

December 2010 Many Waters District Cub Scout Roundtable



Den Leader Hand Out

"There is no teaching to compare with example."

Quote by: Sir Robert Baden-Powell

December 2, 2010

Agenda:

- Thrifty Crafts

In this handout:

- Crafts
 - Amazing Flying Machine
 - Make a Pinewood Derby Neckerchief slide
 - First Aid kit Neckerchief Slide
 - Book Safe
 - How to Make a Fish Weather Vane
 - Make an American Flag Slide
 - Make Nature People
 - Milk Jug Catch
 - Miniature Marshmallow Catapult
 - Make a Water Bottle Holder
 - Word Magnets

This handout can be found online at:

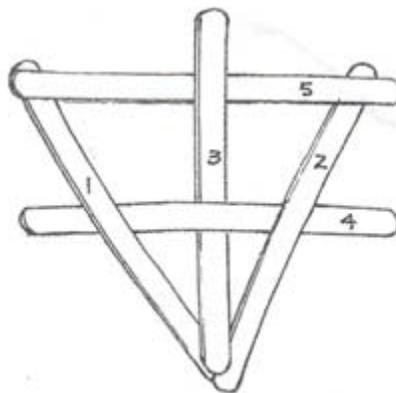
<http://manywaters.nsbsa.org/Roundtable/CubScoutRoundtableReferences.aspx>

Amazing Flying Machine

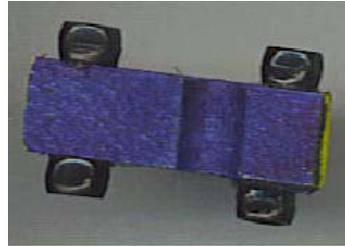
Materials Five wide craft sticks or tongue depressors.

Directions

1. Weave together five sticks as shown, in the order of the numbers on the sticks in the illustration.
2. Begin by holding sticks 1, 2, and 3 in place by pinching together at the bottom tip; add the middle stick; finish with the top stick.
3. Fly the creation like a flying disk. The craft “explodes” on contact with the ground or other surfaces.
4. Reassemble and have more fun!



Make a Pinewood Derby Neckerchief slide



Materials Clothes pins, pvc pipe cut into 3/8 inch lengths, small black beads (these are smaller than the normal bead size), markers, hot glue gun (for younger boys, have a parent set up and operate a hot glue gun station).

Note: A head of time, use a hacksaw to pre-cut the clothes pins along the lines indicated in the example below. This makes it possible for the boys to break off the remaining pieces and sand the pinewood derby car (instead of having them use tools to snip off the pieces, this is safer and takes up less time). The example below shows how you can make two pinewood derby cars from one piece of the clothes pin.



Directions

1. Break off the remaining pieces and throw away.
2. Sand any rough spots on the wood.
3. Design and decorate your car with markers.
4. Using a hot glue gun, glue the piece of pvc to the body of the car.
5. Using a hot glue gun, glue all the wheels to the body of the car.
6. Write your name on the inside of the pvc.

First Aid kit Neckerchief Slide

Materials

Plastic 35 mm film canister (I went to National Camera)

Plastic curtain ring, pipe cleaner or other device for loop

Glue

Acrylic or model paint

Self-adhesive bandages with first aid ointment

Alcohol pads

Change for phone call

Directions

1. Punch two holes in the film canister for the curtain ring or pipe cleaner and glue in place. I used a pipe cleaner and cut it in half.
2. Paint the canister white. I used the white film canisters, so I did not paint it.
3. Paint or tape first aid cross on the can. I cut a piece of red electrical tape to a length of one inch. Then, cut it in half lengthwise.
4. Put bandages, pads and change in canister.
5. Seal with lid.



Book Safe

Materials Old book, craft knife, ruler, white glue, paintbrush, fabric. At thrift stores or used bookstores, find extremely inexpensive two- to three-inch-thick books. This project relies on adult assistance to use a sharp knife. Cub Scouts add finishing touches to the book safes.

***** **Note:** I tried following these directions and it took me an hour to cut through one large book. I then changed my process to now include a drill and bench top scroll saw. I fold back the hard covers and drill through it. Then, I feed through the scroll saw blade, hook it back up, and cut on the lines. This is much faster, and dustier, so wear a mask.

Preparation With the book open to the first page, measure and mark cutting lines for a “well” Leave at least a 1-inch border on all sides of the well. Mark the opening’s location on the first paper page. Adults (only) use a craft knife to cut ¼-inch depth or less. Cut straight down through the pages. Then turn all but one of the cut pages; use the last cut page as a template to redraw the opening. Cut another ¼-inch depth; repeat until you reach the back cover.

Finishing After an adult has cut the pages, boys brush the insides with white glue and leave to dry. This makes the edges of the pages stiff and thus able to hold materials inside the opening. Optionally, Cub Scouts may line the hole with precut pieces of felt to give the opening a more finished edge. Or have boys cover the book’s front and back covers with fabric to create a keepsake.

After the glues dries, close the book safe and place it on a bookshelf as a regular book. Use it as a place in which to store special things.

How to Make a Fish Weather Vane

<http://familyfun.go.com/crafts/fish-weather-vane-665308>

Materials

- 2 large clean foam meat trays
- Scissors
- Nail and hammer
- 3 corks
- Permanent markers
- 2-foot-long wooden dowel with a 1/8-inch diameter
- 6 beads with 5/8-inch holes
- Plastic drinking straw
- Duct tape
- Clay flowerpot with a drainage hole in the bottom



Directions

1. From one of the meat trays, cut a 1-inch circle to use as a washer and two 1 1/2-inch-wide strips for direction markers. Label the ends of one strip N and S and the ends of the other E and W. (Note: A simpler option for direction markers is to print the letters on the pot.)
2. Use the nail and hammer to gently tap a hole through the centers of the foam washer, direction markers and corks.
3. From the second foam tray, cut out a large fish and color it on both sides. Keep in mind that the fish's mouth (the pointing end) must be narrower than the tail for the weather vane to work properly.
4. Tape the drinking straw vertically onto the fish.
5. Plug the hole in the flowerpot with a cork (you may have to trim it). Fit the end of the dowel into the cork.
6. Thread on one bead, a cork, the direction markers, two beads, and the foam washer; in that order. Slide the straw onto the dowel and top with another cork and the remaining beads.
7. Set the finished weather vane on a deck or fence post, orienting the direction markers with true north, south, east and west.

Note

- Instead of foam trays, we used temporary lawn signs. Instead of a wooden dowel, we used a piece of galvanized wire. This worked great because the wire fit nicely into the channels in the lawn sign (just make sure you have the channels going up and down when drawing your fish). This also allowed us to drill a hole into a scrap piece of wood for the wire, eliminating the flower pot.
- Be creative, use what resources you have available (and if they are free, all the better).

Make an American Flag Slide

Materials

- United States Flag print outs (as seen on the next page)
- Foam board (bought ours from a discount store)
- Clear contact paper
- Plastic tubing (about 7/8 inch outside diameter – bought ours at Fleet Farm in the plumbing department, \$0.62 per foot)
- Something to cut the plastic tubing
- White glue
- Hot glue gun and glue sticks

Directions

1. Apply clear contact paper to the sheet of United States flags.
2. Cut out one flag.
3. Trace the cut out flag onto the foam board, and then cut out.
4. Using the white glue, attach the flag to the piece of foam board.
5. With the assistance of an adult, cut the plastic tubing to be just shorter than the height of the flag and then hot glue them together.



Make Nature People



Materials

- Sticks and twigs
- Hand pruners (a parent's tool)
- Hot-glue gun
- Flat stone
- Colored pencils or markers
- Small objects from nature, such as pinecones, pine needles, pieces of bark, acorns, and leaves
- 8-inch piece of twine (optional)

Directions

1. Trim the sticks with the pruners and hot-glue them together to form a body with arms, a torso, and legs.
2. Draw a face on the stone with colored pencils or markers, then glue it to the torso.
3. Glue on the other features, such as pinecone feet, an acorn cap, bark pants, or a pine needle skirt.
4. Once the glue has set, you can hang your projects by tying the twine into a loop, then gluing it to the back.

Note

If you are thinking about having small intricate pieces (like short legs on a pet), you may want to use tweezers as the glue is hot.

Milk Jug Catch

Materials Two plastic milk jugs and a scissors.

Directions to Make Cut the bottom of the milk jug off and discard. Decorate the top of the milk jug any way you want.

Directions to Play Two people stand several feet apart, each holding the handle of a milk jug. Toss the ball to your partner using the milk jug. The partner tries to catch the ball with their milk jug. If it is summer, try tossing water balloons.



Miniature Marshmallow Catapult



Materials

- Craft sticks
- Wooden clothes pin
- White glue

Directions

1. Take three craft sticks and one wooden clothes pin for each catapult.
2. Apply glue to the center of two of the craft sticks and attach them to both ends of one side of the clothes pin.
3. On the other side of the clothes pin, apply glue from the spring to the thin end of the clothes pin and attach the third craft stick.
4. Allow to dry.
5. After catapult is dry, enjoy launching miniature marshmallows.

Note

This activity is best to be done at the beginning of a meeting. By the end of your meeting, you should be enjoying some launching fun.

Make a Water Bottle Holder

FamilyFun.com

Hydrate in style with the help of this hands-free bottle holder that fits most any 16- to 20-ounce bottle.



Materials

- Clear nail polish
- 4 – 5 feet of cotton or polypropylene belt webbing (available at fabric stores) for the strap. Note: smaller kids may want shorter straps.
- 2 no-sew dungaree buttons (available at fabric stores)
 - We didn't use these, we just tied a knot. This makes it easier and cheaper.
- 1 rubber O-ring from the hardware store plumbing department (ours was 1 1/8 by 7/8 by 1/8 inches). Take a bottle to the store to test the fit before you buy.
 - We couldn't find that size, but we did find these at Home Depot and they seemed to work just fine. A pack of 10 was less than \$2.00.



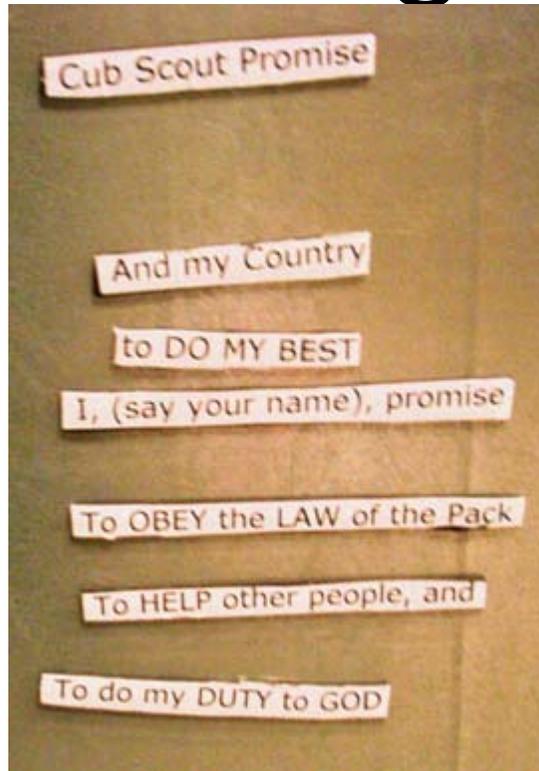
Directions

6. To prevent fraying, brush clear nail polish (supervise younger kids) onto both ends of the webbing and allow it to dry.
7. To make the strap:
 - a. Feed 2 to 3 inches of the webbing through the O-ring and secure with a dungaree button. (Push the tack through the webbing, place the button on the point, and press firmly together.) Repeat for the other end of the webbing. Be careful not to twist it before you attach the second button.
 - b. We didn't get so complicated, which I think works better. We made the strap just a little longer and just tied it (about 4.5 feet). That way you can always change the length of the strap.
8. Decorate the strap if you like.
9. Slip the O-ring over the neck of the water bottle.

Note

Be mindful of the type of material you use to make the strap. If you use the belt webbing, the cost per unit increases (\$.97/yard at Walmart). I preferred the 1 inch ribbon (\$1.97/18 feet at Walmart).

Word Magnets



Materials

- Words, sayings, or blank paper to write on
- Magnets that come in a roll (they are easy to cut with a scissors)
- scissors

Directions

- Cut out the words or phrases of words.
- Cut the magnet to be the same size of the words.
- Remove the film over the adhesive on the back of the magnet.
- Attach the words to the magnet.

Notes

This can also be a den project to create training activities to help the boys learn different things for their current rank.

Cub Scout Promise

I, (say your name), promise
to DO MY BEST
To do my DUTY to GOD
And my Country
To HELP other people, and
To OBEY the LAW of the Pack

Law of the Pack

The Cub Scout follows Akela.
The Cub Scout helps the pack go.
The pack helps the Cub Scout grow.
The Cub Scout gives goodwill.

Cub Scout Motto

DO YOUR BEST

The Pledge of Allegiance

"I pledge allegiance
to the flag of the United States of America,
and to the republic for which it stands,
one nation under God, indivisible,
with liberty and justice for all."