



CubRoundtable.com



Volume 7, Issue 1
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Welcome to www.CubRoundtable.com
RT Newsletter
Webelos activity badges Scholar and Engineer

**Theme: Aloha, Cub Scouts
PRE OPENING ACTIVITIES**

February: Aloha Cub Scouts

Tigers - Ach 1G

Elect. 1, 2

Wolf - Ach 4F, 11D

Elect. 4D, 12E, 22B

Bear - Ach 3E, 4A, 5A, 8A, 17A, 18D, 21F

Elect. 24

Mahalo (Thanks, gratitude) to all who are Scout Leaders. As we wrap up the old year and start the new year let me say **Mele Kalikimaka** (Merry Christmas) and **Hau'oli Makahiki Hou** (Happy Year New).

I was fortunate to have a good family friend who is Hawaiian and gain a roommate while in college who is Japanese-Hawaiian. I have loved the Islands for many years and was blessed to spend my honeymoon in '85 on Maui. Growing up in Indiana, I spent many hours reading up on the history and lifestyle of the Islands. After meeting my college roommate I found and purchased a Hawaiian dictionary. I'm not sure if it is available any more but I've had fun with it. It's now called **The New Pocket Hawaiian Dictionary** ISBN 0824813928 **\$5.95** by the University Press of Hawaii in Honolulu. There is not a lot of Cub resources for this theme so we will try to come up with pieces that you can mix together. Carol (Kālola)

Hawaiian Puzzle

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

WORDS FOR THE HAWAIIAN PUZZLE

- | | |
|--|-------------------------|
| WIKIWIKI (HURRY) | PEA (BEAR) |
| ALOHA (LOVE, GREETINGS) | LEI (GARLAND) |
| ALOHA AHIAHI (GOOD EVENING) | KEIKI KANE (BOY) |
| ALOHA KAKAHIKA (GOOD MORNING) | HAU (ICE) |
| KAIKAMAHINE (GIRL) | LUPO (WOLF) |
| MENEHUNE (Hawaii's magical little people) | |
| POI (pounded paste made from Taro) | |
| POKI (ground and spiced raw tuna) | |
| KAHUNA (Hawaiian wise man) | |
| KEIKI (children) | |

ANSWERS TO HAWAIIAN PUZZLE

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

ADVANCEMENT

www.scoutxing.com/

Hawaiian Advancement

PERSONNEL: Master of ceremonies, conch shell blower (optional), six Cub Scouts, someone to operate a tape player.

EQUIPMENT: Tropical plants, tiki torches (improvised imitations for indoors); headdress and lei for the master of ceremonies; a shell or flower lei for each adult participant; conch shell; Hawaiian music and tape player; cards printed with the Hawaiian words; and for each person being recognized, a certificate or award and a flower or paper lei.

ARRANGEMENT: The torches on stage are lighted, and the house lights are turned down. Soft Hawaiian music playing in the background fades out. Three blasts of the conch shell start the ceremony; then the shell is blown four more times. The first blast is made facing east. Then there is a slight pause, and a chant may be performed. The second blast on the conch shell is made facing west. Then there is another pause, and another chant may be performed. The third blast is made facing south, and another pause is allowed. The fourth blast of the conch shell is made facing north.

MASTER OF CEREMONIES: (Addresses the audience in the traditional greeting style.) Aloha! Welcome to our [month] pack meeting. Traditional Hawaiian family life has many of the same ideals as Cub Scouting.

(The first Cub Scout comes on stage carrying a card with the word **ALOHA** on it.)

Aloha has many meanings: love, affection, compassion, mercy, pity, kindness, charity, hello, good-bye, alas, and regards. The Hawaiian family provides a ready source of love, affection, kindness, courtesy, and hospitality. In Hawaii, aloha is shown and given not only to family members but to all who visit.

(The second Cub Scout comes on stage carrying a card with the word **IKE** on it.)

Ike means to recognize everyone as a person. Everyone needs to be recognized, especially children.

Ike can be given in a number of ways. It can be a look, a word, a touch, a hug, a gesture, and even a scolding. Children need to give **ike** to each other, so if the teacher demonstrates the giving of **ike** then the children will follow the example.

(The third Cub Scout comes on stage carrying a card with the word **KOKUA** on it.)

Kokua, which means help, was an important part of every household in old Hawaii. Every member helped get the work done. They did not have to be asked to **kokua**. They helped whenever they saw help was needed.

(The fourth Cub Scout comes on stage carrying a card with the word **KULEANA** on it.)

Kuleana. One of the most important **kuleana**, or responsibilities, of every family member was to maintain acceptable standards of behavior. Attention-seeking behavior was frowned upon, and respect for social rank and seniority was a must. Each person was taught what was acceptable and not acceptable. He or she learned to accept

and carry out his or her **kuleana**, or responsibilities, willingly.

(The fifth Cub Scout comes on stage carrying a card with the word **LAULIMA** on it.)

Laulima means many hands. Everyone in the family the **ohana**-shared the workload. Whether it was planting, building a house or a fishpond, preparing a meal or fishing, each person did a share of the work to get it done. If a man wanted a house built, his ohana-his family-willingly came to help. They gathered the building materials, built the foundation, put up the frame, and installed the thatched roof.

They also gathered the pili grass and other thatching materials. Children helped in whatever way they could. This kind of **laulima** made the work easier and more enjoyable.

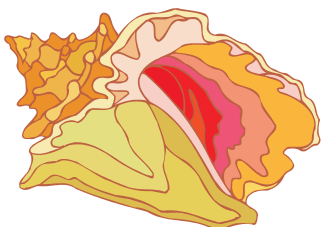
(The sixth Cub Scout comes on stage carrying a card with the word **LOKAHI** on it.)

Lokahi means harmony and unity. The family considered **lokahi** very important, not only with people but also with the universe. The members of the family showed this in their daily living by sharing goods and services with each other.

The **ohana**, or family members, generously gave to others no matter how little they had themselves.

Strangers were greeted with aloha and invited to come in and partake of food. Anyone visiting another area took food or a gift as a symbol of hospitality. They established **lokahi** with the universe by observing the law of daily living, which included homage to the gods. This kind of behavior nurtured harmony in the family-**lokahi** in the **ohana**.

(During the awards and recognition portions of the program, leis are presented in addition to the badges or certificates.)



Four blasts of the conch shell are repeated. This time the directions change: first to the north, second to the south, third to the west, and fourth to the east. Another version is three blasts: one to the mountains, one to the land, and the third to the sea.)

This concludes our meeting. **Mahalo**-thank you-for your attendance. **Aloha**.

HO'OHIKI KIEKI KIU (Cub Scout Promise)

O wau o amalia, ho'ohiki no ka hana ana I kou
=

I, [name], promise to do

kilohana = my best

Me ka hana ana i ka'u mahelehana, =

To do my duty to God and

i ke akua ame ko'u a'ina kahiki, =

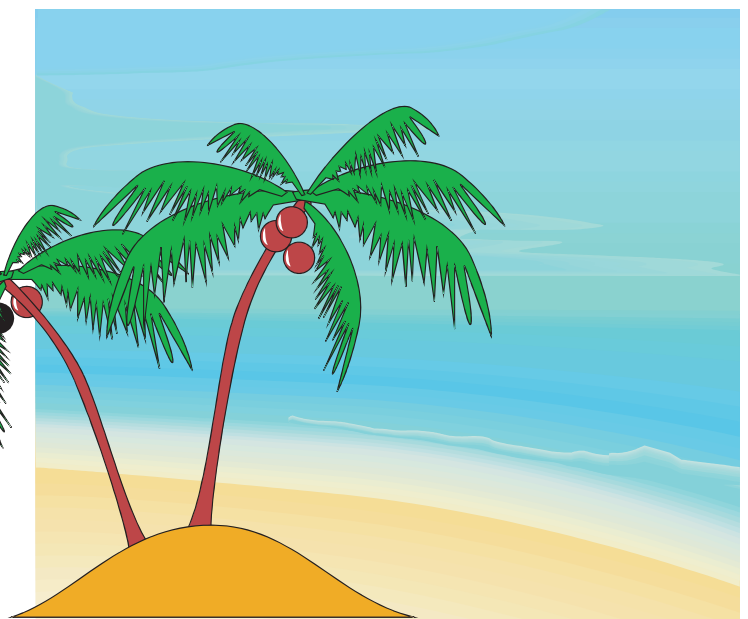
my country,

A e kokua i kekahi po'e =

To help other people, and

A e ho'olohe i na kanawai o ka pu'ali. =

To obey the Law of the Pack.



HAWAII, ALOHA

1. E Hawaii, e kuu one
hanau e
Kuu home kulaiwi nei,
Oli no au i na pono laniou
E Hawaii, Aloha e.

Chorus:

E hauoli e na opio o Hawaii nei
Oli e! Oli e!
Mai na ahehe makani e pa mai nei
Mau Ke Aloha, no Hawaii.

2. E ha'i mai Kou mau Kini
lani e,
Kou mau Kupa aloha,
e Hawaii
Na mea olino kamaha'o
no luna mai
E Hawaii, Aloha e.

3. Na Ke Akua e malama
mai ia oe,
Kou mau Kua lono
Aloha nei
Kou mau Kahawai
olinolino mau
Kou mau mala pua
nani e.

ENGLISH

1. O Hawaii, o sands of
my birth
My native home,
I rejoice in the blessings of heaven
O Hawaii, Aloha.

Chorus:

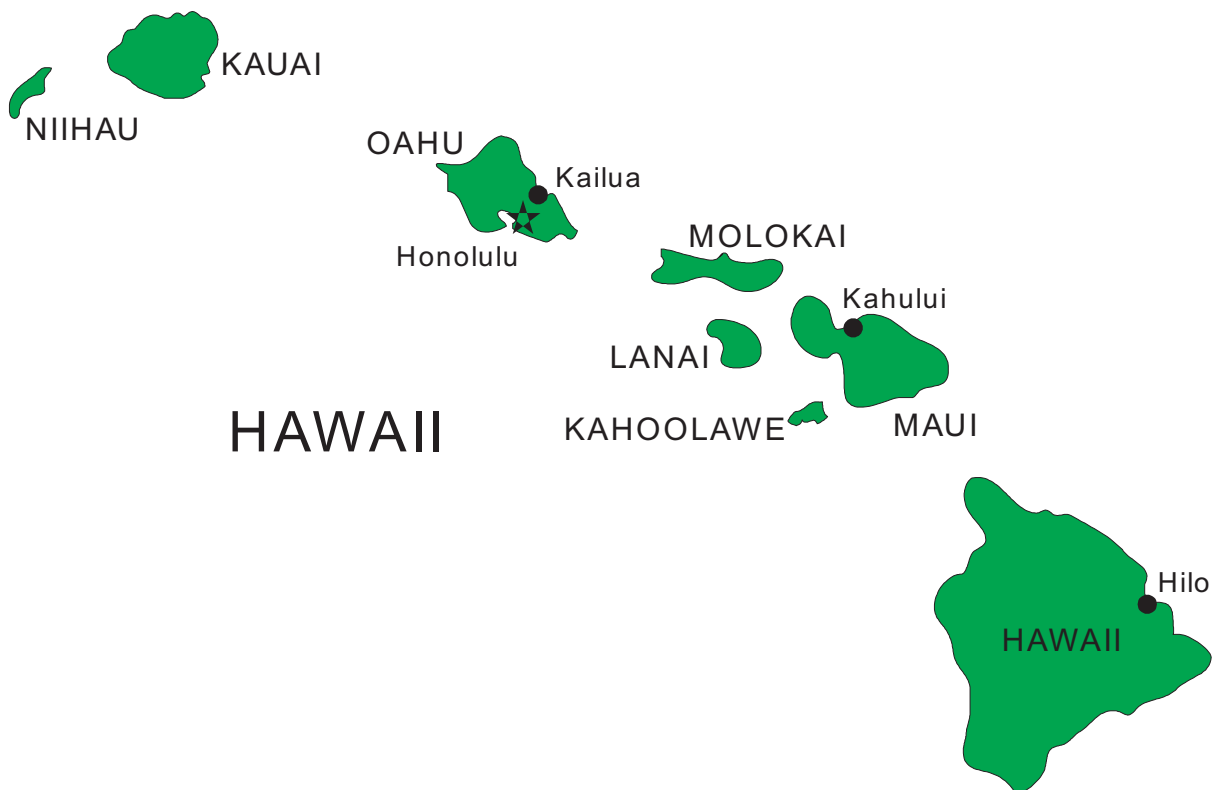
Happy youth of Hawaii
Rejoice! Rejoice!
Gentle breezes blow
Love always for Hawaii.

2. May your divine throngs
speak,

Your loving people,
O Hawaii.

The holy light from above.
O Hawaii, Aloha.

3. God protects you,
Your beloved ridges
Your ever-glistening
streams
Your beautiful flower
gardens.



Hawaiian games

http://www.hawaii.com/includes/modules/display_article_iframe.php?articleID=40

Konane

(similar to checkers & chess)

One of the culture's more strategic games was konane, similar to a blend of chess and checkers. The game included a pitted stone checkerboard (called a papamu), with black and white pebbles made of lava and coral (known respectively as 'ili 'ele and 'ili kea). The number of holes on the papamu, set in even rows, varied from 64 to 250 — depending on how long participants wanted the game to last.

To play: If you don't have black lava and white coral pebbles, beachcomb for suitable substitutes. If you don't live near a beach, check craft or hobby stores for polished or unpolished stones.

As far as crafting a game board, your imagination is the only limit. Chiseling an authentic papamu is time-intensive, but if you're up to the challenge, look for a large flat rock in which to carve holes. (Note that the holes, especially the indent in the center, were traditionally inset with human teeth.) The rules are similar to checkers. All holes on the papamu are filled with stones, alternating dark and light. The game starts by removing an 'ili 'ele (dark stone) from either the center of the board or one of the board's corners. The next move is to take away an 'ili kea (light stone) adjacent to the newly removed dark stone.

The game progresses from here much like checkers: Players take turns trying to capture their opponent's 'ili by jumping the stones horizontally or vertically. As in checkers, you can make more than one jump during a move if there's an empty hole between jumps and the stones being jumped are in the same row or column. You can't move diagonally, or switch directions within a move.

A strategy note: The winner is the last person who can make a legal move, not the person who has captured the most 'ili or has the most remaining pieces on the board.

'Ulumaika

(similar to lawn bowling)

The Hawaiians also played 'ulumaika, a game that resembles contemporary lawn bowling.

Descriptions of the game vary, but following are the essential elements: A round rock about

two short wooden stakes. A point is gained each time the rock passes through the stakes. The stakes can be as close together as five or six inches or as far apart as two feet, depending on how challenging you want the game to be. Similarly, participants can stand as close to the posts as a yard away, or further back. It's best to play one person at a time unless you have a large yard and can set up stakes far apart from each other (and from the rest of the party — think of it as a horseshoe pit).



Photo from <http://www.correetimes.com/games.htm> - there's also more info on both of these games and another photo of Konane.

Want to learn about more Hawaiian games go to <http://gamesmuseum.uwaterloo.ca/Archives/Culin/Hawaii1899/games/index.html> There's 91 games with commentary about the games.

How about making Kapa cloth printing or Lau (leaf) printing or Lauhala weaving for your Blue and Gold decorations. Check out <http://library.thinkquest.org/J0110077/crafts.htm>

Another game called "ulu maika is interesting for all ages. You roll a stone through 2 stakes. See <http://library.thinkquest.org/J0110077/ulumaika.htm>

Want to make a lei? This site makes it easy for children. <http://parenting.leehansen.com/crafts/hawaiian-lei-craft.htm>

Check out <http://www.hisurf.com/hawaiian/dictionary.html> if you'd like to find out the translation of an English word to Hawaiian or check out <http://www.hisurf.com/hawaiian/names.html> know you Hawaiian name.

Want to be able to write with Hawaiian fonts.
Check out <http://www.olelo.hawaii.edu/>

To really see the some real cool marine animals
check out
<http://www.mauioceancenter.com/home.html>
See the turtle tracking and see a cam of their
aquarium.

To learn more about the culture and history check
out
<http://www.kaiwakiloumoku.ksbe.edu/home.php>

Interested in Astronomy check out
<http://www.ifa.hawaii.edu/users/steiger/introduction.html> and
<http://www.scoutsonline.com/pack464/stars.htm>
for a Star party. This Pack also participates in
JOTA/JOTI so get ready to connect in Oct. Check
out what the weather is like while at this site.

What a Luau with out a **The Hawaiian Coconut
Egg Tutorial's** from
<http://www.angelfire.com/co/coconutart/coctutfrmsset.html>



**Can you believe this is a coconut shell and it
has some Super Sculpey clay added. This of
these decorating your tables at the Blue and
Gold and then using them later for a treasure
chest?**

Help Hawaii preserve their endangered species at
<http://www.hisurf.com/~enchanted/>

For corporate America go Hawaiian and learn team
building games at
<http://www.corpteamfun.com/luau.html>

Time for the great party the Luau!! to get the lay of
the land go to <http://www.hisurf.com/Luau/>
The menu for your luau.

While in Maui, I got to check out
http://www.hilohattie.com/items.cfm?catid=22&objectgroup_id=446 and got a cool Sarong and a
Hawaiian T-shirt.

This is my favorite place for T-shirst from Hawaii
<http://www.crazyshirts.com/> whether it's the North
Shore pipeline, surfboards or Kona Jacks label you
can find THE t-shirt here BRO!

Want Hawaiian music for your Luau. Check out online
Radio stations from the islands.
<http://www.kwxx.com/> 94.7 101.5 FM Kona
<http://www.mauigateway.com/~jamz/index.shtml>
<http://www.kpoa.com/index.php?intro=1> 93.5FM
<http://www.kpoa.com/index.php?intro=1>
<http://www.kpoa.com/index.php?intro=1>
91.9fm Islandwide 90.9fm Hanalei
92.7fm Anahola 104.7fm O'ahu

For Hawaii State Symbols:

state flag
<http://www.kidzone.ws/geography/usa/hawaii/flag.htm>
state map
<http://www.kidzone.ws/geography/usa/hawaii/map.htm>
state bird (Nene) [activity worksheet]
<http://www.kidzone.ws/geography/usa/hawaii/nene.htm>
[coloring page]
<http://www.kidzone.ws/geography/usa/hawaii/nene2.htm>
state flower (Yellow Hibiscus) [activity worksheet]
<http://www.kidzone.ws/geography/usa/hawaii/hibiscus.htm>
[coloring page]
<http://www.kidzone.ws/geography/usa/hawaii/hibiscus2.htm>
state bird and state flower coloring page
<http://www.kidzone.ws/geography/usa/hawaii/both.htm>

<http://www.alohafriends.com/>

Hawaii Theme Luau Games at
<http://www.alohafriendsluau.com/games.html>

**Love – Aloha
Merry Christmas - Mele Kalikimaka
Peace – Malu
Hope Santa Claus – Kanakaloka
is good to you this year!!!**

**Santa's Favorite Hawaiian Trail Mix
Macadamia Nuts
Candied Pineapple Chunks
Chex Cereal
Pretzels**

WEBELOS
Scholar
Cascade Pacific Council

Seven Hints for Studying

Studying is work, but so is football practice or putting together a model rocket. It's the right mental attitude that can make the difference in your study habits. On the football field, the coach has planned your workout systematically. So much time for drill, so much for tackling, and so on. And a good way to achieve better grades is to plan a study system that's just right for you.

Here are seven study hints:

1. Choose a regular time for study; an hour right after dinner, for example. That will leave you with time for play after school and time for television, meetings, and friends afterwards.
2. Make it a habit so that you don't even think about it - as natural as breathing.
3. Practice reading for speed so that you can get more work done in less time.
4. Start off each school term by working twice as hard as you thought you could. The momentum you build will carry you right through the term. Your grades will pick up, too.
5. Listen carefully in class. Make notes. Use study periods for homework and study.
6. On exams, do the problems that seem the easiest first. Then tackle the more difficult ones.
7. And no radio, television, or talking with a buddy while you're doing homework.

Tips on How to Talk To Your Teacher

A good conversation with your teacher can increase your chances of making better grades, participating in clubs, working on new projects or earning school awards.

1. Set talk goal and decide exactly what you want.
2. Prepare what you will say with a parent or friend. Make notes on information you might need or questions you need to ask.
3. Select a time when your teacher isn't busy. Make an appointment. Be polite, act natural and be honest. Ask for a chance to earn what you want and for suggestions on ways to improve your skills or behavior. Be sure to thank your teacher.
4. Check your attitude. Are you willing to work to improve?

5. After your talk, write down what you said and your teacher agreed on. Follow through on the suggestions and fulfill your commitment. Keep trying even if it's hard. If you need help, ask for it. Teachers are people too; they respond to genuine interest and enthusiasm. They want you to be a success.



Games

Intelligence Test

This test is to see if you can follow directions. Just concentrate, but remember, you have only 2 minutes.

1. Read everything before doing anything,
2. Put your name in the upper right-hand corner of this paper.
3. Circle the word "name" in sentence number 2.
4. Draw five small squares in the upper left-hand corner of this paper.
5. Put an "x" in each square.
6. Put a circle around each square.
7. Put a circle around each word in sentence number 5.
8. Put an "x" in the lower left-hand corner of this paper.
9. Draw a triangle around the "x" you just put down.
10. If you think you have followed directions up to this point call out "I have."
11. Now that you have finished reading carefully, do only number 1 and number 2.
12. You have finished. How did you do?

Aptitude Test

1. If you went to bed at 8:00 at night and set the alarm to get up at 9:00 the next morning, how many hours of sleep would this permit you to have?
2. Do they have a 4th of July in England?
3. Why can't a man living in Winston-Salem, N. C. be buried west of the Mississippi?
4. How many birthdays does the average man have?
5. If you have only one match and enter a room in which there is a kerosene lamp, an oil heater and a wood burning stove, which do you light first?
6. Some months have 30 days; some have 31. How many have 28?
7. If a doctor gave you three pills and told you to take one every half hour, how long would they last?
8. A man built a rectangular house. Each side has a southern exposure. A big bear comes wandering by. What color is the bear?
9. How far can a dog run into the woods?

10. What four words appear on every U.S. coin?
11. In baseball, how many outs are in each inning?
12. I have in my hand two U.S. coins which total 55 cents. One is not a nickel. What are the two coins?
13. A farmer had 17 sheet. All but nine died. How many did he have left?
14. Divide 30 by 1/2 and add 10. What is the answer?
15. Take two apples from three apples and what do you have?

12 correct -- genius; 8 correct -- normal; 5 correct -- not so good; 3 correct -- back to school!

Answers to Aptitude Test

1. one hour
2. yes
3. He has to be dead first.
4. one
5. the match
6. all of them
7. one hour
8. white
9. halfway
10. United States of America or In God We Trust
11. six
12. A half dollar - which is not a nickel - and a nickel.
13. nine
14. 70
15. two apples

Scout Law Dart Board

Using a dart board with the numbers one through twelve have each boy, in turn throw a dart at the dart board and score a point if he can recite the point of the Scout law that relates to that number.

If he is correct he gets one point and may continue throwing. The first boy to score 12 points wins.



Do You Know Your Alphabet?

What letter is:

1. A vegetable? (P)
2. A body of water? (C)
3. Part of the head? (I)
4. A female sheep? (U)
5. Part of a house? (L)
6. An actor's signal? (Q)
7. A drink? (T)
8. Command to a horse? (G)
9. An exclamation? (O)
10. An insect? (B)
11. A bird? (J)
12. A question? (Y)

WEBELOS

Engineer
Cascade Pacific Council

Do-it Yourself Flashlight

This flashlight can be assembled easily and provide a fun project for the boys. And better yet, it actually works!

Materials:

Flashlight battery
Bulb

Plastic pill bottle with a flexible lid Insulated wire

1. The pill bottle should be large enough for the battery and bulb base to fit inside it. The wire should be the kind that can be bent easily. Scrape the insulation from one end of your wire and form it into a flat coil.
2. Attach the coil to the bottom of the battery with adhesive tape.
3. Cut an opening in the center of the pill bottle lid, so that the base of the bulb will fit. Push base of bulb through hole in lid.
4. Scrape the other end of the wire and wind it around the base of the bulb. Secure in place with some tape.
5. Crumple small pieces of paper. Place enough of this in the bottom of bottle so that when battery is inserted and the lid is tightly in place, the bottom of the bulb will just make contact with the raised center top of the battery.
6. Hinge one side of the lid to the bottle with tape.
7. When lid is closed, the bulb will light. To shut off your flashlight, flip the lid up. This light creates a dim glow. If you want a larger light, use two batteries in a larger container.

Make Your Own Pulley

Great Salt Lake Council

Materials: Wire, spools, string, hook, and bucket full of heavy objects

? Bend about 8" of wire into a triangle shape and push the ends into a thread spool.

? Find a suitable place to hang your pulley. (A hook in the garage or the hook at the end of a planter will do.)

? Tie one end of the string to the handle of the bucket full of heavy objects.

? Wind the string over the spool.

? Pull the bucket up. Is it easier to lift the load with the pulley? How much string do you have to use to lift the load one foot?

Make Electricity with a Lemon Battery

Great Salt Lake Council

Materials: Lemon, steel wool, copper nail, zinc nail.

? Scrub a copper nail and a zinc nail with a piece of wool until they are clean and shiny.

? Rinse the nails under the water faucet.

? Poke the pointed ends of the nails into the center of a fresh lemon. Spaces the two nails about 1" apart and leave 1/2" of each nail protruding.

? Take a small LED (light emitting diode) and touch the leads to the two nails. You should see a glow. When I was a Cub Scout, we stuck out our tongue and touched the tops of the two nails and felt a tingle. What Happened? You have just made a simple chemical battery and the glow you saw or the tingle you felt on your tongue was electricity! Because the lemon contains acid and water, which reacts with the metals, zinc and copper, a slight electrical current was formed and it passed over your tongue from one nail to the other.

Build A Rocket Engine From A Chicken Egg

Cascade Pacific Council

This engine works by the same principle as the engines of future starships. Its jet of steam allows it to propel a simple boat.

Materials:

An uncracked raw chicken's egg

A fine knitting needle

A basin

All purpose glue

A metal foil food container (such as TV dinners come in)

Scissors

A paper clip

A few inches of stiff wire

A candle

Wash the outside of the egg and pierce a tiny hole through it from end to end, using the knitting needle. Hold the egg over a basin and blow through one of the holes. The yolk and white of the egg will come out of the hole at the other end of the shell and fall into the basin. Hold the eggshell under water and remove it when it is about half full. Put your fingers over the holes and shake it to clean the inside. Blow out the contents, then rinse the eggshell again in the same way. Now dry the outside of the shell and seal one of the holes with a blob of thick glue, leave the glue to set. Make the boat from the metal food container. Trim the sides with scissors and bend one end to form the boat's curved bow. Clip a

small flap of scrap foil to the stern of the boat to act as a rudder. Bend the piece of wire to form a cradle for the eggshell. Cut a small piece from the top of the candle. Hold the shell under water so that a little water enters. Do not let too much in as it will take a long time to boil. Using hand hot water will speed things up. Arrange the candle stump, wire frame, and shell as shown and light the candle with an adult's help.

After a few minutes the boat will move forward, driven by the thrust of the eggshell rocket.

Simple Catapult

Cascade Pacific Council

Supplies: 3" by 6" block of wood, spring-type wooden clothespin, tongue depressor, milk bottle lid, hot glue gun

Glue the clothespin to one end of the wooden block. Glue the tongue depressor $\frac{3}{4}$ inch from the end of clothespin. Glue the milk bottle lid to the other end of the tongue depressor. Now use this catapult to aim cotton balls at a bucket or other target.

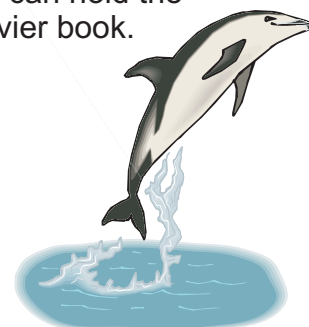
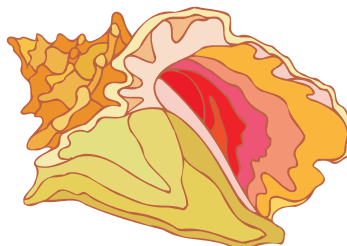
Edible Bridge

Cascade Pacific Council

Supplies: Toothpicks, gumdrops or mini-marshmallows

Challenge the Webelos Scouts to build a bridge that can span two chairs and hold the weight of a book or magazine. Have them work together to create the lightest possible bridge that can hold the most weight.

Have the boys investigate the construction of things in and around the house. What kinds of supports hold up the kitchen table, dining-room chairs, the roof, the mailbox? Have them build a few geometric shapes out of toothpick and gumdrops and test them for strength. They will soon discover that the triangle is the strongest shape – all three sides work together to support the weight placed on it. After they complete their bridge designs, put the bridge to the test. Place it between two chairs and place a magazine on top. IF the bridge can hold the magazine, move on to the heavier book.



WEB SITES

These sites are current as of 12-20-06

<http://www.hawaiiancollectibles.com/stones/game.html>

<http://www.spiritsouthseas.com/backup/hawaiianculture.htm>

<http://www.coffeetimes.com/games.htm>

<http://pbskids.org/zoom/activities/games/ulumaika.html?print>

http://www.hawaii.com/includes/modules/display_article_iframe.php?articleID=40

http://www.pinatas.com/Luau_Party_Games_s/139.htm

<http://library.thinkquest.org/J0110077/ulumaika.htm>

<http://www.hawaiiibc.com/history.htm>

<http://www.hookele.com/hccm/sites.html>

<http://www.corpteamfun.com/luau.html>

http://www.spc.org.nc/AC/Palau/july_25.htm

<http://www.hawaiianluauparty.com/luauparty/games.cfm>

<http://www.coffeetimes.com/games.htm>

http://familyfun.go.com/parties/birthday/feature/famf0702_hawaiianbday/famf0702_hawaiianbday.html

<http://library.thinkquest.org/J0110077/konane.htm>

<http://library.thinkquest.org/J0110077/ulumaika.htm>

<http://library.thinkquest.org/J0110077/tapa.htm>

<http://library.thinkquest.org/J0110077/crafts.htm>

<http://www.alohafriends.com/>

<http://gamesmuseum.uwaterloo.ca/Archives/Culin/Hawaii1899/index.html>

<http://gamesmuseum.uwaterloo.ca/Archives/Culin/Hawaii1899/games/index.html>

http://www.transparent.com/games/wordseek/Hawaiian_wordseek.htm?uwl=hwetime.uwl

http://store.digitalriver.com/servlet/ControllerServlet;jsessionid=05d0a8fa4fe2402db5e8ef50aae627cc?Action=DisplayPage&Locale=en_US&SiteID=transpar&id=ProductDetailsPage&productID=4201950
<http://www.aloha-hawaii.com/almanac/>

<http://www.alohacouncilbsa.org/>

<http://parenting.leehansen.com/crafts/hawaiian-lei-craft.htm>

<http://www.angelfire.com/co/coconutart/coctutfrmset.html>

http://www.hawastsoc.org/http://www.scoutxing.com/ceremonies/ceremonies_2844.htm

<http://www.ifa.hawaii.edu/users/steiger/introduction.html>

<http://www.scoutsonline.com/pack464/stars.htm>

<http://www.olelo.hawaii.edu/>

<http://www.hisurf.com/hawaiian/dictionary.html>

<http://www.hisurf.com/FairyTales/>

<http://www.hisurf.com/Luau/>

<http://www.kaiwakiloumoku.ksbe.edu/home.php>

http://www.kaiwakiloumoku.ksbe.edu/aahoaka/canoe_fest.php

<http://www.1stluau.com/alacarte.html>

<http://www.hilohattie.com/category-index.cfm?catid=23>

<http://www.coconutgreetings.com/>

<http://www.orientaltrading.com/application?namespace=browse&origin=home.jsp&event=catalog&categoryId=377343&tabId=PartySupplies>

<http://aliiflowers.com/>

Web cam <http://www.maunalani.com/> <http://www.seehawaii.com/skr-cam.cfm>

<http://www.kidzone.ws/geography/usa/hawaii/nene.htm>

<http://www.kidzone.ws/geography/usa/hawaii/flag.htm>

<http://www.kidzone.ws/geography/usa/hawaii/both.htm>

<http://www.kidzone.ws/geography/usa/hawaii/map.htm>

<http://familycrafts.about.com/cs/makingflowers//blflohlei.htm>

<http://www.dltk-kids.com/crafts/miscellaneous/mcoconut.htm>

<http://www.dltk-teach.com/books/littlecritter/index.htm>

<http://www.hisurf.com/~enchanted/http://fm.hisurf.com/hawaiian/wordoftheday.html>



Learn a Hawaiian word every day with Mo'o
Ko'a means fishing grounds

<http://www.hisurf.com/Recipes.html>

<http://www.alternative-hawaii.com/actg.htm>

<http://www.mauioceancenter.com/home.html>