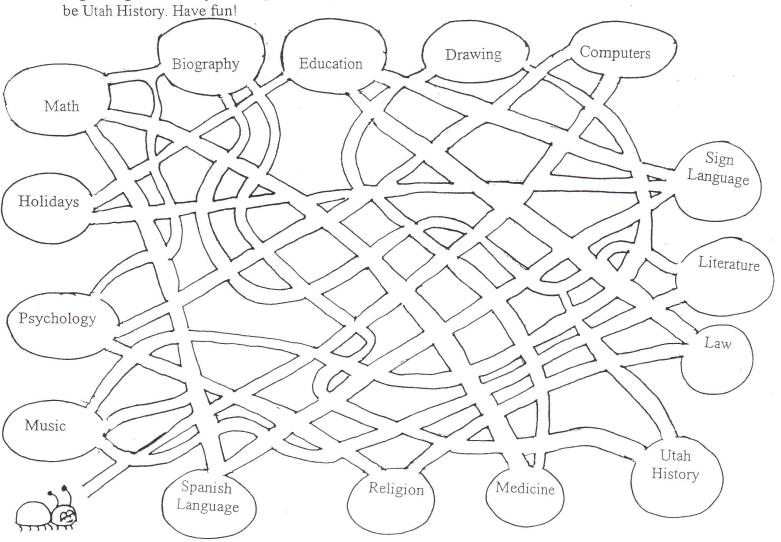


Melvil Dewey organized the knowledge we have into subject areas and gave each area a number. This is how books are organized on the shelves in the non-fiction areas of our library.

000	General Works (Encyclopedias 003; Computers 004-005
100	Philosophy (Psychology 150; Oriental Philosophy 180)
200	Religion (Bible 220; Christian Denominations 280)
300	Social Sciences (Law 340; Education 370; Holidays 394)
400	Language (Sign Language 419; Spanish 460; Greek 480)
500	Pure Science (Math 510; Chemistry 540; Zoology 590)
600	Applied Science (Medicine 610, Engineering 630)
700	Arts & Recreation (Drawing 740; Music 780; Sports 790)
800	Literature (American 810; Spanish 860; Greek 880)
900	Travel (910); Biography (92); Utah History (979.2)

Write the Dewey decimal number of each subject in the circle. Then, see if you can help our library bug through the Dewey Maze by following the numbers from 000-999 in order. The ending point will





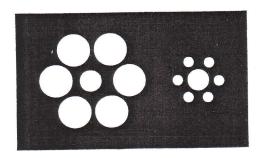
Lose Yourself in the 100's... OPTICAL ILLUSIONS

This summer satisfy your curiosity about our wonderful world at the library - by the numbers! The library uses the Dewey Decimal system of classification, a number system that arranges books by subjects. Melvil Dewey devised a secret code for every subject in the library. See if you can "Crack the Code!"

WHAT IS AN OPTICAL ILLUSION?

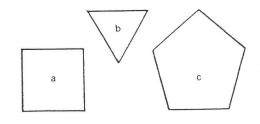
Optical illusions are pictures that play tricks on your eyes and baffle your perception. Sometimes you see things that aren't there and sometimes you don't see what's right under your nose.

Illusion 1

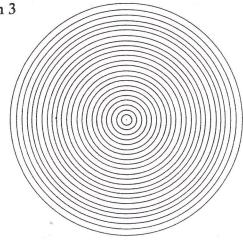


Which circle is larger?

Illusion 2

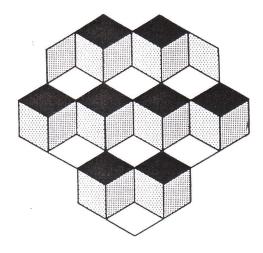


Illusion 3



If you look at this circle steadily, or rotate it, what do you see?

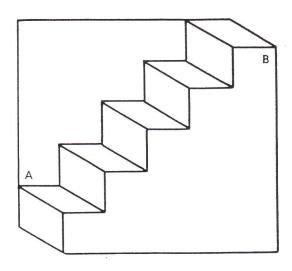
Illusion 4



Are there seven cubes here or eight?

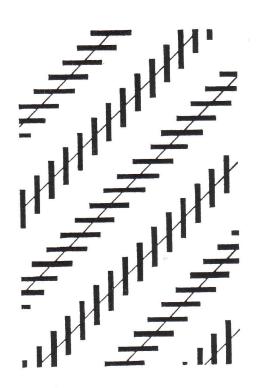
Which figure has the longest sides?

Illusion 5



Is this a normal staircase? Try walking on it upside down.

Illusion 6

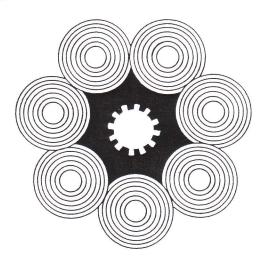


Are the thin lines parallel to each other or crooked?

VISIT THE 100'S FOR:

Philosophy 10	00
Psychology 15	0
Optical Illusions 152.4	
Emotions 152	.4

Illusion 7



Holding the page flat in front of you, move it in a circle clockwise. What happens to the outside circle? What happens to the cogwheel in the middle?

Answers:

Illusion 1: The center circles are equal. Illusion 2: All sides are the same length. Illusion 3: As your eyes tire or as you turn the circle, the overlapping images cause you to see "Moire" (plane propeller) designs in the circle. Illusion 4: Both. There are eight cubes with black tops or seven cubes with white bottoms. Illusion 5: Depending on how you focus on the letters, the staircase can run up from A to B or you could be standing beneath the upside-down version. To see it upside down, focus on the A. Illusion 6: Exactly parallel. Illusion 7: The circles spin to the right. Some people say the cogwheel stands still, while others say it turns to the left.



Something's MYTHing in the **200's...** MYTHOLOGY

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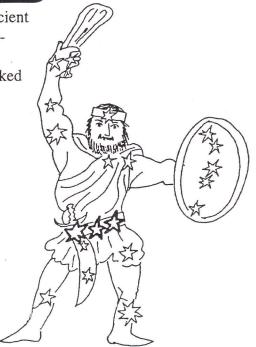
WHAT IS A MYTH?

A myth is a made up story or legend usually from long ago. Ancient people didn't have T.V.'s. or computers. They entertained themselves by making up stories about the pictures in the night sky. Groups of stars, known as <u>constellations</u>, form patterns that looked to them like creatures or people.

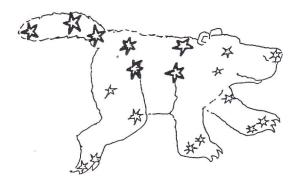
Orion is one of the most famous patterns in the sky. The three stars making up the figure's belt are easy to spot. Orion was a mighty but mortal hunter. The goddess of hunting, Diana, fell in love with him. Hera, Diana's mother, didn't want them to marry. She sent all kinds of animals to kill Orion. He beat them all. Finally a tiny scorpion sneaked up, stung and killed him.



Another well known pattern is the Big Dipper. The dipper is part of a constellation called Ursa Major or the Big Bear. The dipper's handle makes up the bear's tail. Normally bears have short stubby tails. But when Zeus grabbed this bear by her tail and threw her into the sky, her tail stretched way out.



In Greek mthology, Pegasus was a flying horse. The goddess Athena tamed him with a golden bridle. In the sky look for the "Square of Pegasus" Four stars in a big square outline the horses body.



This summer look for these constellations and other "pictures in the sky."

MYTH AND MATCH

Can you match the myth with the constellation? Fill in the blanks below.

Leo, the Lion

Leo was King of Beasts because no arrow could pierce his tough hide. But Hercules crushed Leo to death and used his skin for a suit of armor. The gods took pity on Leo and gave him a place in the stars.

Canis Major, the Big Dog

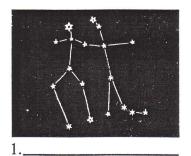
Sirius was Orion the hunter's faithful dog. Sirius is the brightest star in the Canis Major constellation. In fact it is the brightest star in the whole sky! Orion's belt points directly to Sirius and Canis Major is at his heel.

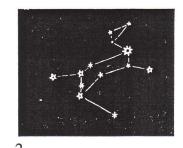
VISIT THE 200'S FOR:

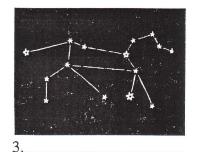
Greek & Roman Mythology	292.13
Norse Mythology	293.13
Celtic Mythology	299.16
Egyptian Mythology	200.31

Gemini, the Twins

Castor and Pollux, twin sons of Zeus, were always together. When Castor was killed, Pollux asked Zeus to let him stay with his brother. Zeus placed the twins in the sky.







Answers: I. Twins 2. Canis Major 3.Leo

DRAW A LINE FROM EACH MYTHOLOGICAL CREATURE TO ITS NAME.









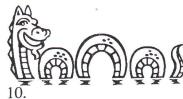




werewolf elf minotaur phoenix bigfoot satyr pegasus ogopogo hydra unicorn horus centaur sphinx gryphon















II. PEGASUS 12. PHOENIX 13. SATYR

VIZAMERS: I SHINX 5' NNICOKN 3' MEKEMOTE 4' CKALHON 2'HOKNS 6' HADKY 1' BICLEOOL 8' CENLYNK 6' MINOLYNK 10' OCOLOGO



There's Safety in Numbers.

Be SAFE in the 300'S...

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TRAFFIC SIGN SCAVENGER HUNT

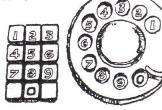
Identify traffic signs as you drive around town. Counting signs is a great way to pass the time.



CALL FOR HELP

Follow these steps when you need to report an emergency:

Dial "0" or "911."



Give your name, address, and the phone number you're calling from.



出



ddress

phone number

Tell what has happened.



Hang up and wait near the phone.





WHAT IF ...?

Play the "What if..." game with your parents.

Brainstorm answers to these situations:

What if you have to stay late after school, and when you leave to walk home, it's already dark?

What if you witness a bicycle accident?

What if you notice that your garage is full of paint cans, paint thinner, and old rags?

What if you visit a friend and notice a gun lying on the table?

What if you're hiking and you fall and twist your ankle?

What if you notice a stranger following you in a car?

What if you're home alone and a stranger comes to the door?

VISIT THE 300'S FOR:

Mummies	393
Ships	387
Fairy Tales	
Safety3	62.88

BE A SAFETY SPECIALIST

Know and follow these important rules:

I know my full name, address, and phone number.

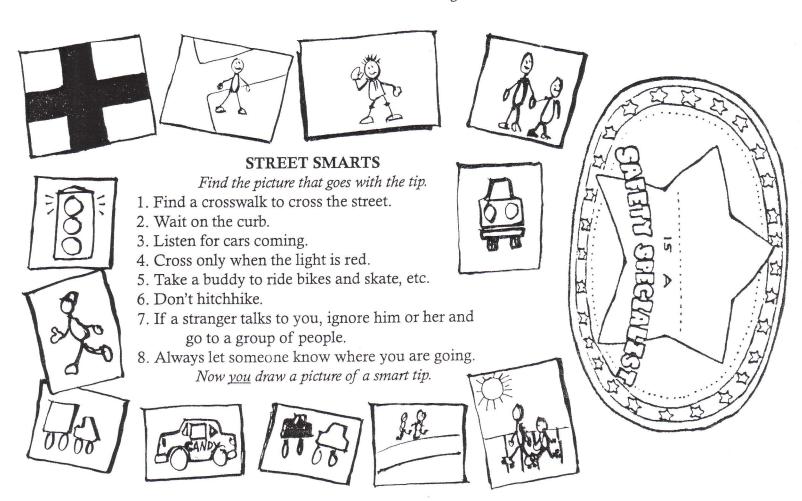
I never get into a car or leave with anyone I don't know.

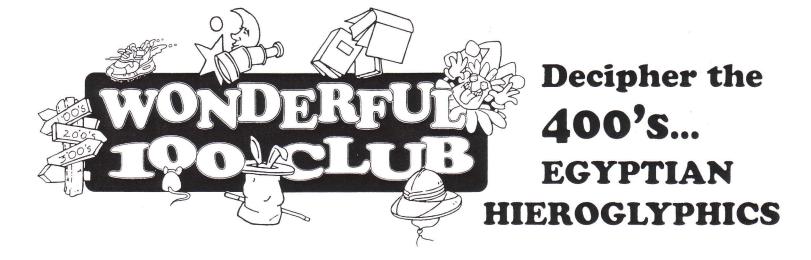
I never talk to or accept treats from strangers.

I always tell an adult in charge before I go outside.

I have memorized a number to call in case of emergencies.

Signed: -





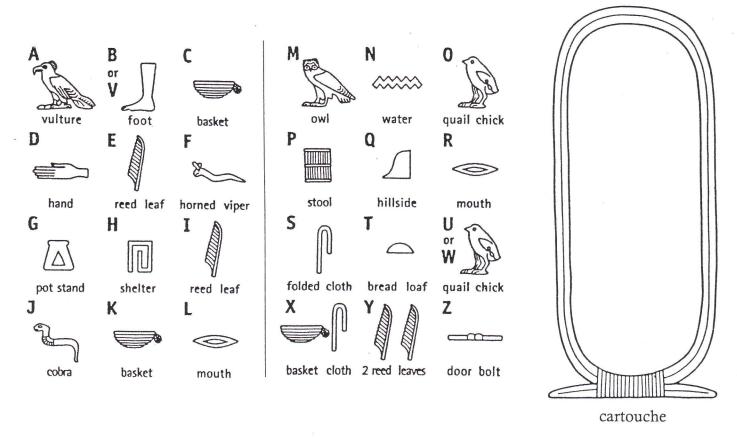
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WHAT IS AN EGYPTIAN HIEROGLYPH?

The first hieroglyphics were ideograms - a wavy line meant "water." Later generations used a rebus system (as when we indicate "belief" with a bee and a leaf). Each hieroglyph shown below has its meaning and phonetic equivalent. You can compose your own cryptic message or spell your name phonetically by linking the symbols together. These hieroglyphs have been chosen to approximate the sounds that occur in English.

YOUR NAME IN HIEROGLYPHICS

Cut out the hieroglyphic symbols below and glue or tape them in the cartouche* (pronounced cartoosh') to spell your name.



^{*} In order to set their name apart from a series of hieroglyphs, ancient Egyptians framed the name in a cartouche.

SAY "HELLO" TO THE WORLD

If you wanted to say "hello" to everybody in the world, how many people would that be? How many languages would you have to learn? You'd have to learn 2,796 languages and say "hello" to 5,720,000,000 people!

Match the "hellos" with their language:

Arabic

नमस्ते

Cherokee

Shalom

Czech

Talofa lava

French

Nah-mah-STAY

Greek

Bax'ax ka wa'alik

Hebrew

Dobar dan

Hindi

Jambo

Korean

Magandang tanghali po

Mandarin

Bore da

Mayan

Hola

Samoan

Kalimera

Serbo-Croation

Bonjour

Spanish

ФБЯ

Swahili

你好 Ni Hao

Tagalog

Nazdar

Welch

Al salaam a'alaykum

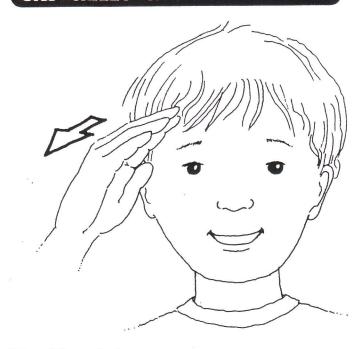
For the answers, visit the Internet Public Library at:

http://www.ipl.org/youth/hello

VISIT THE 400'S FOR:

History	412
Language	419
gn Languages	. 420-490s
glyphics	493.1

SAY "HELLO" IN SIGN LANGUAGE



Hint: Like saluting

From: Simple Signs by Cindy Wheeler

ALPHABET PRETZELS

1 pkg. yeast 1 1/2 cups warm water 4 cups flour 1 egg, beaten

1 tsp. salt

Coarse salt, optional

1/2 tsp. sugar

Measure the warm water into a large mixing bowl. Sprinkle the yeast over the water and stir until it looks soft. Add the salt, sugar, and flour. Mix and knead the dough. Cover the bowl, set it in a warm place, and let the dough rise until doubled. Punch the dough down and divide it into small pieces. Roll each piece into a long snake and form into a letter. Grease the cookie sheet and lay the letters on them. Brush each letter with beaten egg and sprinkle with coarse salt. Bake at 425 degrees for 12-15 minutes.



See Stars in the 500'S...

ASTRONOMY

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CROSSWORD: THE PLANETS

Ten planets and a star comprise our solar system. Use the clues below to fill in the grid.

DOWN

1 Second planet

2 "Red" planet

3 Red "eye"

6 Named for sea god

ACROSS

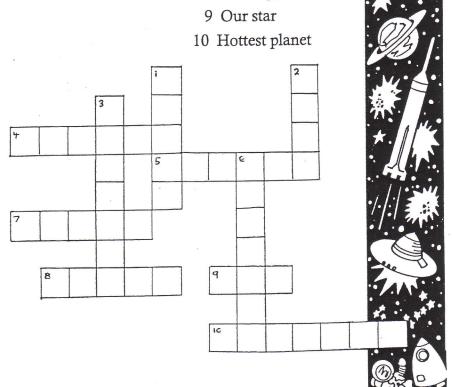
4 Multi-ringed planet

5 Tilted and ringed

7 Outermost

8 Only planet that

supports life



WORDSEARCH: OUTER SPACE

These ten words are hidden below.

ASTEROID PLANETARIUM

COMET RINGS

MOON SOLAR FLARE

ORBIT SOLAR SYSTEM

SPACESHIP SUNSPOT

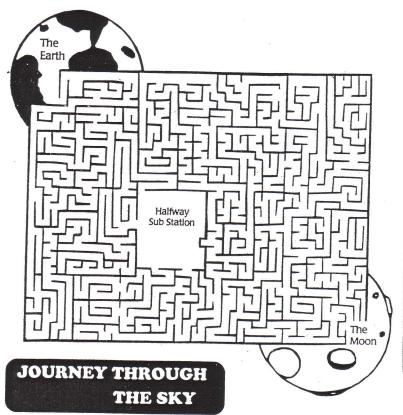
PLAN E TAR F ERO D STU SENTD 0 LP H E S TBW PBS THANYXO BE SPOTHC IRGL N OAATTWALT BRO I MHALLIFWSAETS

Search for them horizontally, vertically, diagonally, forward, and backward.

STAR JARS

Find a small, clean, clear plastic jar with a lid. You will also need water, light corn syrup, food coloring, and star sequins (found in fabric and craft stores). Fill the jar 3/4 full of corn syrup. Add a drop of a food coloring and water to the top of the jar. Screw on the lid and shake to blend. Open the jar, sprinkle in a few star sequins, and replace the lid, screwing it on tightly. Then shake the jar and watch the falling stars. Don't forget to make a wish!





VISIT THE **500**'S FOR: Astronomy **520** Dinosaurs 560 Plants 570 Animals 590

(3)	INVENTORY & CO) 公
750		3
	Time	
Name	Date	
Location		
DO YOU SEE:	Yes No	
Our Moon?	Draw the Moon as it looks toni	ight.
Our Sun?		
Big Dipper?	H H I	
Little Dipper?	H H I	
Polaris?		
Capella?		
Orion's Belt?		
Betelgeuse?		
Rigel?		
Sirius?	Draw your favorite constellatio	n.
Orion Nebula?		
Cassiopeia?		
Double Cluster?		
A planet?		
A meteor?		
An airplane?		
		_)

Travel through the maze from Earth to the Moon, stopping at the substation to refuel along the way.

ANSWERS:

s	A	T	P	R	U	R	A	N	U	M A R S		
			I		S			E				
P	L	U	T	0				P				
			E					T				
	E	A	R	T	H		S	U	N			
								N				
							M	E	R	C	U	R

耳	0	T	T	F	F	S	S	E	N	T	E	T
R	T	P	D.	A	N	E	T	1	R	I	U	*
A	S	T	E	R	0	I	D	F	H	F	S	t
4	S	E	N	T	D	S	T	U	0	M	L	+
B	C	0	ň	E	T	D	P	L	0	N	0	\$
R	I	W	I	W	A	L	P	0	R	S	0	+
A	S	S	0	P	I	H	5	E	C	A	P	-\$
耳	W	I	T	B	W	P	В	S	G	N	I	#
þ	B	E	T	H	A	N	Y	X	0	X	0	A
4	U	N	8	D	0	-I	H	C	I	R	G	1
0	A	A	T	T	W	A	L	4	I	B	R	-
M	H	A	L	L	I	F	W	S	A	E	T	\$



Find a Friend in the 600's... Pick a Pet

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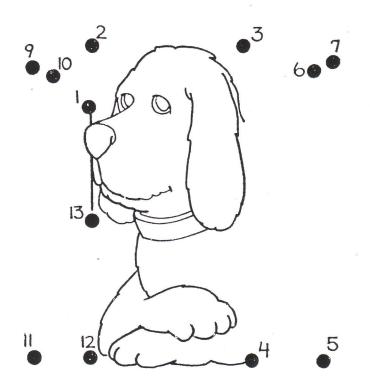
ARE YOU A RESPONSIBLE PET OWNER?

Do you....

Give your pet proper food and fresh water? Give your pet a safe space in which to live? Keep your pet's space clean? Do whatever is necessary to keep your pet healthy?

CONNECT THE DOTS:

8



В 0 W M Z C В E G D E Y T Z G E G 0 E D B E S E E 0 X A R S Y MM K S S DNN

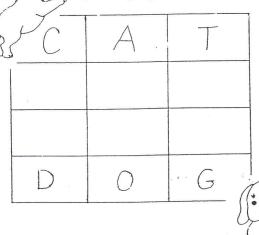
PET WORD SEARCH

Find and circle these words in the puzzle above.

FLOPSY PADDINGTON SOCKS ANT PETER RABBIT **SWIMMY** FROG BLAZE SYLVESTER PING CAT KERMIT TURTLE DOG LASSIE RASCAL EEYORE LYLE RIBSY TWEEDY MAX SNAKE

CAT TO DOG

Change cat to dog in three moves by changing one letter each move.



THUMBPRINT PETS

Press your thumb on an ink pad. Press it on a piece of paper to make a print. Add a face, ears, tail to make your own special pet.

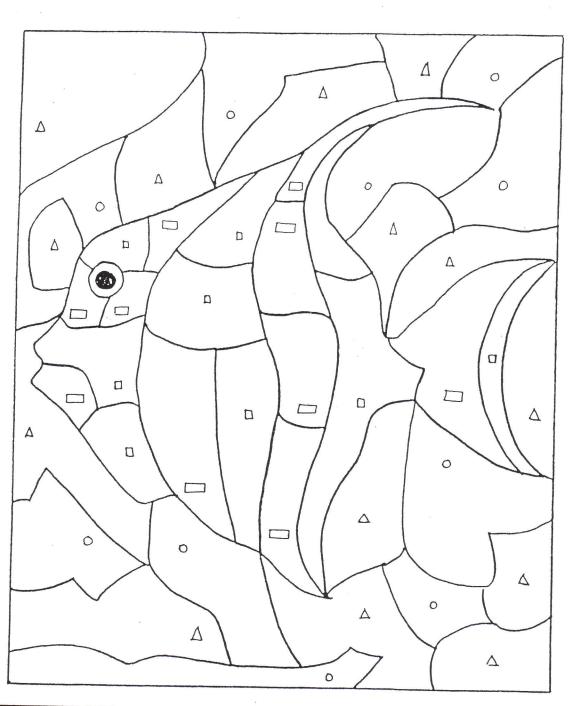






VISIT THE 600'S FOR:

Mororcycles, Cars, Trucks, and Planes629	
Gardening635	
Cooking	



FIND THE PET: Color all triangles BLUE Color all rectangles YELLOW

Color all squares ORANGE Color all circles GREEN

TRAIL MIX

Take this energy-packed treat on your next big hike!

1 cup peanuts or mixed nuts

1 cup raisins

1 cup sunflower seeds

1 cup M&M candies

Mix all ingredients together. Store in an air-tight container.



HIKING WORD SEARCH

Find the following words located in this word search about different hiking steps. Look all directions and circle the words.

EXCURSION	TREK	TRAMP
SAUNTER	TRED	ROAM
ROAM	JAUNT	HIKE
ROVE	GAD	PROWL
WANDER	PLOD	

K	J	I	R	E	D	N	A	W	Ή	G	
F	E	D	С	В	L	A	G	A	D	Z	
J	A	U	N	T	Y	В	X	W	V	U	
Τ	S	R	0	Q	P	0	M	N	M	L	
L	K	J	I	I	Н	G	F	A	E	W	
D	С	В	S	A	U	N	T	E	R	0	
A	K	Ε	R	T	Z	Y	E	V	0	R	
X	W	V	U	T	R	E	D	D	A	P	
U	T	S	С	R	Q	A	P	0	M	0	
N	M	L	X	K	J	I	M	L	Н	G	
F	E	D	E	K	Ι	H	С	P	В	A	

VISIT THE 700 'S FOR:	
Architecture	720
Drawing	740
Music	780
Sports	796

SPORTS RIDDLES

WHAT CONTAINS MORE FEET IN THE WINTER THAN IN THE SUMMER? An ice skating rink.

WHY DID THE LONG-DISTANCE RUNNER GO TO THE VETERINARIAN? Because his calves hurt.

WHY IS TENNIS A NOISY GAME? Because each player raises a racket.

WHY WOULD A SPIDER MAKE A GOOD OUTFIELDER? Because he always catches flies.

WHEN DOES A BASEBALL PLAYER WEAR ARMOR? During a knight game.

WHY IS A BASEBALL STADIUM ALWAYS COOL? Because it has a fan in every seat.

WHAT MONSTER GOES TO BASE-BALL GAMES? A double-header

WHY DOES A BASEBALL PLAYER NEED A LOT OF GAS? It's a long drive to center field.

WHY COULDN'T THE BICYCLE STAND UP AFTER THE RACE? It was two-tired.

WHAT DO GYMNASTS AND BANANAS HAVE IN COMMON? They both can do splits.

DID ANYONE LAUGH WHEN YOU FELL ON THE ICE?

No, but the ice made some awful cracks.

WHAT CAN YOU SERVE BUT CANNOT EAT? A tennis ball.



ANSWERS: SCRAMBLE: 1. Baseball 2. Football 3. Soccer 4. Basketball 5. Gymnastics 6. Ice Hockey 7. Ice Skating 8. Swimming 9. Tennis 10. Track 11. Volleyball 12. World Series 13. Superbowl. MATCHING: Hopscotch-Chalk, Badminton-Birdie, Jump Rope-Rope, Boxing-Gloves, Racquetball-Racquet, Hockey-Puck, Canoeing-Paddle, Diving-Airtank, Fishing-Tackle, Track-Hurdle.



Score with the 700's... SPORTS

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SPORTS WORD SCRAMBLE

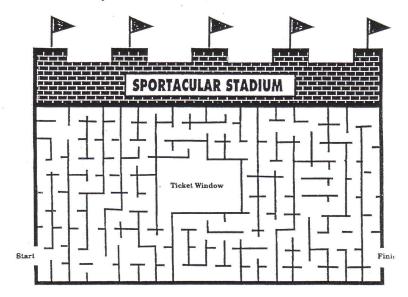
Unscramble the following words. All words relate to sports.

1. LLSEABBA	
2. OLBTAOLF	
3. RCECSO	
4. SBLAKTLBAE	
5. NYSMGTCASI	
6. EIC COKEHY	
7. ECI GSNKATI	7
8. MGSIWMNI	
9. NSTENI	
10. KTCRA	
11. LLYBAELLVO	
12. DWROL RSIESE	3

13. RLSWUBOPED

TICKET LINE

The game is starting, so buy your ticket and find your seat! Hurry!



SPORTS EQUIPMENT MATCH

Match the name of the sport with the proper piece of equipment. Draw a line to connect them.

HOPSCOTCH	HURDLE
BADMINTON	ROPE
JUMP ROPE	TACKLE
BOXING	PUCK
RACQUETBALL	AIRTANK
HOCKEY	CHALK
CANOEING	BIRDIE
DIVING	GLOVES
FISHING	RACQUET
TRACK	PADDLE



Find miles of smiles in the 800's... **HUMOR**

Knock-Knock.

Who's there?

Noah who?

Noah.

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KNOCK-KNOCKS

Knock-Knock. Who's there? Rabbit. Rabbit who? Rabbit up neatly. It's a present.



MAGAZINE CUT-UPS

your pictures with friends.

Materials:

Instructions:

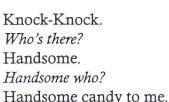
Glue or paste, several old magazines, a piece of construction paper with an oval shape drawn in the center.

Knock-Knock.

Search through the old magazines for pictures of faces. Cut out as many eyes, noses, mouths, ears, heads of hair, etc. as you can find. Separate the

features into piles. Choose a set of facial features for your "face." Arrange them on the oval to make an interesting, funny or ridiculous face. Glue in place. Share

Needle who? Needle little time to make up my mind.



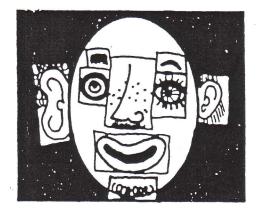
Noah good place to swim?



Who's there?

Needle.

Handsome candy to me.



Knock-Knock. Who's there? Mickey. Mickey who? I tried to open the door, but mickey wouldn't work.

RIB TICKLERS

What goes ffur ffur?
A dog running backwards!



Why did the gum cross the road?
Because it was stuck to the chicken's foot

What goes ABCDEFGHIJKLMNOPQRSTUVWXYZ slurp? Someone eating alphabet soup.

What does noisy hair sound like? Bangs.

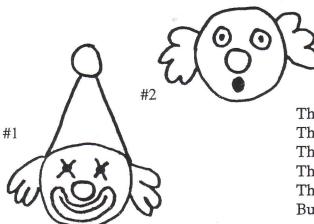
Why did the jelly bean go to school? Because he wanted to be a smarty.

What did the fish get in the mail? A post cod.

FINGER PUPPETS AND FINGERPLAY

Color and cut out the clown faces. Cut out five rings using the Ring Pattern. Paste clown faces on rings. Put one on each finger, starting with #1 on the thumb, #2 on the pointer finger, etc. Then, say the rhyme while animating the corresponding finger puppet.

Ring Pattern: 3" X 1/2" cut out five.

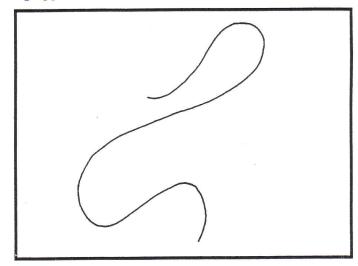


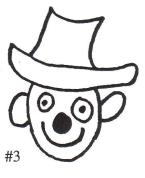
VISIT THE 800'S FOR:

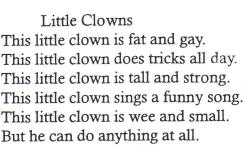
Knock-Knock jokes	.818.54
Limericks	821.8
Poetry	811.54
Shakespeare	.822.33

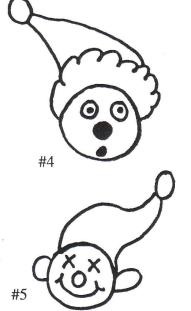
SQUIGGLE ART

Directions: Create pictures from this wiggly squiggle. On a piece of paper, draw your own squiggles and create away!





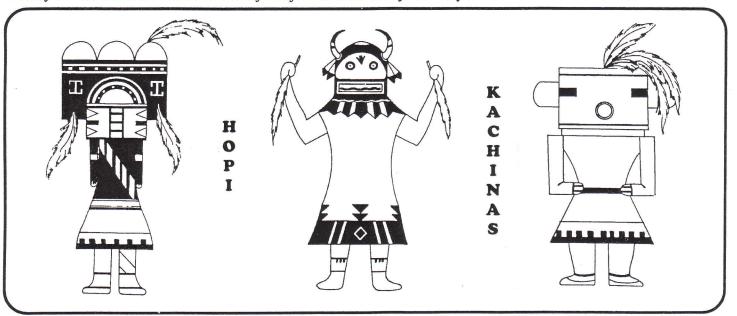






There's more to Explore in the 900's... NATIVE AMERICANS

This summer satisfy your curiosity about our wonderful world at the library - by the numbers! The library uses the Dewey Decimal system of classification, a number system that arranges books by subjects. Melvil Dewey devised a secret code for every subject in the library. See if you can "Crack the Code!"

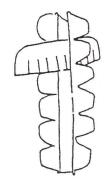




EGG CARTON TOTEM POLE

Materials:

Cardboard egg carton Tempera paint Scissors Glue



Slip a wing piece between the 2 carton sections and glue them together.

Cut the lid off the carton. Cut the egg cup section in half lengthwise and trim the rough edges away. Cut fins for salmon and wings for an eagle from the flat section of the carton.

Glue together the 2 egg cup sections, back to back, with the wing slipped in between. Paint different faces and symbols.

Totem poles are made by Native Americans from the northwest to Alaska.

INDIAN FRY BREAD

Ingredients:	Utensils :	
2 cups flour	Bow1	

2 tsp. baking powder Rolling Pin (optional)

1/2 tsp. salt Frying pan
1 tbsp. oil Paper Towels

3/4 cup water

Cooking oil Makes 8 - 10 pieces

VISIT THE 900 'S FOR:		
•		
Travel	910	
Native Americans	970	
Utah History	979	
•		

Mix the dry ingredients together in a bowl. Add the oil and water. Dust your hands with flour to keep them from getting sticky. Knead the dough until it's stretchy, but not sticky. Pull off a clump the size of a plum and roll it into a ball with your hands.

Pat the dough ball between your hands until it is flat. Then begin gently pulling the dough to stretch it out until it is shaped like a thin, flat pancake. This takes a bit of practice. If you can't get yours stretched, lay it on a surface dusted with four and roll it flat with a rolling pin.

Punch a hole through the center with your thumb. This hole will help the bread cook evenly.

Ask an adult to fry the bread in a few inches of hot cooking oil. When one side turns a light brown color, turn it over with two forks and cook the other side.



Flatten the dough ball and punch a hole in the center with your thumb.



This is a popular Native American food today. It is made and sold throughout the country. You can cover fry bread with powdered sugar, honey, hot chili, or salsa. It is a traditional food of the Navajo people, but many other tribes enjoy it too. So will you!

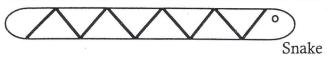


STICK GAME

You will need:

3 flat sticks (like popsicle sticks) Colored markers or crayons

Make two snake sticks red on one side like this:



Make one man stick blue on one side, like this:

Man

Leave the back sides of the sticks plain.

How to play and score:

Hold all three sticks in hands and toss into the air.

If all the plain sides fall face up, score 4 points.

If all marked sides land face up, score 4 points.

Two snakes and one plain up, score 6 points.

Two plain and one snake up, score 6 points.

Two plain and one man, score 6 points.

One plain, one snake, and one man up,

score 0 points.

