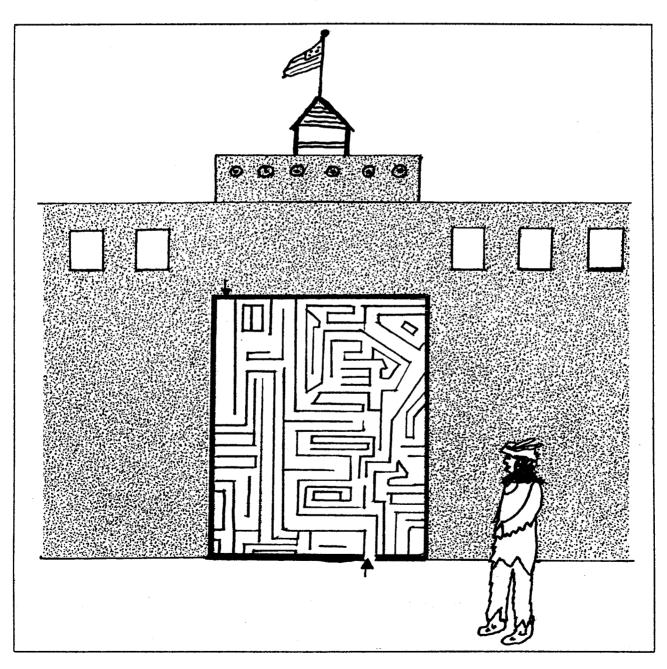


Milling
Name Date
SOME THINGS YOU MIGHT LIKE TO DO
☐ If there is a miner or a mining engineer in your community, ask if he or she can visit your class and tell you more about mining.
☐ Many interesting tools and pieces of equipment were used by the old-time miners. Find out what you can about these from reference books. Draw pictures of some of the tools they used, and share these with your class.
☐ Make a model of a mine. Show the hoist which was used for lifting up the ore or show the ore cars and the tracks leading into the mine. Maybe a machine shop or a rock crusher is nearby. Study pictures of mines before you try to make your model.
☐ Find out all you can about H.A.W. Tabor. Make a written or oral report to the class on his life.
☐ Find out all you can about Baby Doe Tabor. Make a report to the class sharing what you learn.
☐ Use puppets to act out a scene in which a gold hunter who has been "grubstaked" comes back to town to tell about his lucky strike. Plan the dialogue. Then rehearse and finally share the scene with the class.
☐ See if you can find photographs or other information to share with the class about the opera houses which Tabor built in Leadville and in Denver.
☐ Learn more about molybdenum and the mining operation at Climax. Report what you learn to your class.
☐ If you have been making a time-line of Colorado history, be sure to add some of the famous gold and silver strikes to your time-line.
☐ It is not easy to understand the "Silver Panic" but find out from reference books what you can about it. Try to explain to your class what happened during this panic

GOLDRUSH'S **PUZZLE**

The Mountain Man Maze

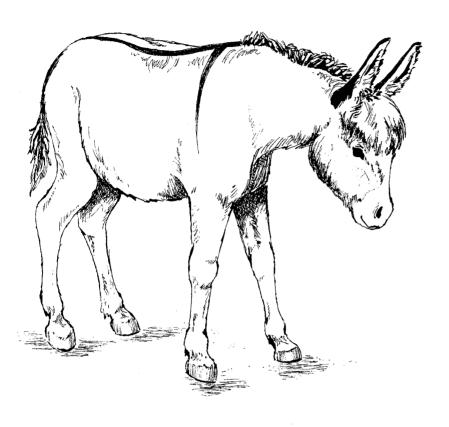
A - maze the mountain man! Find your way into the fort!



Rocky Mounta	in Can	aries
--------------	--------	-------

Name	Date	
III		

ROCKY MOUNTAIN CANARIES



Here is a picture of a burro. Write a story about a miner in Colorado and his burro. Be sure to include in it things you have learned about early days of mining in Colorado.

	*	
•		

	Rocky Mountain Canaries			
Name	Date			
SOME THINGS YOU MIGHT LIKE TO DO				
☐ Find out more about the way burros worked in did they do? What special equipment did they us you learn.				
☐ Fairplay is an interesting Colorado town. Learn what it is like today. Make a map of Colorado and cated. Share what you learn with your class.	· ·			
☐ Bum and Shorty were special animal friends. Usin which Bum comes to a home to beg food for hearse your show. When it is ready, share it with your show.	himself and his friend. Re-			
☐ Make a shoe box diorama or a model of a min work. Be able to explain to your class what is happ				

The Iron Horse

Name	Date	
	Dute	

THE IRON HORSE

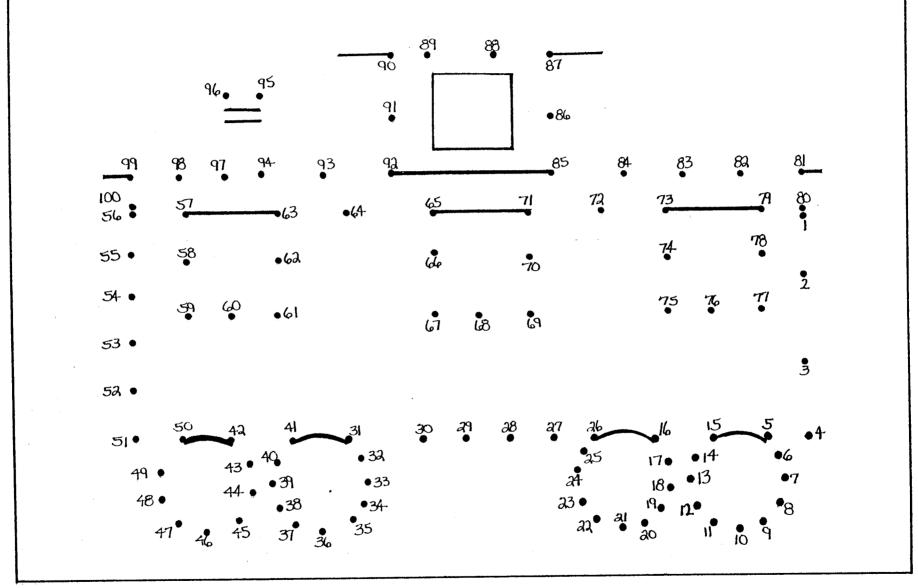
1.	What did the Indians call the railroad engine?
2.	Which was the first transcontinental railroad?
3.	Which was the first railroad to come to Denver?
4.	Who organized the Denver and Rio Grande Railroad?
5.	Who built the Denver, Northwestern, and Pacific Railroad?
6.	How high is the pass at Corona?
7.	For what man was a famous Colorado railroad tunnel named in 1928?
8.	What do we call railroad tracks which have only about three feet between rails?
9.	What kind of tracks were built for railroads crossing the plains of Colorado?
10.	What are some of the old railroad grades now?

Choose your answers from these:

Otto Mears	14,000 feet	Indians
Rocky Mountain Canary	H.A.W. Tabor	11,660 feet
cattlemen	Denver Pacific	William Palmer
6,552 feet	roads	Union Pacific
David Moffat	Southern Pacific	four
standard gauge	Kit Carson	narrow gauge
three	Iron Horse	

The state of the s	The Iron Horse
Name I	Date
SOME THINGS YOU MIGHT LIKE TO DO	
☐ Read about the building of the first transcontine United States. Report what you learn to the class.	ental railroad across the
☐ If you have been keeping a time-line of Colorad in which the first transcontinental railroad was com	
☐ Driving the "Golden Spike" that completed the rethe United States together was a big moment in lepictures of the event. Try to find and share a picture might want to act out the ceremony with a small grant rehearse the scene and present it for the rest of your	history. There are many ure with your class. You oup of friends. Plan and
$\hfill\Box$ Find out more about David Moffat and the Mof you learn to the class.	fat Tunnel. Report what
☐ Make a written or oral report about Otto Mears early Colorado railroads. Share this with your class.	
☐ The Indians called the railroad engine the "Iron Hake you think of? Write a poem in which you describe to you. Make an illustration to go with your poem it your class.	cribe what a train means
☐ Railroads still play an important part in Colorado of the United States showing where the major railroady you can about modern railroads and what they do learn with your class.	ad lines run. Learn what
☐ Many famous ballads are sung about work on the of your music teacher, see if you can find records to share with your class. Perhaps you can learn to see	or tapes of these ballads

Dot to Dot Puzzle



	Denver
Name	Date

DENVER

It is an interesting tradition that when the cornerstone is laid for an important building, people include in the cornerstone small items which they think are significant. In 1890, a Bible, an American flag, a copy of the Declaration of Independence and a copy of the Constitution of Colorado were put into the cornerstone of the capitol building in Denver.

With your class, create a time capsule at your school and bury it in some place (perhaps near the flagpole) to be opened at the end of your senior year in high school. What will you include? How can you protect your time capsule from the elements while it is buried for some years? List your plans below.

	Denver
Name	Date
SOME THINGS YOU MIGHT LIKE TO	DO
☐ If you live in or near the city of Denver, the interesting spots on a field trip to the city are: The zoo, The Museum of Natural Hist Capitol Building, The State Historical Society ver Art Museum, or the Mint.	tory, The Botanic Gardens, The
☐ A mint is a fascinating place. Find out mints where United States coins and current Denver Mint been in operation? What kinds a report to your class, sharing the informati	acy are made. How long has the of money are made there? Make
☐ If someone has a coin collection, invite thave the collector point out the mint marks cortain coins valuable.	•
☐ Denver is called the "Carnation Capital of how carnations are grown and marketed. Why Share the information that you learn in a writte	are so many grown in Colorado?
☐ Find pamphlets and other information all what you can about the gilded dome, carve special ceiling in the building. If possible, outside of the capitol. Share what you learn it class.	d doors, wall paintings, and the find pictures of the inside and

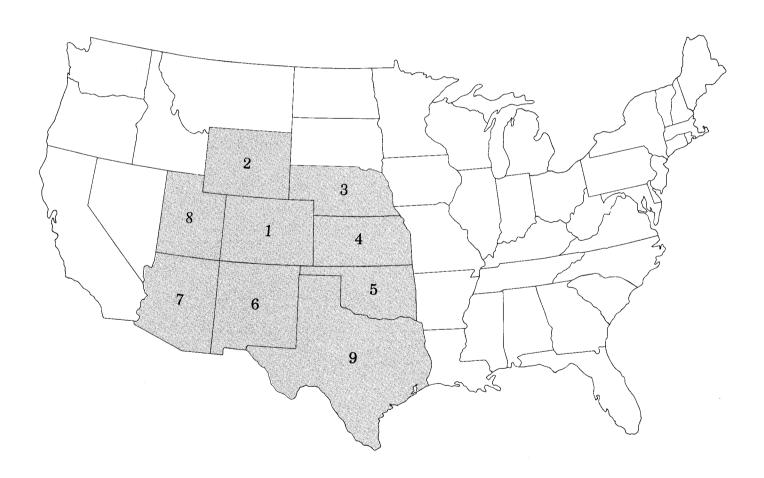
ocation	Ωf	Colorado	
JUCALION		CUIULAUU	

Name	Dar	te

Colorado's Location in Continental United States

Identify Colorado and its neighboring states.

1.	 6.	
2.	 7.	
3.	 8.	
4.	 9.	
5		



og filt for Option program i 1994	Location of Colorado
Name	Date
SOME THINGS YOU MIGHT LIKE TO DO	
☐ Perhaps you could start a time line of Colorac important events, draw a picture of them, and a	
☐ Look at a physical map of the state of Colorstate on a piece of cardboard. Use a mixture of mountains in the state. Paint your map.	
☐ Learn more about latitude and longitude. Reclass.	eport what you learn to your
☐ Read about Mount Elbert, the highest mounta or written report on Mount Elbert to your class drawing if you can.	
☐ Find out what you can about the Great Sand Find some pictures of the dunes. Report what y	
☐ Katharine Bates wrote some beautiful verses a Write your own poem telling how you feel abou	<u> </u>

	People
Name	Date
BIOGRAPHI	ES / AUTOBIOGRAPHIES
person. An a	are books written by an author about the life of another autobiography is written by authors about themselves. Often are shelved in a separate place of the library called the ction.
person's nam	og of a library to locate some biographies. Try looking up a e you are interested in (start with their last name). You can er subjects such as ARTISTS or FOOTBALL - BIOGRAPHY.
then describe	three biographies about the same person. List them here and which one seems to be the most interesting to read and why. k and discuss it with a friend, your teacher, or your class.
Call number:	
Author: _ Title: _	
Call number:	
Author: _	
Call number:	**************************************
Author: _ Title: _	

Which seems best and why?

	People
Name	Date

CASIMIRO BARELA

Casimiro Barela was born in Embudo, New Mexico on March 4, 1847. When he grew up, he ran a store in Mora, Nuevo Mexico with his father and his brothers. They sold groceries, clothes, grain and tools.

When he was twenty, Casimiro moved to the Colorado Territory where he and his wife lived on a cattle ranch. He also served as a Justice of the Peace. In 1871, the people elected Casimiro to be their representative in Denver. He was to help make laws in the legislature for the territory because at this time, Colorado was not yet a state.

While Casimiro worked in Denver making laws, new houses were going up around his ranch. The little town was called Barela. Casimiro Barela, who still had his store in Mora, opened a business in Barela and in Trinidad. He set up a sheep ranch near Taos. He bought another cattle ranch in Mexico. In Texas he bought more cattle and sheep. He became director of a railroad. He opened a printing business in Denver and in Trinidad.

In 1875, Casimiro was one of forty-nine men chosen to represent the people of Colorado as a State Senator. These representatives wrote a constitution for the new state of Colorado. Casimiro Barela served as a senator for 41 years, until 1916.

In the capitol building in Denver, pioneers in the early history of the state are shown in stained glass windows. Casimiro Barela is pictured in one of these windows.

Find out the names of some other early Colorado pioneers who are pictured in the capitol building in stained glass windows. Choose one of these that interests you. Make a short written or oral report to share with others explaining what that person did to become famous in Colorado history.

	200700
Name	Date

Pennle

COLORADO AUTHORS

Among the famous people in Colorado are many children's book authors. Perhaps you know one of these authors or perhaps one lives in your town. To find a list of Colorado authors, you might check the *Colorado Sourcebook* by Richard Knowles and Evelyn D. Scott (Hi Willow Research and Publishing, 1994). You can also get a directory of Colorado authors from the Rocky Mountain Chapter of the Society of Children's Book Writers and Illustrators (available from Vivian Dubrovin, 8600 Firethorn Drive, Loveland, CO 80538 for \$7.50 plus postage).

Choose a book by a Colorado author and read it. Then write to the author telling him or her what you liked about the book and asking one or two questions. Perhaps the setting of the book in a foreign country was so real that you want to ask whether or not the author lived or visited in that country. Perhaps one of the characters in the book was so life-like that you wonder if that character was based on a relative or friend of the author.

When you write the author, be sure to include a stamped envelope with your name and address on it to make it easy for the author to reply. Report what you learn from your letter writing to your class

Wild Flowers	V	V	il	ld	FI	O	N	e	r	S
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Name	Date
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WILD FLOWERS

Below is a drawing of the Colorado state flower. Color it. Write a short poem beneath it.



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Name	Data	
rame	_ Date	

BIRDS OF COLORADO

Color the picture of the lark bunting below. Beneath the picture, write a short poem about a bird.



inger in de la companya di la compan	Fish and Birds of Colorado
Name	Date
SOME THINGS YOU MIGHT LIKE TO DO	
☐ Invite a member of the Audubon Society to combirds.	ne to your class to talk about
☐ Make a bird feeder to put in your yard at home of	or at school.
☐ Choose a particular bird that you would like to information about that bird. Find pictures of it. Mal the class telling what you have learned. Include a in your report.	ke a written or oral report to
☐ Perhaps with the help of your music teacher, tape of bird songs. If so, bring it in to share with you to make one or more bird calls.	
☐ Invite someone from the Colorado State Game, to talk to your class about fish in the state. Where a planted in lakes and streams?	
Four kinds of trout live in Colorado. Draw a pictu Color your drawings. Learn to tell them apart. Sha rest of your class.	
☐ Do you know someone who ties his or her own of skill! If you know a fly-tier, invite him or her to c strate for your class.	9

Mammals of Colorado	Man	ımals	of	Color	ado
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MAMMALS OF COLORADO

Below is a sketch of the bighorn sheep, the state animal of Colorado. If it had been up to you to pick, which animal would you have chosen to be the state animal and why? You should have some good reasons for your choice.



I would choose:				
because	 			
		,		
	•		•	

	Mammals of Colorado
Name	Date
SOME THINGS YOU MIGHT LIKE TO DO	
☐ Invite a member of the Colorado Department o visit your class and talk about wild animals of Co	
☐ Find out about the hunting regulations in your a Where and how do you get one? Report to the cla	
☐ Make a collection of pictures of some of your fa these with your class, identifying the animals and	
☐ Choose a favorite animal of Colorado and find a written report on the information you find. Include Share your report with the class.	
☐ One of the dangers to wild animals is forest fire a short program about safety in the forests. Use ideas. After you have planned and rehearsed the a your fire-safety program with the class.	puppets to present your
☐ Many books have been written about wild ar tamed and lived with people. One of these books is Read such a book and report on it to your class.	
☐ Write your own story about an adventure in C animal. Your story may be a true adventure or a m	
☐ Choose a favorite wild animal and carve it from it from clay or papier-mâche. Bring your model tanimal and share it with your friends.	

Name	Date
PEOPLE WHO REPRESENT COLORADO	O IN WASHINGTON, D.C.
Each of the fifty states sends two people to States Senate. In addition, depending on state also sends a number of people to reStates House of Representatives.	the population of the state, each
Find out the answers to the following quest	tions:
1) How many representatives does Color Representatives?	rado send to the U.S. House of
2) What is the name of the representative f is located?	for the district where your school
3) Is the representative a Democrat or a Re	epublican?
4) When will the next election be for the re	epresentative from your district?
5) What are the names of the two U.S. sens	ators from the state of Colorado?
6) When will the next election for senator b	be?
7) Many people write, telephone, or tal senators. Why?	lk with their representatives or

⁸⁾ Send a class letter or personal letter to a member of the U.S. Congress. What will you say? How will you address it? How will you begin and end the letter?

	Law	S
Name	Date	

POSTERS AND BUMPER STICKERS

Many laws concerning safety and health are passed to protect children. There are laws that prohibit people from selling cigarettes or alcohol to people under a certain age. There are laws relating to car and bicycle safety such as requiring very young children who ride in cars to be strapped into car seats and other passengers to wear seat belts.

Although the laws as they are written may be long and complicated, there are often posters and bumper stickers that use pictures and short slogans to encourage people to obey these laws.

In the space below, draw a poster with a slogan (or several bumper stickers) that you think might be effective in encouraging children and adults to obey a law.

Name	Rivers in Colorado
RIVERS IN COLORADO	
The most famous canyon is the Grand Can other well-known canyons in the state. On following five canyons:	nyon of the Colorado. But there are the state map below, indicate the
 Black Canyon of the Gunnison Big Thompson Canyon Cache la Poudre Canyon Glenwood Canyon Royal Gorge 	

Rivers in Colorado SOME THINGS YOU MIGHT LIKE TO DO ☐ Glenwood Springs is a famous Colorado city. Find out where it is and all you can about it and the springs that are there. Share your findings with the class in a written or oral report. ☐ The Colorado River flows through the Grand Canyon. There are many books and stories about Grand Canyon National Park. Study books, pamphlets, and maps. Find out what you can and make a written or oral report about it to the class. ☐ Powell was a famous explorer who had many adventures. Read about his explorations. Share what you learn in a report to your class. Point out his travels on a map. ☐ Make a salt and flour map of Colorado on a piece of heavy cardboard. Shape the mountains. Find the most important rivers and canyons and show them on your map. Paint your map. Bring your map in to share with your class. ☐ Find out more about the water supply for your community. Where is the water stored? How is it treated? What river is the source of your water? Does your water come from a glacier? Share what you learn in a report to your class. ☐ Learn more about the Big Thompson Diversion Project and what it does.

Share what you learn with your class.

	Wild Flowers
Name	Date
WILD FLOWERS	
There are five main life zones in Colorado. Na grow in each of the five zones.	ame some of the plants that
Alpine (above 11,500 feet)	
Sub-Alpine (10,500-11,500 feet)	
Montane (8,000-10,500 feet)	
Foothills (6,000-8,000 feet)	
Plains (3,500-6,000 feet)	

	Wild Flowers
Name	Date
SOME THINGS YOU MIGHT LIKE	TO DO
☐ If possible, go on a hike in the moulook for wild flowers. Don't pick the flocarefully. Sketch and color some of the leaves and stems as well as the blosseflower book, you might want to find a Share your sketches with the class.	owers that you find, but observe them the flowers that you find. Notice the toms. Using your sketches and a wild
☐ Make a large, colorful picture of one to share with the class.	of your favorite Colorado wild flowers
☐ Write a poem about a favorite Color	rado wild flower.
\square Invite a florist or nurseryman to visit flowers.	your class and talk about plants and
☐ See if you can buy, plant, and raise in your classroom.	some wild flower seeds in containers
☐ Do you know someone who could do tissue paper or silk? If so, then invite them	

	Trees in Colorado
Name	Date

TREES IN COLORADO

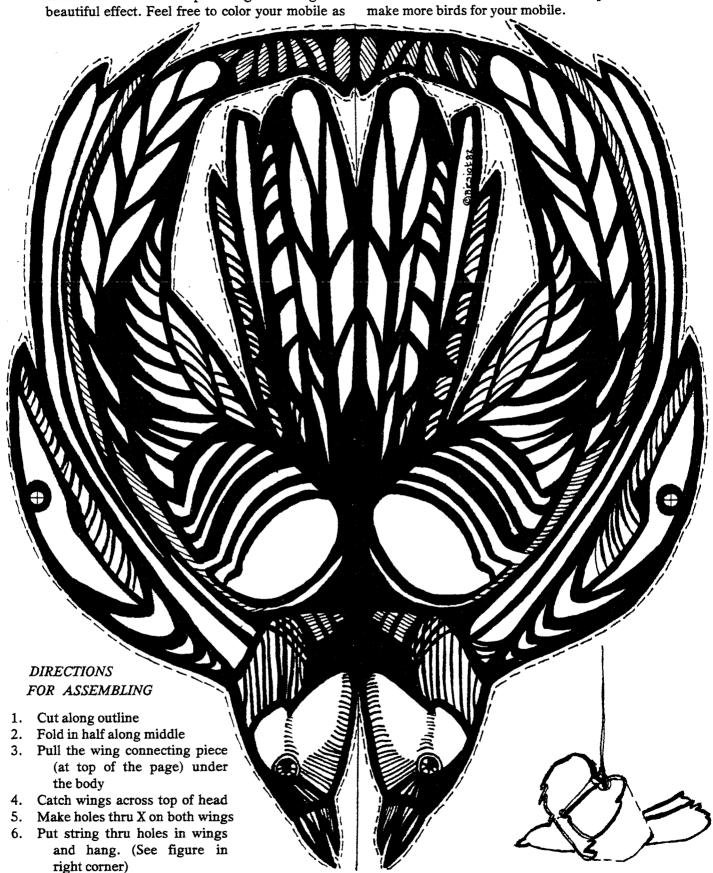
One of the most famous of all of Colorado's trees is the quaking aspen. The aspen is especially beautiful in the fall when the leaves are red and gold. The bark is smooth and white with black markings. Draw and color below a picture of aspen in the fall.

Andrews and the second of the	rees in Colorado
Name	Date
SOME THINGS YOU MIGHT LIKE TO) DO
☐ Invite a forest ranger or a member of the and Parks to visit your class and share info with you.	
☐ Make an art print by collecting leaves Colorado trees. You may wish to spatter p them. Or you may wish to apply paint to th art paper.	paint around the leaves, outlining
☐ Many maps of Colorado show where the own map of Colorado. Indicate the national with others in the class.	
☐ Some people think that all "evergreens' cones, and needles of evergreens are very out what you can about different kinds of learn with the class. Perhaps you wold be and needles to show the differences.	different from one another. Find f evergreens and share what you
☐ Tree rings are fascinating to study. If yo fire place log and rub the surface with linse the tree rings and see differences in growth what you learn with the class.	eed oil, you may be able to count
☐ Invite someone from a lumber yard to used in building. Perhaps such a person c such things as hard and soft wood and the	could bring in samples to discuss
☐ Petrified wood is very interesting. See it to class. Find out what you can about petr in a written or oral report.	

MAGPIE MOBILE

A Blackbilled magpie is mainly black with white sides and blue wing highlights. Native Americans often used vivid colors providing a striking and beautiful effect. Feel free to color your mobile as

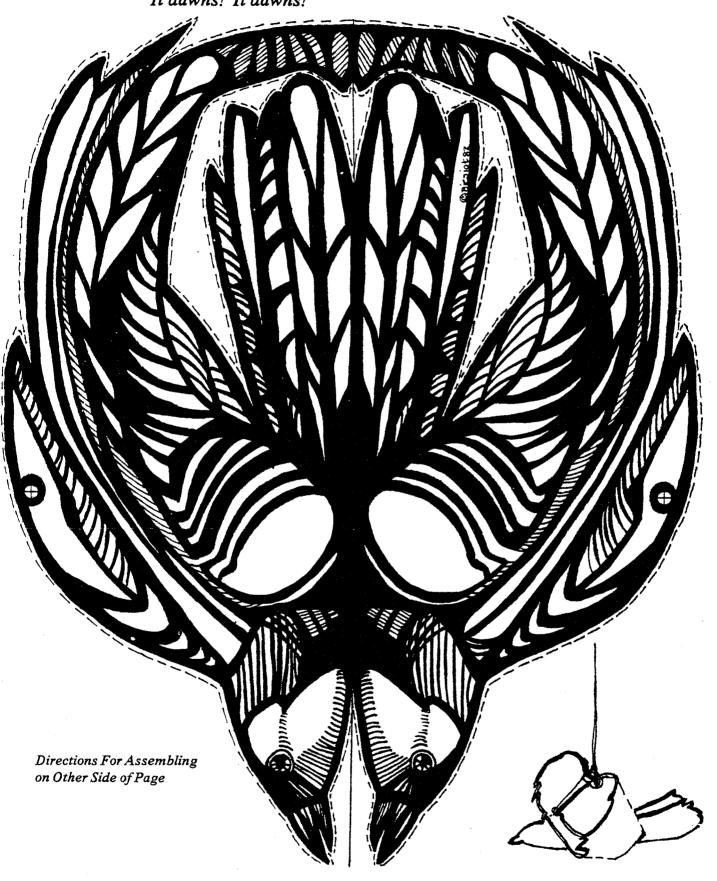
you would like! After you have colored both sides, follow the directions below to assemble your mobile. You can use this cut-out as a pattern and make more birds for your mobile.



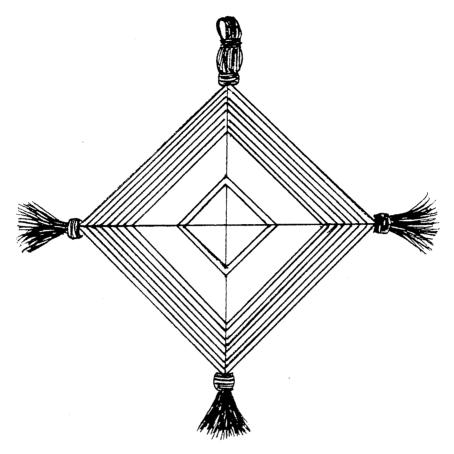
(Reprinted courtesy of Colorado Fever)

Magpie Song

The magpie! The magpie! Here underneath
In the white of his wings are the footsteps of morning.
It dawns! It dawns!



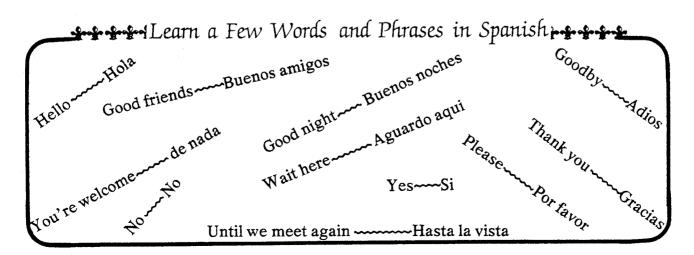
OJO DE DIOS



Borrowed from ancient traditions of the Mexican Indians, the Ojo de Dios (Spanish for Eye of God) is a colorful, authentic talisman, said to bring good luck, good fortune and favor from the gods.

The Ojo de Dios (pronounced O-ho day

dee-os) is crafted by weaving various colored yarns onto sticks. The many lovely shapes and designs can be made easily and quickly, making this folk art one of the Southwest's most popular creative art form.



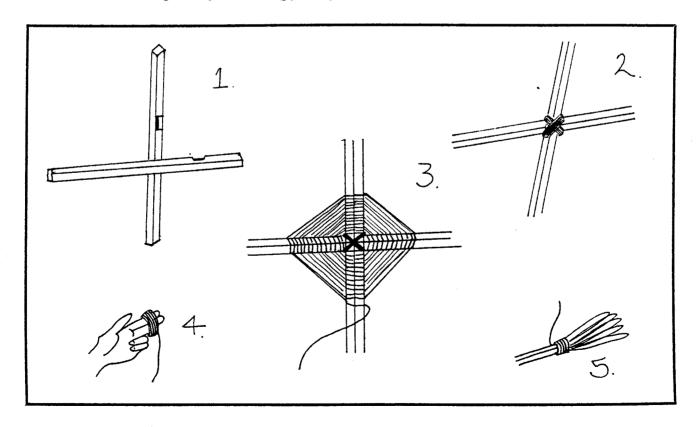
memonione OJO DE DIOS omoniones

Materials:

- . Three to six colors of four-ply yarn (1 oz. of each is usually enough)
- . 2 small square balsa wood strips 1/16—1/8 inch thick and 5 inches long
- . Sharp knife

Construction:

- . At the middle of each wood strip make a notch with the knife. Be sure not to cut too deeply into the wood (Drawing 1).
- . Place a little glue in the notches. Place the sticks at right angles, fitting the notches together, and hold until the glue sets.
- . Wrap the crossbar very tightly, binding the two sticks together (Drawing 2).
- . Wind the yarn once around each bar, without tightening, proceeding around the cross and working outwards.
- . After several turns, change the color. Tie the two colors together with a double knot hidden behind the crossbars. Continue the winding without tightening (Drawing 3).
- . Change the color as many times as you like. Each time the knot should be hidden as well as possible.
- . When you get to the end, tie the last thread neatly to the bar.
- . To make a pom-pom, roll the yarn around two fingers and place it on the end of the crossbar. Wrap yarn of the same color around the roll and crosspiece very tightly to hold it in place (Drawing 5). Tie and cut off the excess yarn.
- . Cut through the loops of the roll to make a tassel.
- . Repeat this procedure at 3 points of the cross.
- . At the fourth point do not cut through the loop. Instead, pass a piece of yarn through it so you can hang your Ojo de Dios.



	Sports
Name	Date

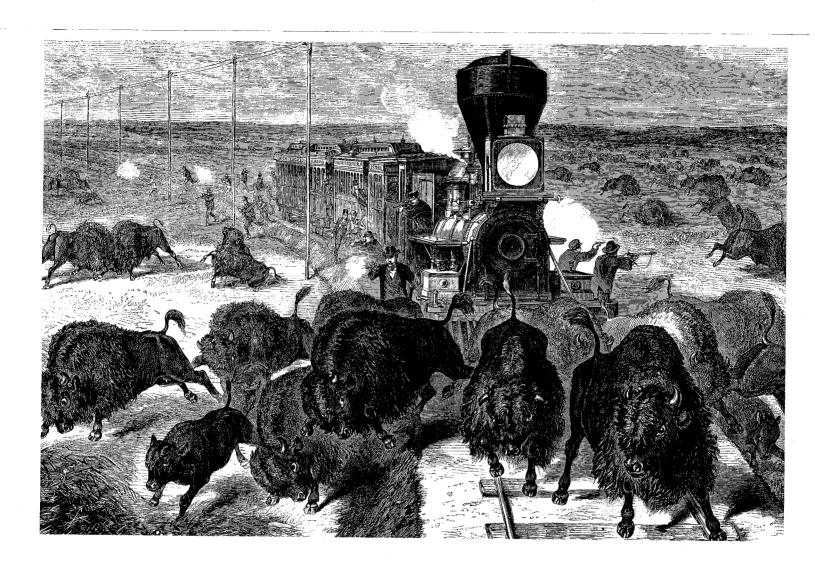
WHAT'S IN A NAME?

Colorado has many famous teams. The football team is named the Denver Broncos. The baseball team is named the Colorado Rockies. The basketball team is named the Denver Nuggets. Often, contests are held to help select a name. Hold a contest in your class or school to name some important place in your school or community. What kind of rules will you have? Who can enter your contest? Will you give a prize for the name selected? Who will serve as judges? Will you have a celebration when the name is finally chosen?

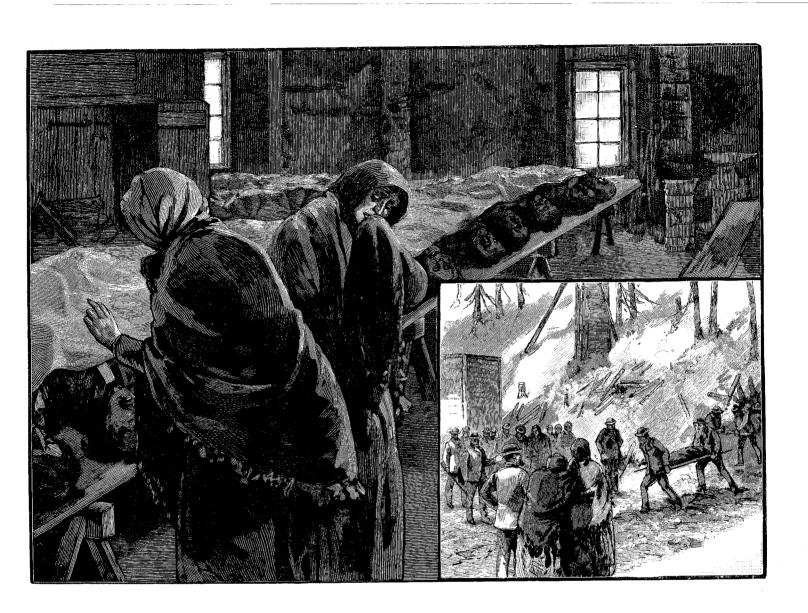
Write your rules here:	

You could name:

- a classroom
- a library
- a school
- a park
- a team
- a club



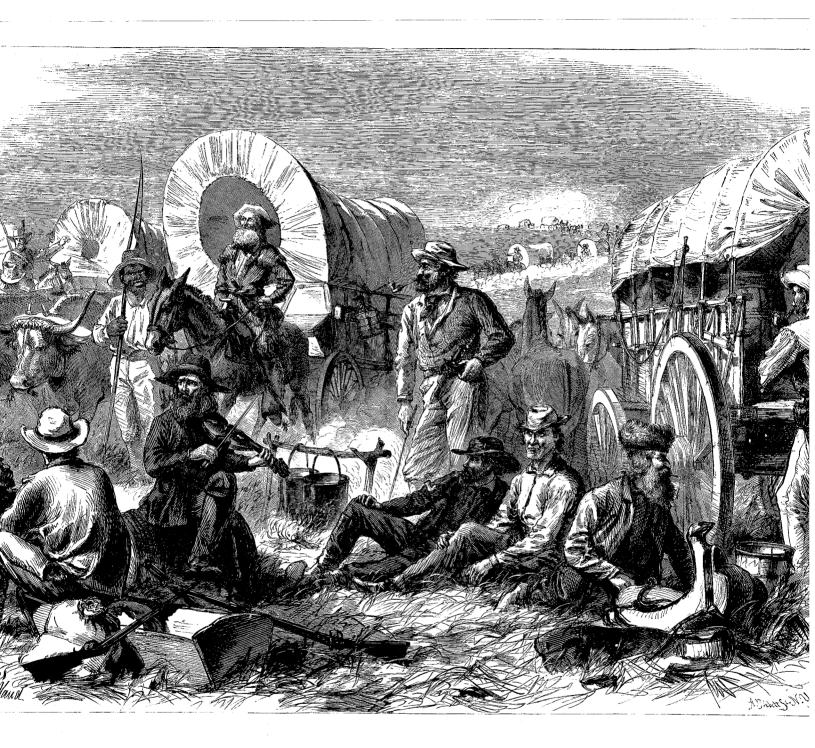
On this train ride from Ellis, Kansas to Kit Carson County, Colorado, in 1871, the train was stopped for a buffalo herd which was on the tracks. The passengers were allowed to get off and shoot as many buffalo as they liked. Suppose you were on that train. Write a short story about what happened and then what happened later when this picture was published in a national magazine.



In 1884, at the Colorado Coal and Iron Company mine near Crested Butte, an explosion killed 60 miners below ground. Suppose you are a news reporter. Write a news story about this catastrophe as if you were there.

Campfire	Songs	
Data		

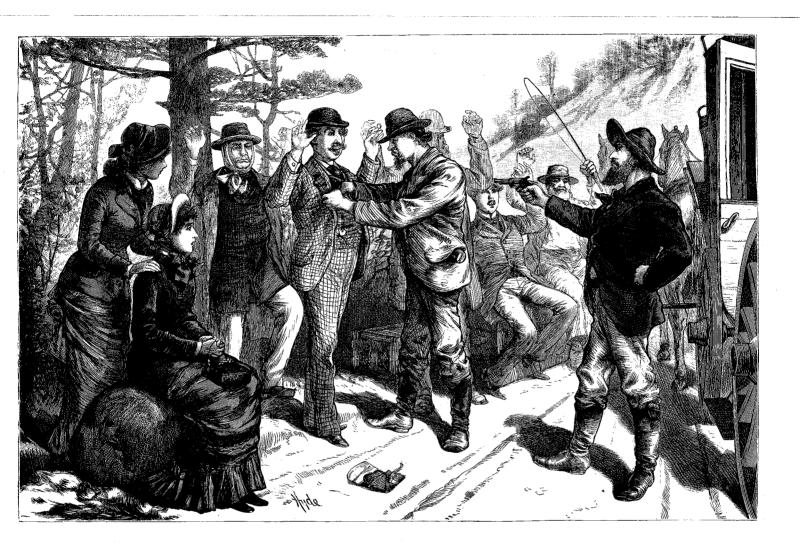
	-	•	-	
Name	Date	4		



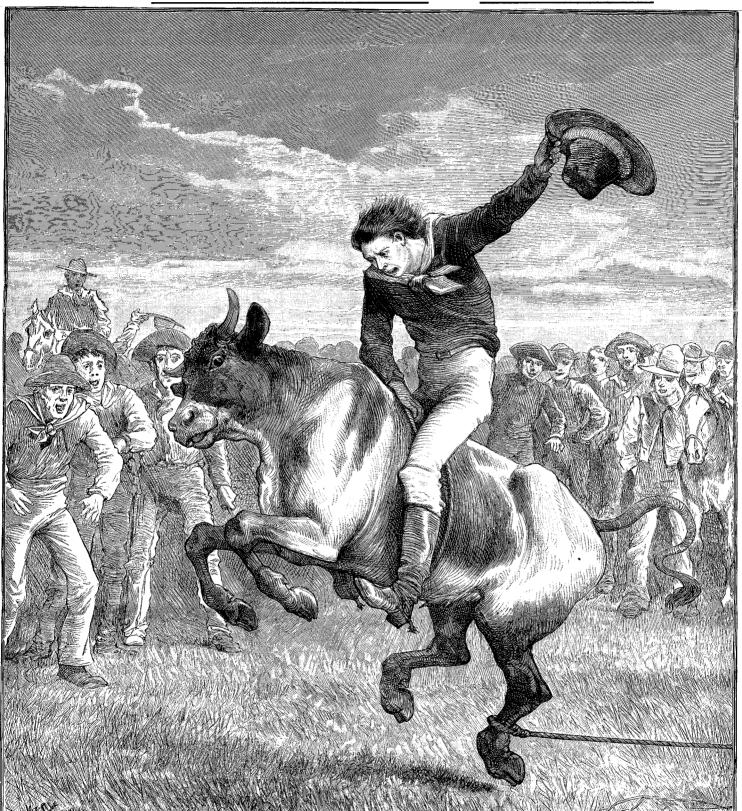
One of the popular things to do around the campfire as people crossed the plains was to sing or play instruments. Find some early campfire songs in the library and sing them. Write an original verse for one of the campfire melodies.

Robbery!
Data

		J
Name	Date	



Here you can see a stagecoach robbery. Imagine that these robbers were later caught and tried. Do some research about courts, judges, and punishments in the Old West. Share with your class in a written report what you learned and what might have happened to these robbers. Be sure to include a bibliography giving your sources of information.



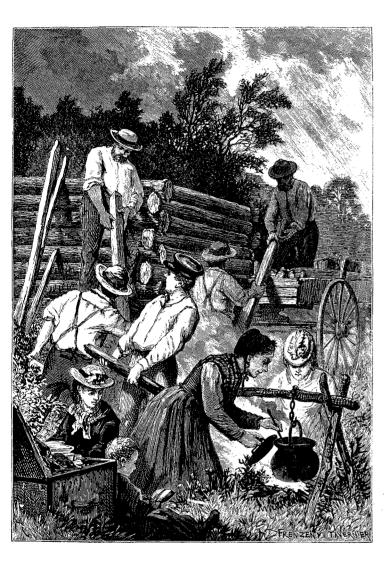
Rodeos were popular in the Old West. Tell about funny, sad, and exciting things that happened when you attended a rodeo, stock show, or fair.

Vigil Date

Name

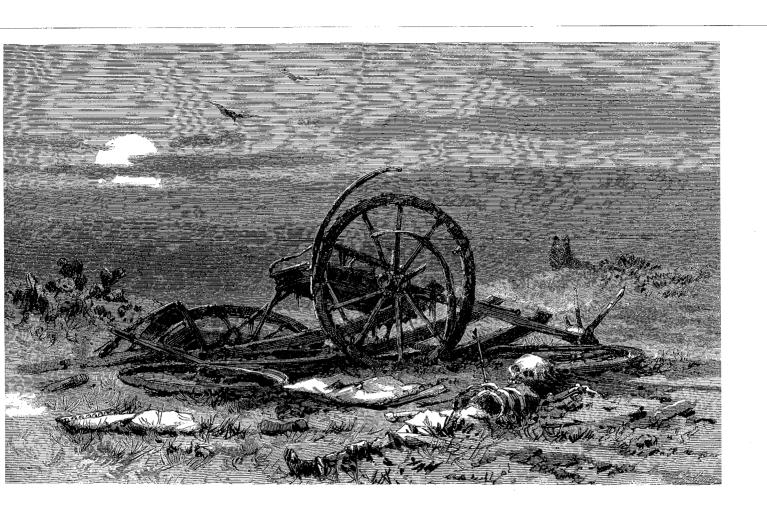


This Indian woman survived the Sand Creek Massacre but her husband did not. Research this terrible part of Colorado history and tell about it.





Suppose you and your family have found a spot to build your new home in Colorado. Friends have come to help you build your house. Make a floor plan of the inside of the cabin. Show what furniture would be included and where. Make a list of common utensils that would be in the cabin. Remember that you either carried these things with you across the plains or you built or made them.



This picture was called, "The Missing Mail - An Incident of the Plains." Imagine you are a reporter for a local newspaper in 1881. Write your account of what happened here.