



CubRoundtable.com



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Welcome to www.CubRoundtable.com
RT Newsletter
Webelos activity badges Athlete and Engineer

**Theme: Baloo Skies
PRE OPENING ACTIVITIES**

Before we start with our info for next month I have been reading about parent support. We need to remind parents that they are their to share in shaping their sons as well as sharing in the memories. When we sign our sons up for scouting on the back of the registration forms it says that they will

Parent Agreement

I have read the Cub Scout Promise and I want my son to join the pack. I will assist him in observing the policies of the Boy Scouts of America and of his pack's chartered organization. I will

- While he is a Tiger Cub, **serve as his adult partner and participate in all meetings and activities and approve his advancement.***
- While he is a Cub Scout, **help him grow as a Cub Scout and approve his Cub Scout advancement.**
- While he is a Tiger Cub, Cub Scout, or Webelos Scout, **attend monthly pack meetings and take part in other activities; assist pack leaders as needed.**

In an effort to help both the parents and the leaders I created a poster that has the Parent's Pledge and the Cub Scout Promise, Law of the Pack, Meaning of

Weather Word Puzzle

H S A E S U R R I C E L F K
 R A O L O E C U M U L U S J
 A T I H N H L I Q K A L R N
 J S O L S T O R N A D O P D
 B R C N U D U J A M S F M N
 R E O E T I D S R E N Y O I
 B W N C A U V O U T T P N W
 O O D M R A T M T I O H I R
 F H P J T S H W D Y G O M S
 L S G L S I U I G S K E B L
 T E E L S D M N R A I N U F
 F V B R D U V M C N B E S I
 D S L K H C U F A I R H W A
 G R E T E M O R A B W G O F

WORDS FOR THE WEATHER WORD PUZZLE

- | | | |
|---------|---------|-----------|
| FAIR | RAIN | STORM |
| CIRRUS | SLEET | SHOWERS |
| STRATUS | HAIL | HUMIDITY |
| CUMULUS | TORNADO | BAROMETER |
| NIMBUS | FOG | WIND |
| SNOW | CLOUD | SMOG |

ANSWERS TO WINTER PUZZLE

H S A E **S U R R I C E** L F K
 R A O L O E **C U M U L U S** J
 A T I H N H L I Q K A L R N
 J **S O L S** T O R N A D O P D
 B R C N U D U J A M S F M N
 R E O E T I D S R E N Y O I
 B **W N C A U V O U T T P N W**
 O O D M R A T M T I O H I R
 F H P J T **S H W D Y G O M S**
 L S G L S I U I G S K E B L
T E E L S D M N **R A I N** U F
 F V B R D U V M C N B E S I
 D S L K H C U **F A I R** H W A
G R E T E M O R A B W G O F

Continued from page 1

Webelos, Cub Scout Sign, Cub Scout Handshake, Cub Scout Motto and the Cub Scout Salute. You can download this poster at

[Http://www.cubroundtable.com/assets/pdf-documents/Parent-Pledge-and-Cub-Scout-Promise.pdf](http://www.cubroundtable.com/assets/pdf-documents/Parent-Pledge-and-Cub-Scout-Promise.pdf)

PARENT SUPPORT

YOU ARE NOT IN THIS ALONE!
IN FACT, YOU CAN'T DO IT ALONE !

By Heart of America Council

Here are some tips for getting parent support:

- * BE CLEAR-Let parents know you expect everyone to help in some way.
- * Be Specific-Describe what needs to be done and the time it will take.
- * Match needs to interests-Use a survey form to find out interests among parents of boys in the Pack
- * Continue to ask-If you get turned down, respond with, "Well, I'll call you again next time."
- * Be sensitive -to differences in families. Do both parents work? Is it a single-parent home? Are there small children? This could make a difference in the job you ask them to do.
- * Keep parents informed-Invite parents to participate in Pack activities and events. Send home

information about Pack accomplishments. Make your contacts with parents something more than pleas for help.

* Thank people - Thank them verbally; have girls write "thank-you" notes; hold a special "thank you" event during the year.

To get a copy of **Building Parent and Family Participation form** go to <http://www.bsac449-bsa.org/assets/pdfs/Forms/Pack-Family-Resource-Talent-Survey.pdf>

Bought a bumper sticker at a scout shop up north that says:

**AMERICA IS RETURNING
TO THE VALUES
SCOUTING NEVER LEFT**
 With the On My Honor logo

Another resource that should help Parents is www.ScoutParents.org which covers Scouting Basics, Benefits, Scouting with your Child (lists areas that YOU can volunteer in) and Unit resources. There's a ScoutParent history section, discussion forum, orientation guide and a mailing list.

Scouting Is

By unknown

Greater St. Louis area Council

Scouting is doing --doing what boys enjoy doing; doing things that bring back memories of childhood experiences; doing things that help boys grow into men and good citizens; doing things to help a boy find himself.

Scouting is an opportunity for boys to become acquainted with the outdoors; an opportunity to participate in adventures that will have a profound effect on his life; an opportunity to help bring a boy and his parents to a better understanding of each other.

Scouting is a challenge – a challenge to point young boys down the trail toward being a good citizen; a challenge to counteract the undesirable influences that tempt today's youth; a challenge to leave our country in competent hands in the future.

Scouting is building the character of a boy; helping him --his childhood to enjoy; directing him up the path to manhood; doing what we trust will be but good.

Scouting is twelve pairs of legs and arms constantly moving, Growing boys learning responsibility and the art of loving, Working boys learning skills that will be valuable to their future.

Scouting is watching boys turning into young men And knowing I have helped just a little in forming this young man.

Scouting is boys learning, a project that is fun. Scouting is a picnic fire burning, food to eat and a race to run.

Scouting is for Families!!!

So get out there and show them WHY your are a scouter and how much fun your Family has in scouting. Mentor a new family!!!!

Kites

By CS Program Helps 1976-77

You might want to do a Kite Derby in a few months. Now is the time to get organized. You need:

Arrangements-- secure a site and make arrangements to use it with the proper authorities; have a rain date just in case.

Program – plan and conduct the competition and obtain prizes.

Publicity – Make use that every family is informed about the event and sees a copy of the rules. Be sure to invite the Webelos den to compete.

Picnic – plan the picnic supper, if desired.

Suggested Kite Derby rules:

Fathers and sons work together on kites. Sons will fly them in completion, but fathers may be “starters” to help get kites into the air.

A cub Scout may enter more than one kite. No kite will be eligible for a prize unless it flies.

Kites may be of any size and design but may not have more than 100 yards of string.

All Cub scouts and fathers agree to abide by the “Nevers” in making, testing and competing with their kites:

NEVERS

Never fly a kite near electric wires or transmission towers, ditches or ponds.

Never fly kites in a thunderstorm.

Never use metal in making a kite.

Never use wire or wet string for a kite line.

Never fly kites on a public street, highway or railroad right-of-way.

Never try to remove a kite entangled in wires, treetops, roofs or high poles.

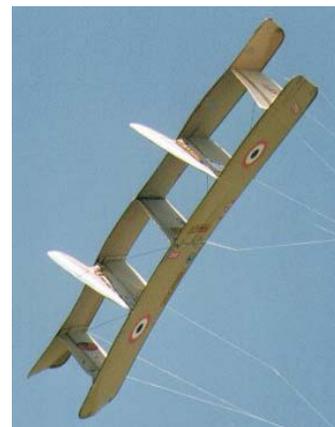
Japanese Doll Kite <http://www.asahi-net.or.jp/%7Eet3m-tkkw/dollkite.html>



[Http://members.aol.com/ronaldkg/tricktac/tricktac.htm](http://members.aol.com/ronaldkg/tricktac/tricktac.htm)



[Http://w1.neuronnexion.fr/~dferment/ukbiplan.htm](http://w1.neuronnexion.fr/~dferment/ukbiplan.htm)



Weather Observations

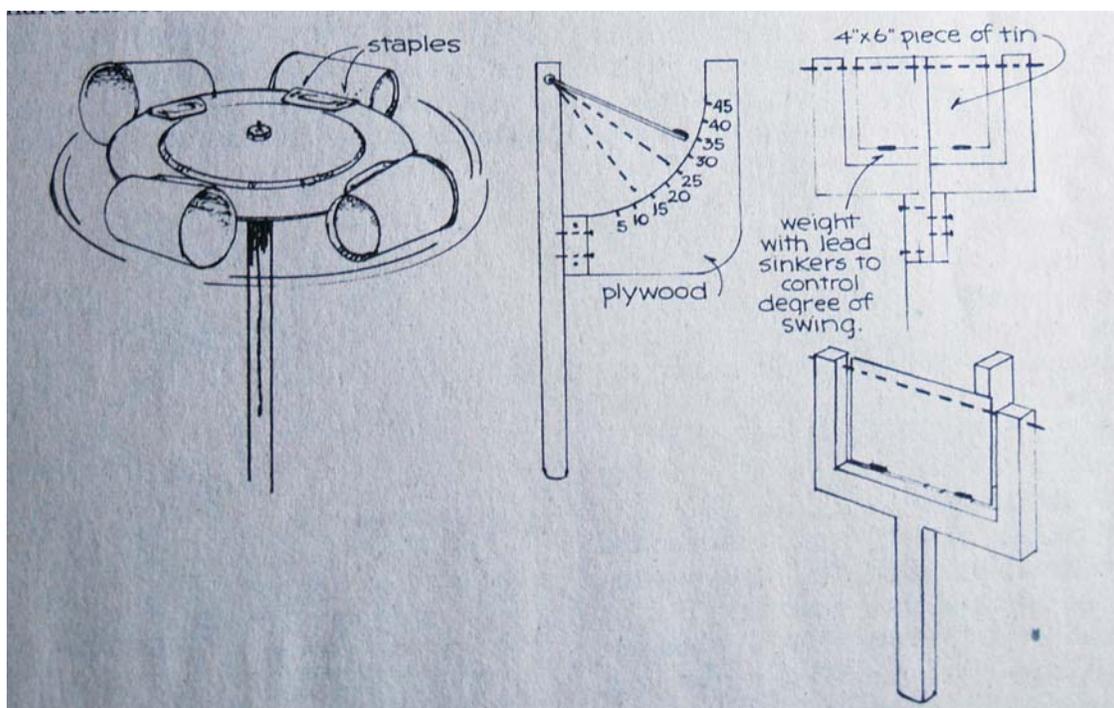
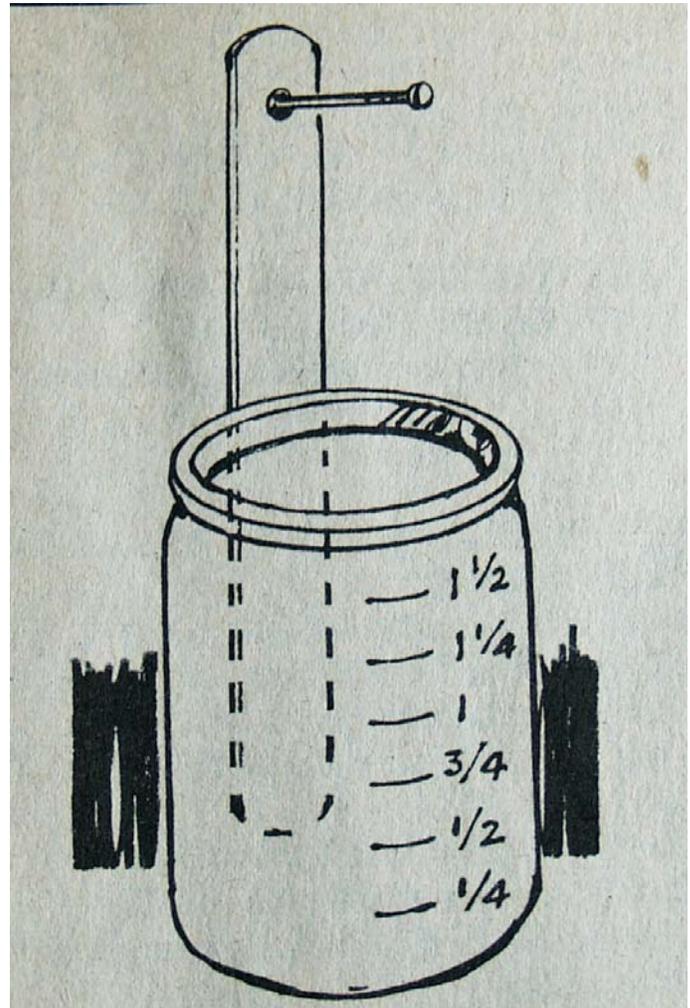
By CS Program Helps 1986-87

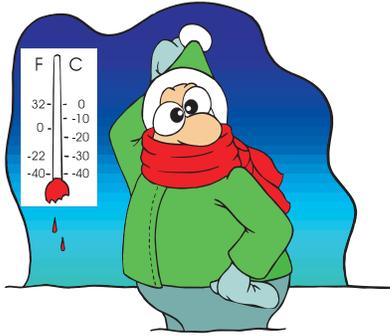
Rain Gauge

One type of rain gauge is shown in Bear Elective 2. Here is another, which can be hung from a post in the yard. The hanger is a popsicle stick with a hole near the top for hanging on a nail. The stick is glued with a waterproof glue like airplane model cement to a plastic, wide-mouth medicine bottle two inches in diameter and two and three inches high. Quarter-inch scale is drawn on the bottle with a fine-tip, black, permanent Sharpie marker.

Anemometers

Devices for measuring velocity of the wind. The one shown here won't give a measurement but is simple enough that your boys can make it. Use a paper plate and paper cups with handles. Drive a small nail into the end of a stick and punch through center of plate so plate turns freely. The Slingshot-like anemometer will give a reading but will require an adults's help to make. Cut parts from wood and tin as shown. To set the scale on the instrument, hold it outside a car window on a windless day. With the car going a steady five miles an hour, mark the degree of the blade's swing on the scale. Increase car speed to 10 m.p.h. And mark. Repeat at five m.p.h. intervals. If the blade swings to its top limit at low speeds, weight with lead sinkers and start over.





**Wind Chill factor table
Air Temperature**

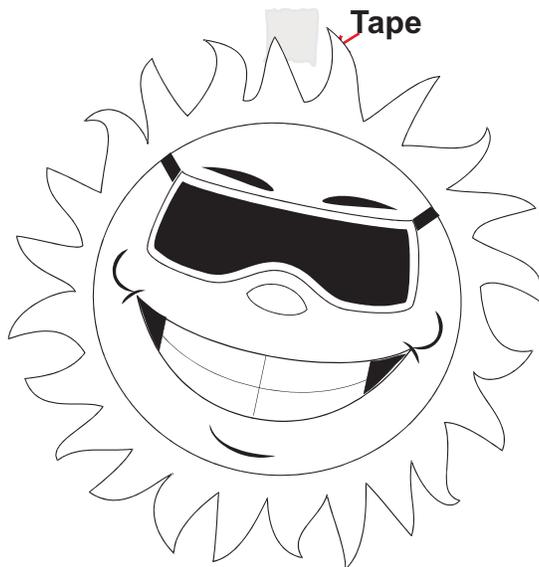
Wind mph	Apparent Temperature														
	35	30	25	15	10	5	0	-5	-10	-15	-20	-30	-35		
5-	33	27	21	16	12	7	0	-5	-10	-15	-21	-26	-31	-36	-42
10-	22	16	10	3	-3	-9	-15	-22	-27	-34	-40	-46	-52	-58	-64
15-	16	9	2	-5	-11	-18	-25	-31	-38	-45	-51	-58	-65	-72	-78
20-	12	9	-3	-10	-17	-24	-31	-39	-46	-53	-60	-67	-74	-81	-88
25-	8	1	-7	-15	-22	-29	-36	-44	-51	-59	-66	-74	-81	-88	-96
30-	6	-2	-10	-18	-25	-33	-41	-49	-56	-64	-71	-79	-86	-93	-101
35-	4	-4	-12	-20	-27	-35	-43	-52	-58	-67	-74	-82	-89	-97	-105
40-	3	-5	-13	-13	-29	-37	-45	-53	-60	-69	-76	-84	-92	-100	-107
45-	2	-6	-14	-14	-30	-38	-46	-54	-62	-70	-78	-85	-93	-102	-109

Winds of more than 45 mph add little to the chilling.



Beaufort scale

Scale No.	Strength	Miles Per Hour	What Happens
0	Calm	Less than 1	Chimney smoke goes straight up.
1	Light air	1-3	Chimney smoke slightly bent.
2	Light breeze	4-7	Leaves rustle; wind vane moves.
3	Gentle breeze	8-12	Leaves and twigs in constant motion
4	Moderate Breeze	13-18	Raises dust, paper; moves small branches.
5	Fresh breeze	19-24	Small trees begin to sway.
6	Strong breeze	25-31	Large branches move.
7	Moderate gale	32-38	Whole trees sway; walking is difficult.
8	Fresh gale	39-46	Breaks twigs off trees.
9	Strong gale	47-54	Damages chimneys and roofs.
10	Whole gale	55-63	Trees uprooted (rare inland)
11	Storm	64-75	Widespread damage (very rare inland)
12	Hurricane	Over 75	Most destructive of all winds



RELATIVE HUMIDITY INDICATOR

PINK= HIGH HUMIDITY
BLUE=LOW HUMIDITY

Relative humidity indicator

Humidity tells the amount of moisture in the air. Cut a sun shape three inches wide from a piece of pink construction paper. Get a small amount of cobalt chloride from the drug store or chemistry set and dissolve it in water; make the solution deeply colored. Dip the paper sun in the solution. When the paper dries, tape it to a piece of scrap-wood or heavy cardboard. The sun will stay pink when humidity is high and turn blue when humidity is low.

Opening

By Heart of America Council

EMERGENCY BROADCASTING SYSTEM

This is the test of the Emergency Broadcasting System. When you hear this sound (sound a horn) you will know it is a test of the Emergency Broadcasting System. Remember, this is only a test. In case of a real emergency, you will hear HELP!!!!

THE RAINBOW

Personnel: Narrator and 6 Cub Scouts

Equipment: Large flannel board, cardboard rainbow, cut into separate color bands.

Narrator: Almost everyone loves to watch rainbows. They remind us that even on rainy days, the sun is not far behind.

Cub Scout #1: (Put up innermost Magenta band) "Magenta is for hope, as we remember it is always darkest just before the dawn."

Cub Scout #2: (Put up Blue band) "Blue is the joy of fair skies and the peace of calm, starry nights."

Cub Scout #3: (Put up Green band) Next is for the rain, turning the spring world Green."

Cub Scout #4: (Put up Yellow band) "Yellow is for the sun's gentle warmth, coaxing seeds from the earth each spring.

Cub Scout #5: (Put up Orange band) "Orange reminds us of the contrast between the seasons; the beauty of spring, summer's freedom, fall's bounty, and winter's time of rest once more."

Cub Scout #6: (Put up red band) "Last of all, RED is for dreams, born like kites, high on the wind.

ADVANCEMENT

Cubmaster: For this whole month, the boys have been working with the theme of Weather Observations. Our weather is caused by three things playing together: the air, the sun and the movement of the earth. These three elements cause our seasons to change, just as the Cub Scout program creates change within our boys. (Call forward Bobcat and parents.) The season of fall is much like our Bobcat, who is entering the family of Cub Scouting. He will marvel at all the different and colorful leaves of fall. The Bobcat can be overwhelmed with all the new activities on which he can begin. Congratulations on your beginning in the Cub Scouting program. (Call forward Wolf and parents.) The next season is Winter. In the Wintertime, the Wolf stalks his prey while the Cub Scout stalks each of the requirements to achieve his rank of Wolf. Congratulations on your achievements. (Call forward Bear and parents.) Spring is when the Bear emerges from his hibernation to all the newness this season brings. Our Cub Scout also opens his eyes to survey the requirements for his rank. This is truly a time of discovery for the Bear Scout. Congratulations on a job well done. (Call forward Webelos and parents.) Summertime is the time of outdoor fun. This is what our Webelos are ready for. He has learned new skills and now he can test what he has learned. His knowledge comes from having experienced all the other seasons. Congratulations on your Webelos rank and continue to explore as you pass through the seasons.

Games

By Heart of America Council

Weather Balloon Power

Materials: A balloon for each player
2 ping pong balls

Divide Cub Scouts into 2 or more teams. Each player is given a balloon which he blows up and holds by the neck until his turn. A raceway is defined for each team and a ping pong ball placed at the beginning of each raceway. Team players take turns letting air escape from their balloons blowing their team's ball down the raceway. The winner is the team that blows the ping pong ball the furthestmost way down the raceway.

Shadow Tag

Materials: None

Must be played on a sunny day. One player is chosen to be It. The object of the game is for the person who is It to try and tag another player by stepping on his or her shadow. Define boundaries. No fair running into the shade! When the person who is It steps on someone's shadow, he or she shouts "Sun Tag!" The player whose shadow was tagged becomes the next person to be It, but that player must stand still for three counts before chasing shadows.

Touch and Go

Materials: None

Divide the group into two teams. Both teams line up side by side in the middle of the playground facing the caller. Teams arrange themselves in a specific order, such as by height, age, first letter of first name, and so forth. The caller shouts the name of an object or thing found in the play area such as a tree or a fence. Players then break ranks, touch the objects named, and reassemble rapidly in exactly the same order. Since this is a game of instant discovery, callers should add their own creative touches and name the things that are not usually noticed, for example:

- Touch a tiny twig
- Touch the knot in a tree
- Touch a crack in the sidewalk
- Touch the corner of the building
- Touch the hole in the fence

The team reassembling first most often after a predetermined number of calls is the winner and should touch off a round of cheers.

Variation: Have callers call out the names of two, three, or four things.

Snow Shovel Relay

Materials: 2 pie tins
2 spatulas

2 large bags of cotton balls

Divide boys into two teams. Give each team a pie tin, spatula, and a large bag of cotton balls. Each team empties a bag at its feet and places pie tin about 10 feet away. On signal, the first player on each team scoops up as many cotton balls as the spatula will hold, carries them to the pie tin, and drops them in. He then hands the spatula to second player, and so on. Hands may not touch the cotton balls. First team with all cotton balls in its pie tin is the winner.

Weathervane

Materials: Compass

Use a compass to establish the four main directions in a room. Have all boys stand facing one player who is the "wind." The wind tells the direction he is blowing by saying, "The wind blows..., south." All players must face south. If a player is already facing that direction and moves, he is out. The wind may confuse the game by facing any direction he wishes. Players turning the wrong direction are out. The winner is the last player still in the game.

RAIN GAME

Everyone stands in a circle. The leader starts by rubbing his/her hands together. The boy to the right of the leader joins in, then the next boy to the right, then the next, until everyone is doing it. This sound is much like the sound of a soft spray of rain. The leader then starts a new sound — finger snapping.

The rain is intensifying. Each boy must continue to rub hands until it is his turn to snap fingers. When the finger snapping has gone around the circle, the leader begins the next sound — hands slapping thighs. Finally, the center of the rainstorm hands slapping thighs plus foot stomping. To end the rainstorm, completely reverse the activities. The last sound to be passed is the silence as each boy, one by one stops rubbing hands.

DIP, DRIP AND DUMP (outside game)

Need bucket of water, two or more plastic cups, two or more containers with small neck (pop bottles). Before the race, put two and three small holes in the bottom of the cups (use pencil or nail). Divide the players into two or more groups. The object is for first member of each group to dip the cup into the bucket of water, then run to the empty container, dump any remaining water into the container, then return the cup to the next person in his group. The *race* continues until the container is full or its filled to some appropriate level. To make the running distance shorter, you can make the holes bigger.

SHOOTING STARS

Stand all boys in a line and give each a construction paper star and half a straw. Each boy places his star on the floor in front of him. When the signal is given, each boy must lift up the star by inhaling on the straw and then walk to the finish line. The boys must not touch the stars at all but may touch the straws. If a star drops, the boy must lift it up with the straw only and continue.

WEATHER OBSERVER

You will need pencil and paper for each scout. The leader gives a 3-4 minute fictitious weather report full of lots of weather activity. While telling the story, he does several things such as mopping his brow, buttoning his shirt, scratching his ankle, etc. At the end of the forecast, each boy is asked to write down NOT what the forecaster said, but what he did during the report and in the order that he did them. (Another variation would be for them to write all the different types of weather conditions mentioned and in order.)

BALMY BREEZES

Seat the Scouts around a table small enough so they will be close together. Put a ping-pong ball in the center of the table. On signal, Scouts with their chins on the table and their hands behind them try to blow the ball off the table between two of the other players. A boy scores a point every time he manages to blow the ball off the table. This could also be done as a team competition with one team at each end of the table.

HAIL STORM

Each player is given, in turn, five ping pong balls (hail stones) to throw into a waste paper basket. Balls that bounce out of the basket do not count in that player's score. High score wins.

GALE FORCES

Equipment: sheets of 8 1/2 x 11 inch paper (half of them marked with an x) and two pieces of cardboard about the same size.

Divide into two teams of equal size and have them standing on two lines about 15 feet apart. Scatter the papers marked with an X behind one team and the same number of plain sheets behind the other team. On signal "go", one player from each team, carrying the cardboard, blows one of the paper scraps across the middle of the area to his own side. He hands the cardboard to the next player who repeats. This continues until all papers have been returned. The first team to finish is the winner.

Audience participation**Bobby Wants to be a Cub Scout**

BOBCAT: Mcee-ooooow.

WOLF: Ahhhh-oooo.

BEAR: GRRRRRRR.

WEBELOS: yell: "We're the best- we're #1".

ARROW OF LIGHT: Everyone clap.
(CAPITAL WORDS indicate the above actions)

Bobby was out for a walk one day in the woods near his home. As he walked along, he met a **BOBCAT**. The **BOBCAT** appeared to be reading a book. Bobby asked the **BOBCAT** what he was doing. The **BOBCAT** said that he was trying to become a **WOLF**.

Bobby laughed. Who ever heard of a **BOBCAT** changing into a **WOLF**? He continued on along the way. Soon he met a **WOLF**. The **WOLF** was working on a wood project. "What are you trying to become?" laughed Bobby. "I am going to become a **BEAR**", said the **WOLF**.

How strange, thought Bobby. A **BOBCAT** Who wants to be a **WOLF**, and a **WOLF** who wants to be a **BEAR**. Maybe I can find a **BEAR** who wants to be something else, too. Sure enough he soon met a **BEAR** who was busy packing for a camping trip with his family. "And what are you trying to be-come big **BEAR**?" The **BEAR** said, "I am going to be a **WEBELOS**."

What's a **WEBELOS**?" So the **BEAR** explained to Bobby, how he could become a Cub Scout. First he could be a **BOBCAT**, and then a **WOLF**, and then a **BEAR**, and then a **WEBELOS** Scout. He might be able to earn the **ARROW OF LIGHT**, the highest award in Cub Scouting. Bobby said, "Thank you", to the **BEAR**. Then he ran back past the **WOLF** and past the **BOBCAT**. He ran right out of the woods and straight home. He wanted to tell his parents that he wanted to join Cub Scouting so he could become a **BOBCAT**, then a **WOLF**, then a **BEAR**, and then a **WEBELOS** Scout and maybe even earn the **ARROW OF LIGHT**.

WEATHER OBSERVATIONS

Rain: Drip, drip

Sun: Shine, shine

Clouds: Hi, Mr. Sun

Wind: Blow, blow

One day the **Sun**-- had a talk with the **clouds**-- and the **wind**--. The **clouds**-- were always coming along blown by the **wind**— and covering up the **sun's**— rays. The talking got louder and louder. The **wind**-- blew hard and the **clouds**-- started bumping together creating a **rain**— storm. The **rain**— fell hard for a whole day and a night. The next day the **clouds**--, the **wind**--, and the **sun**- - all were happy and the **wind**-- blew the **clouds**-- away. The **sun**- - shone brightly and everyone was happy.

TIE SLIDES

KITE NECKERCHIEF SLIDE

Cut kite shape from a foam meat tray.

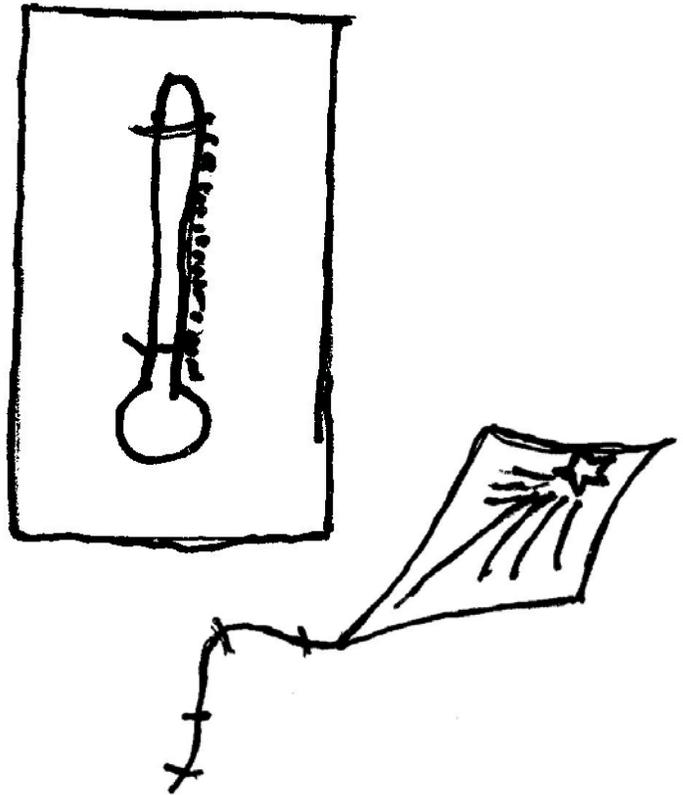
Tie two toothpicks together crosswise and glue.

Cut points off picks to proper length for kite, and glue on kite. For tail, knot yarn and glue in place.

Glue on slide ring.

THERMOMETER TIE SLIDE

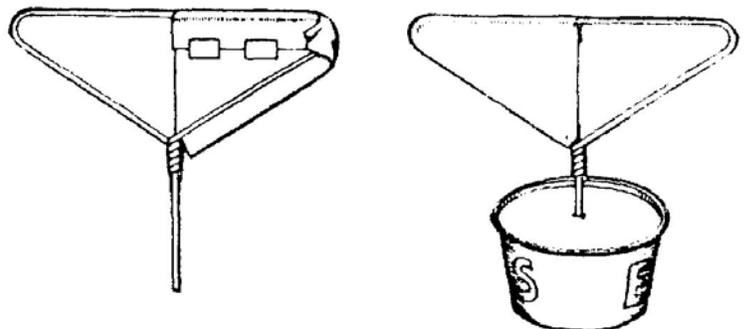
Cut a piece of 1/4" plywood or wall paneling 1" x 3/4". Sand edges smooth. Whittle or sand a burnt match to round off the edges. Cut down to 1 1/4" length. Form a small ball of plastic wood around end of match. When dry, paint end part of match red to resemble thermometer. Glue onto wood. Drill a 1/16" hole on both sides of thermometer and run telephone or bell wire through the holes and twist in back. Glue a loop of vinyl on back for tie slides.



WIND VANE

WEATHER OBSERVATIONS

Using a metal hanger, aluminum foil, adhesive tape, covered margin tub and sand make a weather vane. Bend the ioop of the hanger until it is straight. cover half of the hanger with aluminum foil and tape in place. Fill The margarine tub with damp sand and pack down hard. Put the lid on the tub. Poke a hole in the center of the lid with a hammer and nail. Poke the vane in the hole and push well into the sand. Give the vane a spin to make sure it turns easily. Mark N, S, E, W on top of the tub. Use a compass to position the wind vane in your yard. Make sure that N on the tub is pointed North in your yard. Then open half of the vane that points to where the wind is coming from.



GENUINE OLD INDIAN WEATHER ROCK**Materials:**

5 1/2" square block of wood (1" thick)

3 1/4" dowel rods 8" long

Heavy cord or dental floss

Rock, approx 1 1/2" diameter

Verse

Match

Drill

Sandpaper

Wood stain

Mod Podge or varnish

Glue

Sand the wood block and dowel rods.

Drill three holes as shown.

Stain wood.

Cut out verse, singe edges with flame. Glue verse on block of wood as shown. Coat with Mod Podge or clear varnish. Insert dowel rods in holes, lash with cord or floss to form a tripod. Tie rock on one of string so it is centered below tripod lashing. Glue dowel rods into holes. Place outside and observe following.

GENUINE OLD INDIAN WEATHER ROCK

1. If rock is wet - it's raining.
2. If rock is white — it's snowing.
3. If rock is moving back and forth - it's windy.
4. If rock is hard to see — it's foggy.
5. If rock is casting a shadow — it's sunny.
6. If rock is cold - it's cold out.
7. If rock is warm — it's warm out.

PINWHEEL**Materials:**

Sheet of paper

Straight pin

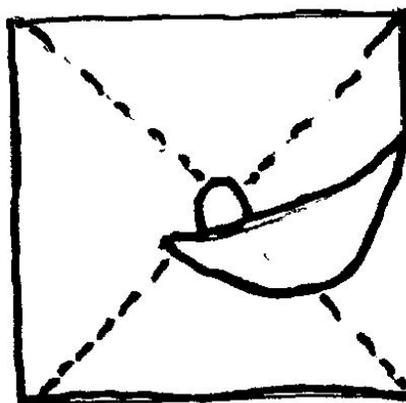
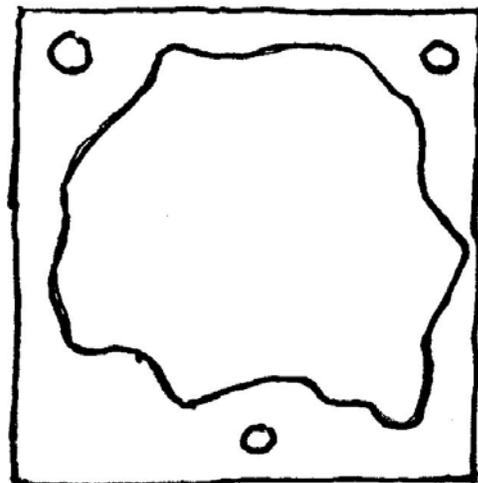
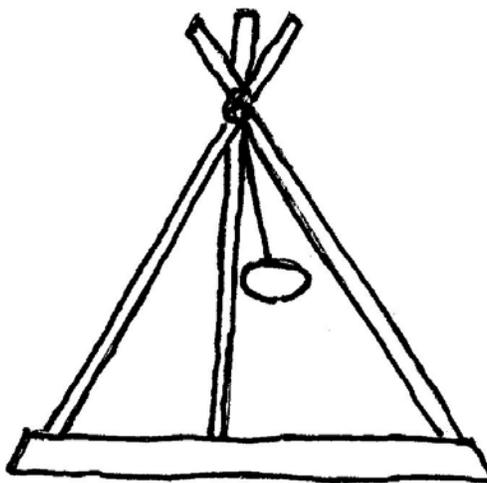
Pencil with an eraser

Ruler

Scissors

The paper that makes a pinwheel must be square. You can be sure it is a square by folding it before you cut it. Draw lines from corner to corner of the paper with a ruler. Draw a small circle about the size of a penny in the center of the paper where the lines cross. Cut the paper on the lines but not inside the circle. Bend each of the corners marked with an "X" into the center of the circle. Put a straight pin through the four corners and the center of the paper. Then put the pin into the eraser on the end of

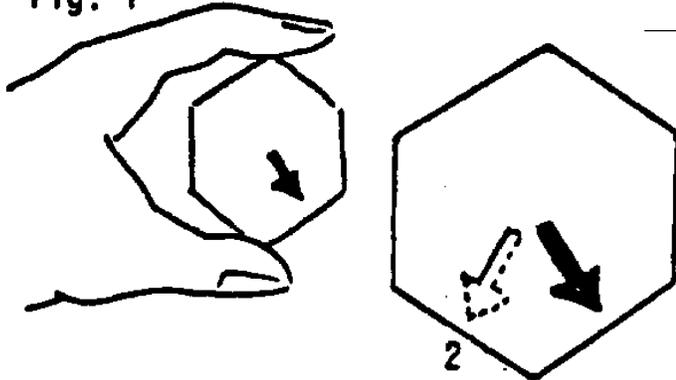
the pencil. Now, the pinwheel should spin in the wind when you blow on it or when you run with it. Different decorations on a pinwheel will make new and interesting patterns as it spins.



Mysterious gadget (trick)

This gadget is made from cardboard and decorated with arrows. It has six sides, with each side being about 1" in length. Hold the cardboard with the thumb and finger of one hand at two directly opposite points. Now paint or make a small arrow pointing to one of tile sides as show in Fig.

I. Still holding tile same points, pivot the cardboard around with tile other hand so that the other side of tile cardboard appears. Then make another arrow on that side. The funny, thing is, although it is pointing in the same direction, the second arrow is actually pointing at a different edge. (fig. 2) Pivot tile cardboard around a few times and tile two arrows continue to point in the same way. Now change and hold at two different points and again pivot. The arrows are 1101 pointing tile same way. In fact, one may point east while the other points west. This is tile part that will mystify and amuse an audience.

Fig. 1**CLOSING**

Every Cub Scout should accomplish something worthwhile every day. Each day's accomplishments should be a little better than the last. Stand by a window with your room dark and look out into the night. Ask yourself the simple question: Have I done my best today? Then each day, vow to do better than the day before. If all of us did that, then kept our promises, we'd have the best Cub Scout pack in the city. Now, as we close tonight, I want to ask you this question — answer it silently to yourself. Have you done your best today?

CUBMASTER MINUTE

A wise man once noted that all sunshine is what makes the desert. Just as rain and snow are necessary for plants and animals to exist, so it is in our lives. We gain our strength and ability to live not from the days when all goes right. But rather, it is from days of adversity and overcoming difficulties that we grow.

WEBELOS

Athlete

Games**Heel Spring**

Place your heels against the line on the floor or ground, bend down and grasp your toes with the fingers of both hands. Lean forward to get a start. Then jump backwards across the line, keeping hold on toes.

Stretch Out

Each contestant toes a mark. In one hand he holds a broom handle or stick, in the other a piece of chalk. The contest is to see who can make a mark the farthest distance from the starting line without touching the floor or ground in front except with the stick which is used for support. Feet must not be moved.

Tug-of-War

A length of rope can be used for the toughest sport - the tug-of-war. Try one at your den meeting, half the den against the other. Try the three man version shown below.

Tractor Pull

Tractor Pull is a game and also a good workout. Loop rope around the back of the neck and under the armpits of two players facing in the opposite direction. On all fours they try to drag each other across a dividing line.

Indian Leg Lock

Cubs lie flat on their backs with each boy having their right legs next to each other. They lift their legs, and on a count of three, they wrap legs and try to pull the other boy over.

Obstacle Course

Set up an obstacle course with five of the required elements of the Athlete badge, plus a few "fun" ones. Each requirement is assigned a station. An adult or den chief should be at each station to record each Scouts efforts.

Agility Exercises A

Perform these exercises within the designated time limits. Rest two minutes between each set of exercises.

Set 1 (8 Minutes)

1. Fish Flops - Lie flat on your stomach, arms and legs extended and off the ground Rock back and forth. (2 minutes)
2. Grass Drill - Run in place. Drop to ground and bounce up again. (2 minutes)
3. Quick Foot-Knee Touch - Drop quickly to one knee and bounce up again. Alternate knees. (2 minutes)
4. Root Drill - You need a partner for this one. Square off on all fours, locking right shoulder to right shoulder. Try to rock your opponent back off his feet. (2 minutes)

Rest two minutes

Set 2 (6 minutes)

1. Crab Mirror - Two players on all fours. One moves at random to the left, right, back or forward and the other mirrors his moves. Switch leaders and repeat. (2 minutes)
2. Bear- Hug Take-Down - Two players, one standing behind the other. Player in rear grasps other player around arms and chest and tries to pull him down. Reverse positions and repeat (3 minutes)
3. Sit-ups - Lie on back, feet together, hands clasped behind head. Raise up and touch elbows to knees. Do as many as possible for 1 minute.

Rest two minutes

MEASURING WORM WALK

With hands flat on the floor and arms straight, players stretch out their legs behind them They rest on hands and toes.

CUB PACK '0 DICE

Make dice from large cubes of foam rubber or blocks of wood. Paint words pertaining to Cub Scouting on all six sides of each dice. Boys take turn tossing out one dice at a time, then trying to match the word on top by tossing the second dice. Scoring: If player matches work, he receives five points. If rank is lower than first work turned up, he receives ~ - point. If rank is higher than first, he receives two points.

Special scoring can be set for words such as Cub, Leader, Akela, etc. First player to reach 10 points is the- winner.

MUSCLE BUILDING EXERCISES

Some muscles need more building up than others for increased strength and stamina. Start out slowly, and increase gradually in these exercises designed for a 15 minute home workout program.

BICEP BUILDER: Bend one arm at the elbow and extend, palm up, from your side. Make a fist with this hand. With the other hand, grab the extended arm just below the wrist. Push up with the extended arm while pushing down with the other. Hold 10 seconds. Do this five times with each arm. - -

NECK BUILDER: Grab each end of a good strong bath towel with one hand on each end. Put the towel behind your head. While holding your head up straight, push hard against the back of the neck with the towel until your neck muscles quiver. Try this for three minutes.

ABDOMINAL MUSCLE BUILDER: Lay on your back on the floor with your arms at your sides and your feet together. Raise and spread your legs slowly without touching the floor and hold for 10 seconds. Do -this three times, then rest and repeat.

BACK & CHEST STRENGTHENER: Lie face down with hands at the back of your neck, elbows out. Raise head and chest and hold. Repeat.

ARM & SHOULDER MUSCLE BUILDER: Pushups are great for this. Keep back and arms straight while raising and lowering your body. Work up to 20 pushups a day.

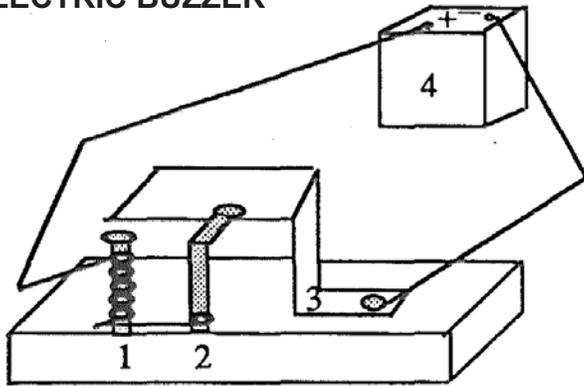
STOMACH MUSCLE BUILDER: Lie on your back with your arms straight above your head on the floor. Raise up and touch your toes with your fingers, keeping your legs straight.

FEET & TOE CONDITIONER: Walk pigeon-toed with your toes curled. Practice picking up marbles or smooth stones with bare feet.

LEG & THIGH BUILDER: Stand up straight with your hands on your hips. Rise up on your toes while bending your knees slowly until you are in a squat position. Repeat.

Webelos Engineer

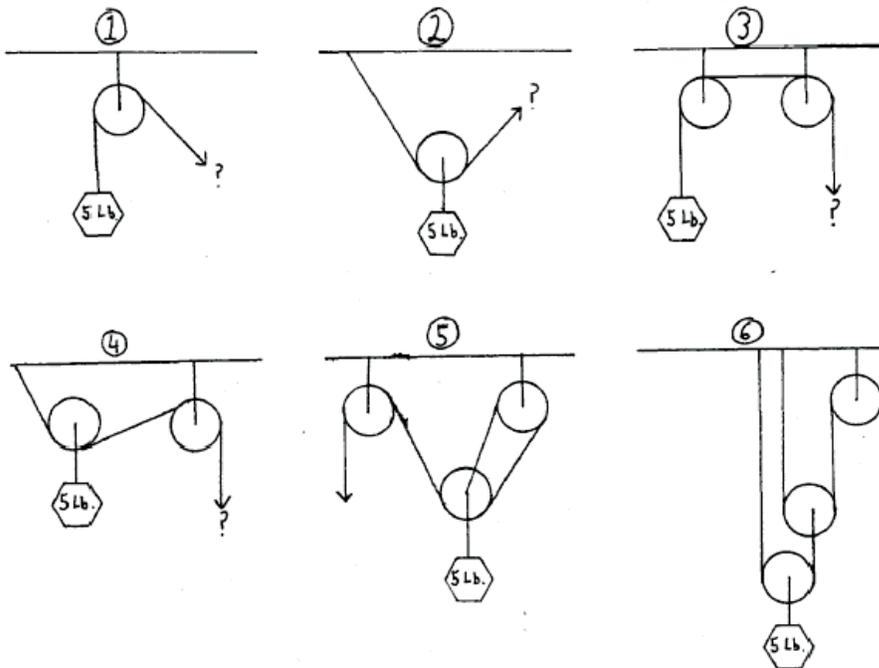
ELECTRIC BUZZER



1. 100 turns of magnet wire around a No. 8 nail.
2. No. 16 nail bent to touch top of metal strip.
3. Metal strip cut from tine can (6"x1")
4. 6-volt lantern battery.
6. Wood block

Simple Machines - Pulleys

Pulleys can be used to either change the direction of effort or to reduce the effort required to lift a load. A pulley that doesn't move only change direction of force (ex. 1), but if a pulley does move, it can reduce the amount of force required (ex.2). The price you always pay for reducing force with a pulley is how far you have to pull. If you use a single moveable pulley to lift 10 pounds 10 feet you only have to pull with 5 pounds of force but you have to pull 20 feet of rope. If you used enough pulleys to reduce the force to 1 pound, you would have to pull 100 feet of rope.



SCALE

Use a spring scale, the type used for weighing fish, a yard stick to measure how hard and how far you have to pull to raise 5 pound 1 foot; Use a spring scale, the type used for weighing fish, a yard stick to measure how hard and how far you have to pull to raise 5 pound 1 foot; use the following setups:

- Pulleyset set-up
- | | |
|--------------|-------|
| 1. 5 lb. | 1 ft. |
| 2. 2 1/2 lb. | 2 ft. |
| 3. 5 lb. | 1 ft. |
| 4. 2 1/2 lb. | 2 ft. |
| 5. 1 2/3 lb. | 3 ft. |
| 6. 1 1/4 lb. | 4 ft. |

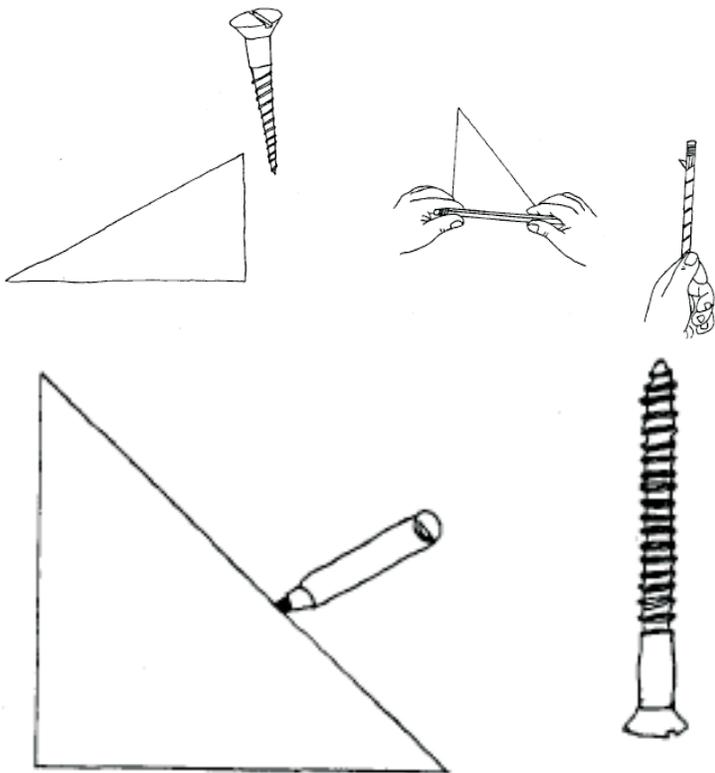
The Screw and the Ramp

Materials: Wood screw

- Scissors
- Colored marking pen
- Sheet of paper
- Pencil

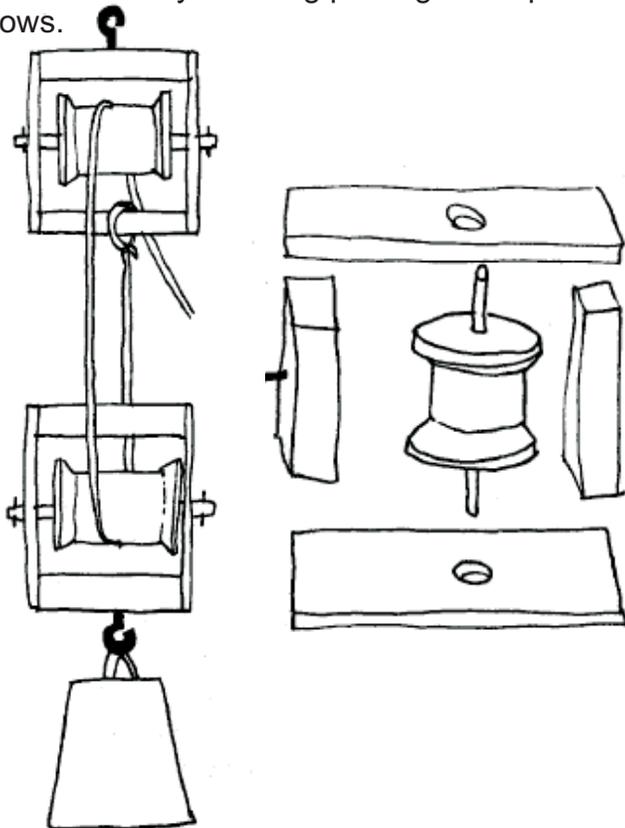
Directions:

1. Examine the screw and notice how the threads are angles. Now cut a triangle, or ramp, from the sheet of paper. Use the marker to mark along the cut edge, or the ramp. Roll the paper onto the pencil from one short side of the triangle to the opposite point. Keep the bottom or baseline, of the triangle even as it rolls. 2. The colored edge, marking the ramp, will spiral up the pencil forming the pattern of a screw. You can see that a screw is actually an inclined plane.



Block and Tackle

If you want to experiment with the principle of the pulley, you can make a lightweight block and tackle yourself with just a few simple parts. You might find it handy for lifting packages to upstairs windows.



WEB SITES

These sites are current as of

[Http://www.kckiteclub.org/DaveEllis/japkites1.htm](http://www.kckiteclub.org/DaveEllis/japkites1.htm)
Japanese kites

[Http://www.kckiteclub.org/DaveEllis/sledkite.htm](http://www.kckiteclub.org/DaveEllis/sledkite.htm)

Straw kite, sled kite...

[Http://www.kckiteclub.org/DaveEllis/software.htm](http://www.kckiteclub.org/DaveEllis/software.htm)

Kite making software.

[Http://www.gombergkites.com/howgen.html](http://www.gombergkites.com/howgen.html)

Professor kite and the Secret of Kites

[Http://wings.avkids.com/Curriculum/Birds/paper_kites.html](http://wings.avkids.com/Curriculum/Birds/paper_kites.html)

Bird Paper Kites

[Http://www.kite-plans.com/](http://www.kite-plans.com/)

Weather site

[Http://www.nws.noaa.gov/](http://www.nws.noaa.gov/)

Satellite weather

[Http://www.rap.ucar.edu/weather/satellite/](http://www.rap.ucar.edu/weather/satellite/)

Radar weather

<http://weather.noaa.gov/radar/national.html>

Weather models

[Http://weather.cod.edu/models/](http://weather.cod.edu/models/)

Lighting info

[Https://thunderstorm.vaisala.com/](https://thunderstorm.vaisala.com/)

Severe weather

[Http://www.wunderground.com/severe.asp](http://www.wunderground.com/severe.asp)

Tracking a storm

[Http://met.psu.edu/tropical/tcgengifs/](http://met.psu.edu/tropical/tcgengifs/)

Coastal temperatures

[Http://www.nodc.noaa.gov/dsdt/cwtg/](http://www.nodc.noaa.gov/dsdt/cwtg/)

Web sites for kids with weather/science

[Http://www.highlightskids.com/Science/h8tryThisArchive.asp](http://www.highlightskids.com/Science/h8tryThisArchive.asp)

Chain reaction to weather

[Http://chainreaction.asu.edu/](http://chainreaction.asu.edu/)

Free Resource for teachers

[Http://www.theteacherscorner.net/](http://www.theteacherscorner.net/)

Another teacher resource

[Http://www.theeducatorsnetwork.com/](http://www.theeducatorsnetwork.com/)

Weather experiments

[Http://www.weatherwizkids.com/WxExperiments.htm](http://www.weatherwizkids.com/WxExperiments.htm)

Optical illusions

[Http://www.weatherwizkids.com/optical_illusions.htm](http://www.weatherwizkids.com/optical_illusions.htm)

Climate

[Http://www.weatherwizkids.com/climate.htm](http://www.weatherwizkids.com/climate.htm)

Weather instruments

[Http://www.weatherwizkids.com/wxinstruments.htm](http://www.weatherwizkids.com/wxinstruments.htm)

Have a safe February and we'll see you next month.