



# AMERICAN ELM DISTRICT



Volume 5, Issue 8  
Nov. 10, 2005

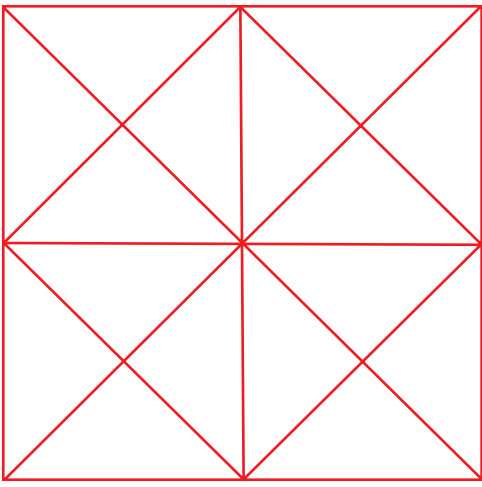
Welcome to American Elm District Cub Scout  
Roundtable Electronic edition  
Webelos activity badges Craftsman and Scientist

Theme: Faith, Hope and Charity  
**PRE OPENING ACTIVITIES**  
By Heart of America Council

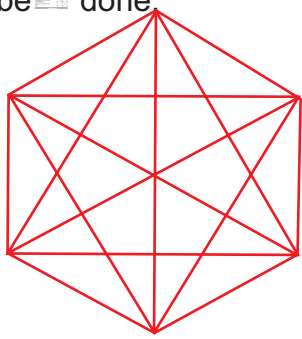
### Puzzle

There are at least 10 squares  
and 44 triangles in the figure  
below.

Can you  
find  
them all?



Can you find 90 triangles in  
this figure? It takes a lot of  
work, but it can be done.



### Giving Gifts Puzzle

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

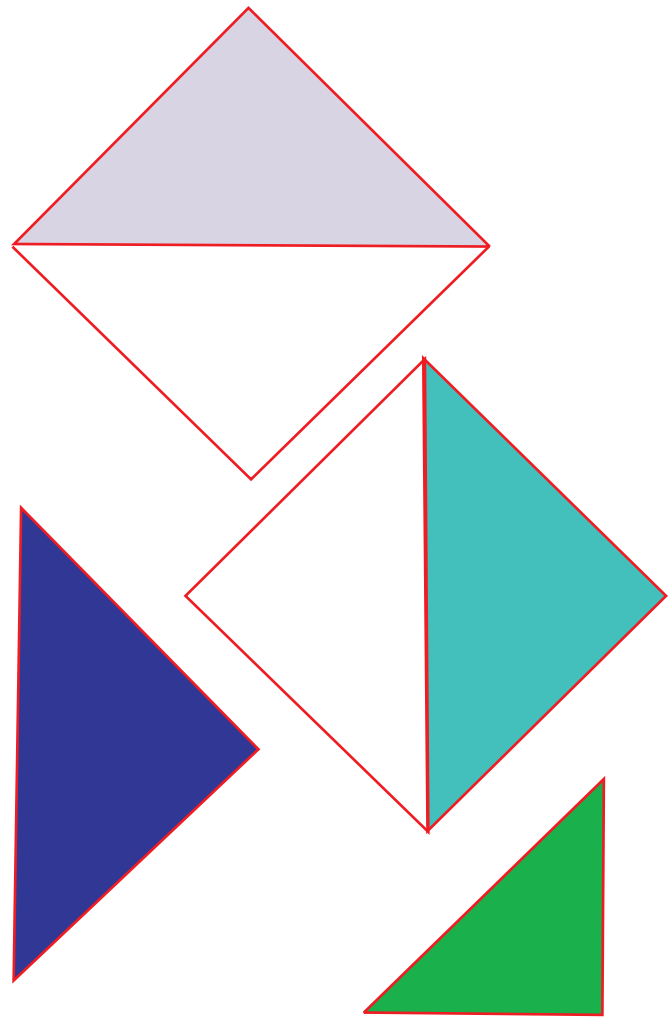
### WORDS FOR THE GIVING GIFTS PUZZLE

- |          |          |           |
|----------|----------|-----------|
| KINDNESS | CARING   | GIFTS     |
| GOODWILL | PRESENTS | CHRISTMAS |
| DECEMBER | HELPFUL  | CARING    |
| WILLING  | HANUKKAH | SHARING   |



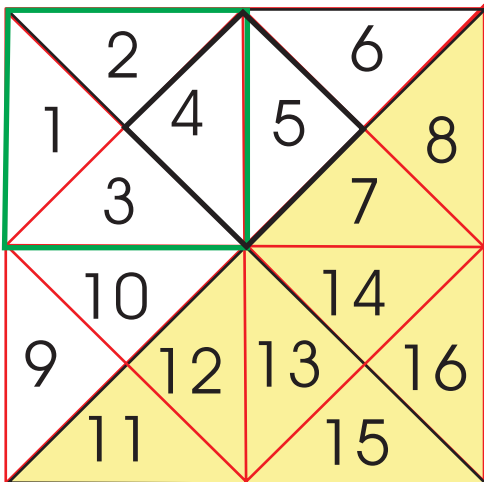
**ANSWERS TO WINTER PUZZLE**

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

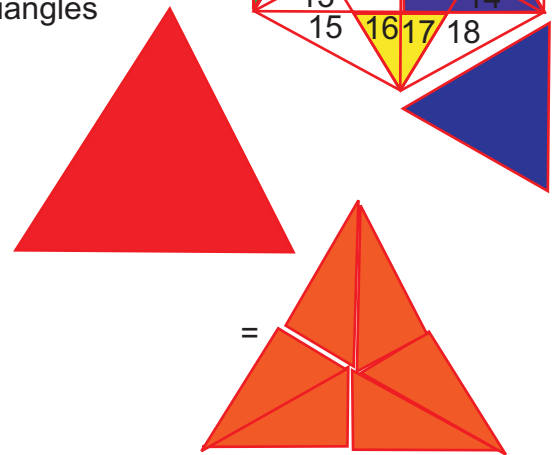
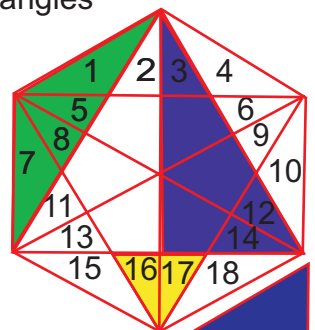


**PUZZLES**

- 16 small triangles (numbered 1-16)
- 4 triangles 2 yellow 2 white
- 2 more triangles 1 pink and 1 opposite
- 2 more triangles 1 blue and 1 opposite
- 16 of the green triangles( 1 & 2, 3 & 4...)
- 4 triangles in purple (2, 4 5, & 6...)



- 18 small numbered Triangles
- 36 Orange Triangles
- 12 Purple Triangles
- 6 Yellow Triangles
- 6 Green Triangles
- 6 Red Triangles
- 6 Blue Triangles
- 90 Triangles



Faith, Hope and Charity are very important to mankind. Without these values, man would not be what he is today. Can we improve on where we are now? YES! We can build on the spark that is there. December, brings out the essence of giving and sharing. It's in the sights all around us, the smells that fill the air! Even the **Grinch** came around when someone showed him that they cared.

**Faith** - You will find in this newsletter a piece on the updated P. R. A. Y. program and it's web site. I hope that you will check out the area pertaining to your religious faith. If your District or Council does not have a team of Scouters who help guide Scouts and their Leaders to complete this program maybe you could volunteer to help set one up. Many parents and leaders do not either know about the program or have the time to devote to it. Whether you light 1 candle or 9 candles, "**Duty to God**" is at the heart of the Scouting movement. This program reinforce this spiritual component and promote many of the values found in the Scouting program.

**Hope** - Peace and harmony with others. Take a long look at the character of a person before making a judgement about someone. First impressions can be wrong.

**Charity** - Think about what you can do today as a surprise to brighten up someone, maybe even someone you don't know. The surprise is the kicker! Watch their reaction and feel the warmth.

Watch the movie "**Pay it Forward**"

**[Http://payitforward.warnerbros.com/Pay\\_It\\_Forward/Trevor](http://payitforward.warnerbros.com/Pay_It_Forward/Trevor)**, the 12-year-old hero of **Pay It Forward**, thinks of quite an idea. He describes it to his mother and teacher this way: "You see, I do something real good for three people. And then when they ask how they can pay it back, I say they have to Pay It Forward. To three more people. Each. So nine people get helped. Then those people have to do twenty-seven." He turned on the calculator, punched in a few numbers. "Then it sort of spreads out, see. To eighty-one. Then two hundred forty-three. Then seven hundred twenty-nine. Then two thousand, one hundred eighty-seven. See how big it gets?"

**[Http://www.payitforwardfoundation.org/home.html](http://www.payitforwardfoundation.org/home.html)**

Working with Trevor's plan, the PAY IT FORWARD FOUNDATION was established in September 2000 to educate and inspire young students to realize that they can change the world, and provide them with opportunities to do so. By bringing the author's vision and related materials into classrooms internationally, students and their teachers are encouraged to formulate their own ideas of how they can pay it forward.

Whether you get involved with the foundation, I challenge you to Pay It Forward, the experience will be with you always.

Normally, closing thoughts should go at the end but these are important. From the Put-Han-Sen(now Black Swamp) Area Council 89 Pow Wow book.

**A smile** costs nothing - but creates much. It happens in a flash, but the memory sometimes lasts forever. I cannot be bought, begged, borrowed or stolen, but it is something that is of no earthly good to anyone until it is given away. So, if in your hurry and rush you see someone who is too weary to give you smile - leave one of yours: No one needs a smile quite as much as he who has not left to give.

Every Scout should accomplish something worthwhile each 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 darkness of night, and ask yourself this simple question; **Have I done my best today?**

**Parents** as you go home from the Pack meeting. Keep these thoughts in mind. Council your sons that they have the eyes to behold the golden, red and purple sun sets, that they have the ears to hear the things that God has made. Help them be wise to see the lessons hidden in every leaf and rock. Have them seek strength, not to be superior to others but to be helpful to others. Help them along the Cub Scout Trail to do their best.

In order to succeed in anything, the most important thing to do is to **TRY!**

**Be considerate of the opinions of others.** There are 3 sides to an argument; yours, theirs and the right one.

**We have a choice.** We can be pleasant or unpleasant. Which do you choose.? It's up to you.

To tell the truth, to be honest, to be courteous, to have respect for leaders, and to think of others as well as ourselves should be high on our lists.

## Season Of Lights Opening Ceremony

By heart of America Council

This is the season of lights. It is the time when the days are shorter and the nights are long. Somehow things seem brighter. Shopping centers are as bright with Christmas lights. Thousand of homes have single candles to light the way for the Christmas Child. Other thousands have candles burning for the miracle of oils of Hanukkah. Even the stars in the winter sky seem brighter. The most brilliant glow comes from the spirit of giving which you live with during the year. The Cub Scout Promise and Law of the Pack incorporate this spirit of giving.

A good program for Cub Scouts is the **Program of Religious Activities with Youth** or **P. R. A. Y.** at [http://www.praypub.org/main\\_frameset.htm](http://www.praypub.org/main_frameset.htm)

God and Me (Grades 1,2 & 3)

God and Family (Grades 4 & 5)

God and Church (Grades 6, 7 & 8)

God and Life (Grades 9-12)

Adult Brochures

### Duty to God Promotion Patch

#### Purpose:

"Duty to God" is at the heart of the Scouting movement. Religious emblems reinforce this spiritual component and promote many of the values found in the Scouting program. The purpose of this "Duty to God Promotion Patch" is to encourage youth and adults to learn about and promote the religious emblems programs.

#### Requirements:

1. Attend or coordinate a presentation or information seminar on religious emblems (sample resources and suggestions are available at [www.praypub.org](http://www.praypub.org)).

2. Make a commitment to fulfill their "Duty to God." For example:

Adults can commit to having 50% of families participate in the religious emblems programs, commit to nominating a worthy adult to be recognized with an adult religious award, serving as counselor in their local congregation, etc. Youth can commit to earning the religious emblem of their faith at an appropriate time, making a presentation on religious emblems to another unit, helping younger Scouts earn their religious emblem, helping to establish a religious emblems program in their local congregation, etc.

#### Eligibility:

Both youth and adults of all faiths

The Duty to God Promotion Patch is a four-segment puzzle patch with 8 to 10 colors per segment and is 100% embroidered. Only one segment will be offered in any given year. For this year, the "Scout" segment will be available. Participants are encouraged to earn all four segments over a four year span. Patches may be pre-ordered for distribution at the presentation / information seminar.

For an order form:

[Http://www.praypub.org/pdf\\_docs/patchreqs\\_with\\_breaks.pdf](http://www.praypub.org/pdf_docs/patchreqs_with_breaks.pdf)



### Frequently Asked Questions

**1. What is the purpose of the Duty to God Promotion Patch?**

The purpose of this patch is to encourage youth and adults to learn about and promote the religious emblems programs.

**2. Can both youth and adults earn this patch?**

Yes. Both youth and adults may earn this patch.

**3. Is this patch for all faiths?**

Yes. This patch requires that you promote the religious emblems programs of all faiths. A person from any religious background may earn this patch.

**4. What are the requirements?**

You are required to: 1) attend or make a presentation on religious emblems, and 2) make a commitment to Duty to God.

**5. What does it mean to "make a commitment to Duty to God"?**

At the end of your presentation on religious awards, Scouts and leaders will be asked to make a commitment to fulfill their Duty to God. This means that you do not have to wait until you have earned your religious emblem in order to receive this patch. Making a commitment to Duty to God can mean talking to your clergy about earning your religious emblem, presenting information to your congregation, helping younger Scouts learn about religious emblems, etc.

#### 6. How do I make a presentation?

There are free resources available at [www.praypub.org](http://www.praypub.org). These resources include scripts, slide presentations, a video on religious emblems, and parent handouts. These resources are also packaged as a DVD available for \$5.00 from P.R.A.Y.

#### 7. Do I have to wait until after my presentation to order the patches?

No. Patches may be pre-ordered so that you may distribute them at your presentation.

#### 8. Does this patch replace the square knot?

No. The Duty to God Promotion Patch indicates that you have learned about the religious emblems programs. The Universal Religious Square Knot indicates that you have earned your religious emblem. The two patches are completely different and not to be confused with each other.

#### 9. Where is it worn on the uniform?

The Duty to God Promotion Patch is a temporary patch and is worn on the button of the right shirt pocket.

#### 10. Does the Scout Shop carry these patches?

No. The Duty to God Promotion Patch is administered by P.R.A.Y. and is only available through P.R.A.Y.

#### 11. If I want to order patches for my unit, will I get a price discount?

Yes. Quantity price breaks are available for larger orders:

1-15 patches @ \$3.00 each

16-30 patches @ \$2.75 each

31-49 patches @ \$2.50 each

50-99 patches @ \$2.25 each

100 + patches @ \$2.00 each

#### 12. If a Scout just recently earned his religious emblem, does he qualify for this Duty to God Promotion Patch?

Yes. A Scout who just recently earned a religious emblem may receive a Duty to God Promotion Patch. However, in the following years, in order to receive the next segment of the Duty to God Promotion Patch, he will either have to earn another religious emblem (or make a presentation on religious emblems to another group).

#### 13. Why is this a four-segment puzzle patch?

The intent of the puzzle patch is to encourage leaders to make presentations on the religious emblems every year.

#### 14. When will the second segment become available?

The second segment will become available August 2006.

#### 15. Can girls earn this patch?

Yes. Although this program was created for members of the BSA, girls who wish to learn about religious emblems programs may earn this patch.

#### 16. I make presentations at Pow Wows and Round Tables every year. Can I hand out patches to the leaders at these trainings?

Yes. The Duty to God Promotion Patch may be distributed at adult trainings to encourage leaders to make presentations to their own units.

#### 17. Is this a BSA program?

This is a program created for members of the BSA. However, the program is administered by P.R.A.Y.

### Star Opening Ceremony

By Heart of America Council

Each boy advances and places an ornament on a tree. After the last ornament is placed on the tree, an angel appears and says, "It is a beautiful tree. Something is missing. What could it be?" Someone says, "it's the star." The angel agrees and says that he brought a star from the heavens to place on the top of the tree. After putting the star in place, he explains that the star was a signal for the Wise Men to start their journey many years ago. It guided them along the way. Let this star tonight signal the start of our meeting tonight and guide us in the Spirit of Scouting. Angel leaves and the Cubmaster leads the Pledge of Allegiance.

### To Give Help and Goodwill

Props: Awards of Boys (Bobcat awards on a smile, Wolf awards on a helping hand, Bear awards on a "T", and Webelos awards on a card)

CUBMASTER: December is the month when Christians recall the miracle birth of Christ.

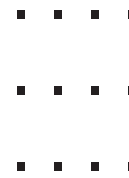
People of the Jewish faith celebrate the Festival of Lights. Many people celebrate this season by giving gifts, by waiting for the arrival of Santa Claus and by festive gatherings with friends. Each person has their own way of celebrating this holiday. The theme this month is Holiday Magic. As Cub Scouters how can we join in this theme of Holiday Magic?

As I reflected on this month's theme I think about what magic has to do with this holiday season and what it has to do with Cub Scouting? As I repeated to myself the Cub Scout promise - the phrase "to

help other people' stuck in my mind. Next I repeated the Law of the Pack and the words "a Cub Scout gives goodwill" came to mind. It dawned on me that this holiday season was a perfect time for Holiday Magic. a theme for helping other people and a time for giving goodwill. One small piece of Holiday Magic is to smile and be cheerful to others. A smile is the first step to spreading goodwill. And tonight we have some boys who are taking their first steps along the Cub Scout Trail. (Call forward the boys who are to receive their Bobcat award and their parents. Present the badge.) After a smile, the next piece of Holiday Magic is to lend a helping hand. This helping hand might be to carry in groceries for someone or help set the table for dinner or help wash the dishes after dinner - and all done with a cheerful smile. By offering this helping hand and cheerful smile we take the next step toward giving Holiday Magic. Tonight we have some boys who have taken the next step in Cub Scouting. (Call forward the boys who are to receive their Wolf award and their parents. Present the badge.) What can we do to continue our Holiday Magic to help others and give goodwill? Our next step might be to do a "Good Turn." A good turn is to do a job without being asked to do it by someone. This good turn might include cleaning our rooms, taking out the trash or raking leaves without being asked. This good turn is a special step to bringing Holiday Magic to others. Tonight there are some boys who have worked harder to take the next step along the Cub Scout Trail (Call forward the boys who are to receive their Bear award and their parents. Present the badge.) To spread more holiday magic, we might go even further to make a gift for a friend. We could make a special card of a small present or a holiday treat for someone without expecting anything in return. With the giving of this special gift to a friend we can continue the holiday magic. And continuing to advance along the Cub Scout Trail we have some boys who are ready to be advanced. (Call forward the boys who are to receive their Webelos badge and their parents. Present the badge.) Tonight we have seen how we as Cub Scouts and we as parents can remember to spread the Holiday Magic. It is so easy for each of us to help other people and to give goodwill. And by helping others and giving goodwill we can spread the Holiday Magic to those around us.

## STUNTS AND TRICKS

**Connect The Dots:** Connect the dots with four straight lines without removing the pencil from the paper.



**Lucky Penny:** Stand with your back to the wall with your head and heels touching it. Try to pick up a penny without moving your heels. If you can get it, you're very lucky.

**It Can't Be Done:** Tell the Cubs that you can jump backwards further than they can jump forward -- if, they do exactly as you do. Grasp toes with hands and jump.

**Brush It Off:** Put a coin in the palm of your open hand and challenge anyone to brush it out with a whisk broom or shoe brush. It is practically impossible.

## AUDIENCE PARTICIPATION

### The Beginning Of Goodwill

**SANTA HO HO HO TOYS WEEE EE EE  
ELF OR ELVES. HURRY SCURRY**

Way back many years ago in fact so many nobody knows when, old **SANTA** had no elves to help him in his workshop, building **TOYS** for all the children in the world. Poor old **SANTA** had to build the toys all by himself with occasional help from Mrs. Claus, who of course was kept busy with housework and cooking and such. **SANTA** began to grow extremely weary from his big work load and longed for some help. Little did he know that help was close by in a neighboring village. For **SANTA** had been far to busy working in his workshop to be very neighborly with anyone.

It seems that in the village next to the North Pole workshop there lived a group of **ELVES**. Busy little fellows they were, indeed for they were continually making **TOYS**. It seems this was what they did best but they had stacks of **TOYS** just setting there with nothing to do with them.

One day quite by accident, old **SANTA** discovered the **ELVES** when one of their rubber band planes they were testing flew so well that it landed clear in the next village outside **SANTA'S** workshop. Needless to say, when he discovered it and bent over to pick it up, he came face to face with the **ELF** who had come to retrieve his most

prized possession. So as stories go, **SANTA** and the **ELVES** got together and made a contract - the result being the **ELVES** moved to live with **SANTA** at his workshop and help make the **TOYS** for all the children in the world. It seems that one little **ELF** was always so cheerful and spreading a wonderful feeling of cheer and happiness among the group. In fact, he was the one responsible for people thinking of **ELVES** as happy little fellows. His favorite expression while working on the **TOYS** and discovering something new was "GOOD WILLIKERS!", an expression he dreamed up entirely by himself. That immediately became that little **ELF'S** name but as all long names get shortened and nicknames attached to them so did that one thus everyone began calling him GOOD WILL. This was the beginning of the word Goodwill, meaning the spreading of happiness and cheer. Also this was the beginning of **SANTA'S** helpers the little **ELVES** to help him make all those wonderful **TOYS** for good little girls and boys.

### Merry Christmas

Divide the group into two parts, naming one part **MERRY** and the other **CHRISTMAS**. Whenever the word "Merry" is mentioned, the "**Merry**" group says a great Santa "HO-HOHO" and whenever the word is "**Christmas**" is mentioned, that group tries to out do the Merry group with their "HO-HO-HO".

**MERRY** and **CHRISTMAS** are two words so bright,  
Who float around in December both day and night.  
**MERRY** is spoken, **CHRISTMAS** is next said,  
For they belong together, all in green and red.  
If **CHRISTMAS** were separated from **MERRY** it would be so sad  
And everyone would certainly feed very bad.  
So to keep **CHRISTMAS MERRY** right from the start,  
Remember to feel **MERRY CHRISTMAS** deep in your heart.  
So when you say it, you'll really sound **MERRY**  
Then **CHRISTMAS** for you - a true meaning will carry.  
So lets do it now with all your might.  
**MERRY CHRISTMAS** to all and to all a good night.

### Recipe for a Wonderful Day

By Heart of America Council

(Have the boys repeat a line)

One cup of friendly words  
Two heaping cups of understanding  
Two cubs of milk of human kindness  
Two heaping teaspoons of time and patience  
One dash of gentle humor  
One pinch of spice of lie  
One drop of warm personality

Measure words careful; all cups of understanding and milk of human kindness. Sift together three times to make a smooth paste. Keep temperature low so it never boils over. Season with gentle humor, warm personality and spice of life. Serve in individual molds. Works best with a good mixer.

### Gifts Which are not Advertised on Television

By Sam Houston Area Council

**Personnel:** Cubmaster or Den Leader

**Cubmaster:** Why not pick something from this list of Christmas gifts which are not advertised on television?

Give your parents the words "I Love You".  
Give your children a full day of your time.  
Give an ear to someone who needs a listener.  
Give a hand to someone less strong.  
Give an old friend a surprise visit or letter.  
Give a former neighbor a phone call.  
Give *yourself* time to reflect on this holy season.

### ADVANCEMENTS

#### Wonderful Beads

By Sam Houston Area Council

**Personnel:** Den Leader, Den Chief, boys being recognized

**Equipment:** Immediate Recognition Kit

**Arrangement:** Have boys sitting in semi circle facing Den Leader and Den Chief

**Den Leader:** We would like to tell you the story behind these wonderful beads. The custom of awarding beads started in the tribe of Webelos. The beads were given to braves who did their best to help the tribe and the people.

**Den Chief:** Many moons ago, when the animal world was ruled by wolves and bears, the braves of the Webelos tribe feared these strong beasts.

**Den Leader:** But some of the braves (name the boys to be recognized) decided that the best way to live in fear was to understand the creatures of the forest.

**Den Chief:** So they went, disguised as animals to live with the wolves and the bears. The animals accepted them as their brothers. They called them "Cubs" just as if the braves were their own. This was according to the Law of the Pack.

**Den Leader:** For their bravery and friendliness to the beast, the braves were given a leather thong with colored beads on it. It signified that they knew the ways of the tribe and did their best at everything without worrying if someone did better. This is the law which the tribe borrowed from the animals and taught to all the Cubs.

**Den Chief:** For doing your best in completing three achievements toward your (Wolf or Bear) badge, I award you this thong and this bead. May you always obey the Law of the Pack.

### **Webelos Ceremonies 1st to 2nd Year Webelos**

By Sam Houston Area Council

**Personnel:** Webelos Leader

**Equipment:** None

**Setting:** None

**Webelos Leader:** Webelos, as you end your first year as Webelos, I ask that you rededicate yourselves to Scouting. Remember that the spirit of Cub Scouting and Boy Scouting are one and the same.

The spirit of the entire Scouting movement is one of service, high ideals, and fellowship. Webelos Scouts, repeat after me:

I (name), promise to do my best.

To show that t Webelos Scout is faithful to his Cub Scout promise. To be a true Webelos Scout by joining a Boy Scout troop when I am eligible and to uphold the Scout Oath and Law as I have upheld the Cub Scout promise and the Law of the Pack.

### **Flag, Scout Oath, and the Arrow of Light**

**Equipment:** 3 candles in a holder with the Arrow of Light symbol, 1 red, 1 white, and 1 blue

**Webelos Leaders:** Have you noticed the strong bond between our flag and the Scout Oath? Let me show you.

(Light White candle in center)

**One of the colors in our flag is white. It's the symbol of purity and perfection. It is the first point of our Scout Oath, our duty to God.**

(Light the Red candle)

**The color red in our flag denotes sacrifice and courage, the qualities of the founders of our country. Red is the symbol of the 2nd part of our Scout Oath. Our duty to other people requires courage to help anyone in trouble and the self-sacrifice of putting others first.**

(Light Blue candle)

Blue is the color of Faith. It represents the faith of our founding fathers and reminds us of the 3rd part of the Scout Oath. Our duty to ourselves requires us to be true- blue strong in character and principle, and to live a life with the importance of being good. The candles have now lit the Arrow of Light. The Indian sign of the sun over the Arrow dictates that it's the Arrow of Light. The 7 rays of the Sun stand for the 7 days of the week and remind us to DO OUR BEST EVERY DAY, the arrow... Means to follow the straight path.

(Call boys and parents forwards tan present awards)

A thought on the importance of uniforms.

### **CLOSING CEREMONY**

By Heart of America Council

To end this evening, I'd like to tell you a story. A crowded bus stopped to pick up a bent old woman. With great difficulty she struggled up the steps with a large basket of freshly-washed laundry.

"You'll have to put your basket in the rear of the bus," said the driver impatiently.

"But I don't dare. They don't belong to me," the woman replied. The driver was firm. "You and that basket are in the way. Either stow it or get off."

The old lady was almost in tears when a young man arose. "You sit here, Ma'am," he offered. "I'll take your basket to the back and watch it until your stop."

The woman was doubtful, but the driver was about to put her off.

A second lady, sitting nearby, said to the old woman, "That boy's all right. Can't you see his uniform? I'll vouch for him."

The woman was soon seated, and the basket of clothes carried to the rear. At her stop, the boy gently set the basket down by her, then returned to the bus and continued on his way.

"Who's the kid?" asked the driver of the second woman. "I don't know the kid," came the reply, "but I do know the uniform, and you can trust it every time."



**WEBELOS**

Craftsman

By Heart of America

**Bug House**

Materials: 1" x 6" pine

1" dowel rod

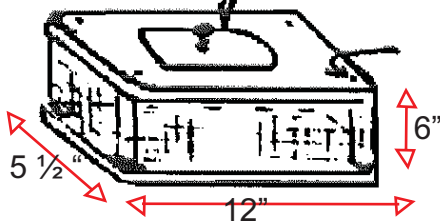
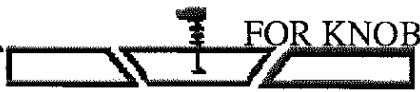
Screen mesh

Screws

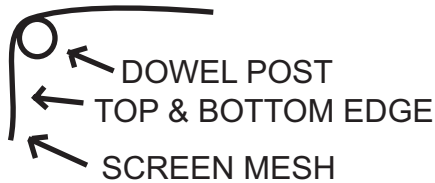
Heavy duty stapler

Keyhole saw

Cut lid hole at an angle with a keyhole saw  
The 4 corner posts are made from 1" dowel rod cut 4-1/2" long. Cut the four corners of the top and bottom to match the radius of the dowel posts.



Surface apply a 6" strip of screen mesh by stapling to the top and bottom edges.



plan view of corner.

**Kicking Pedro**

Materials: 1/2" plywood

1/4" plywood

3/4" x 1 1/2" x 10" base wood

(2) 1/4" x 2" bolts

(4) 1/4" washers

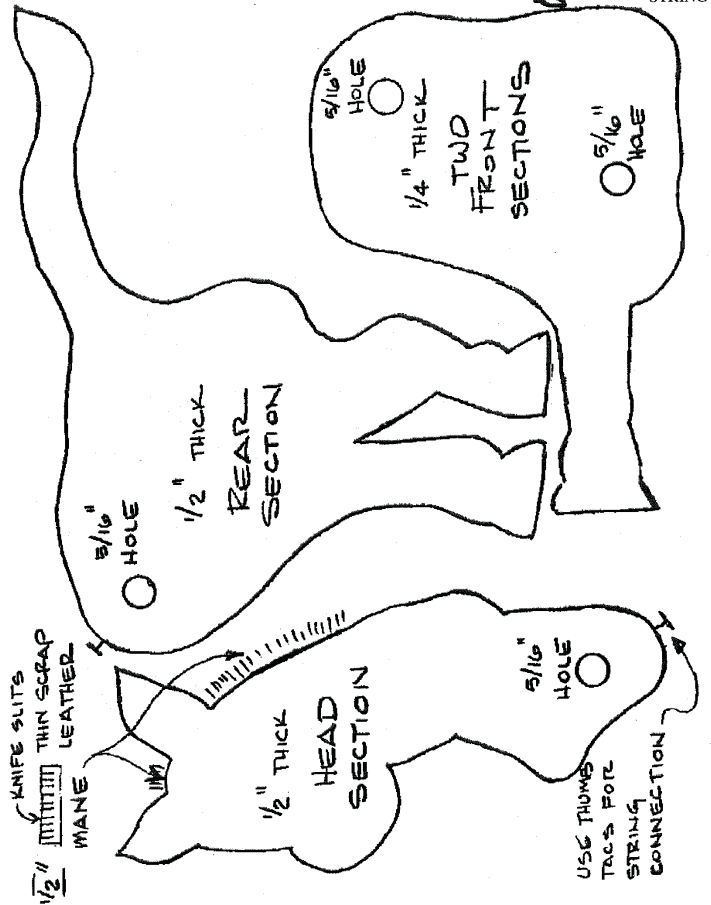
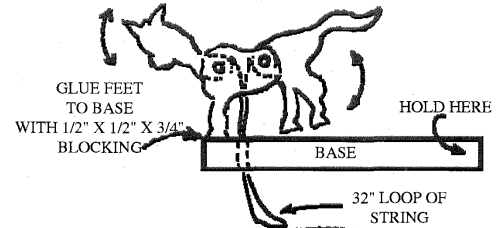
(2) Thumb tacks

Paint or stain

Scrap leather

32" loop of string

Pull string and Pedro's head raises and his feet Kicks!



**Cub Scout Keepsake**

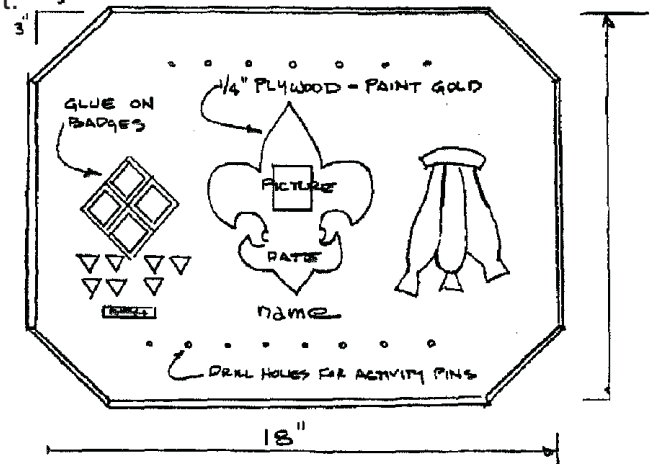
Materials: 1/2" plywood

1/4" plywood

Sandpaper

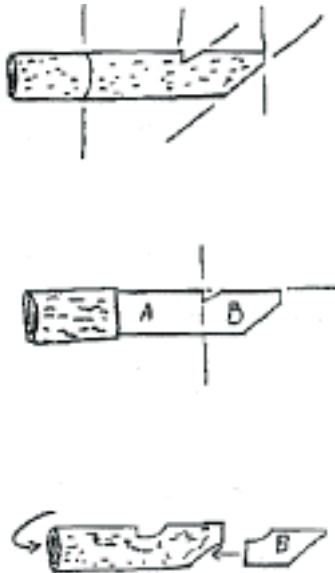
Paint or stain

Cut from 1/2" plywood. Sand and stain or Paint.



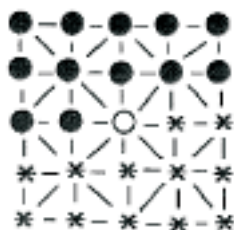
**Camp Whistle**

1. Find a limb from a smooth-bark tree (hickory) from which you can cut a 3" piece with no knots. This must be done in early spring when bark slips good. Make cuts as shown.
2. Slip bark from end as shown. You may need to chew or tap on the bark to make it slip. Be careful not to split the bark. Start over if you do! Make cuts in wood as shown. Keep part B and throw away part A.
3. Put part B in the end of bark that you took off. Place finger over end and blow, blow, Blow!



**Alquerque**

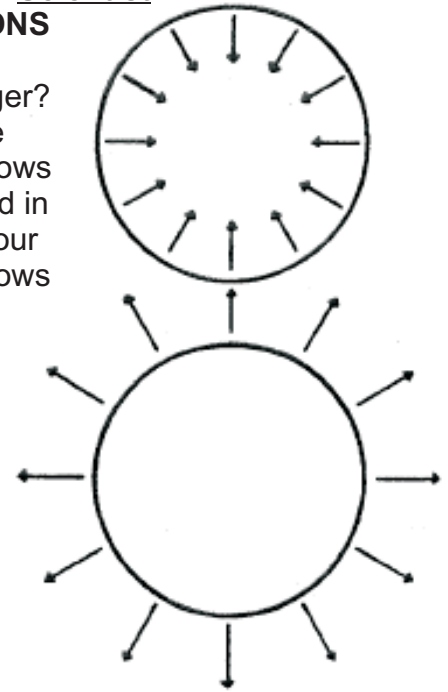
(Tenth century Spanish-Moorish game also known as El Quintet in Arabic.) Each player has 12 pegs. One starts in dot holes, the other in cross holes. Each player moves one peg of his own color a teach turn. A peg can be moved to the next empty hole to which it is connected by a line (note: not all diagonals are permitted). Or one peg can jump over opponent's peg, going in a straight line and landing in the next empty hole. The peg jumped is removed. One peg is allowed to make a chain of captures, a series of connected jumps in any direction along a line. Captures must be made when possible. Player wins by capturing all the other's player's pegs.



**Scientist**

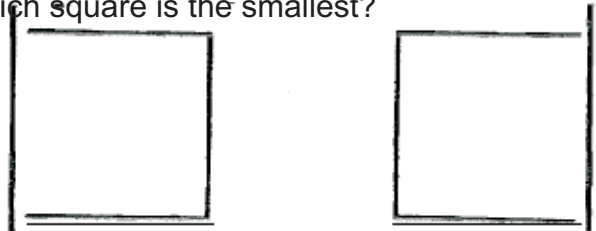
**OPTICAL ILLUSIONS**

**Wacky Wheels**  
Which circle is bigger?  
Both circles are the same size. The arrows pull our eyes inward in the top circle, and our Eyes follow the arrows outward below.



**The 3 Squares**

Here are three incomplete squares. You can see three sides of the ones at the left and the right, but only two sides of the one in the middle. Which square is the smallest?

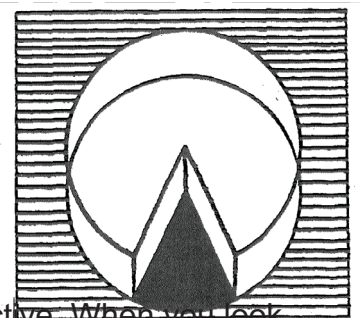


They are all the same size, even though the middle square looks smaller. It appears to be Taller and narrower because it is made of vertical lines only.

**Puzzling Pie**

This drawing shows a pie minus one slice. But what does it look like if you view it upside Down?

It's the missing slice of pie, all by itself, in a circular dish!  
When the drawing is flipped, why doesn't it simply look like an upside Down pie minus one slice?



It's all a matter of perspective. When you look at the pie right side up, you see that a wedge shaped slice was removed. But when you flip the picture over, the sides that once formed the inside of the remaining pie now form the sides of the slice itself.

### **Air Cannon Hockey**

This game will demonstrate air pressure. Use round cardboard oatmeal boxes. Cut a hole the size of a penny in the tops. Fasten the lid back to the box tightly. Use a table for a field, with a goal at either end. Have a boy sit at each end of the 'field' with a cannon (box) and put a ping pong ball in the middle of the table. By tapping the back of the box and aiming it at the ball, try to score by putting the ball through your opponent's goal. The Webelos leader can demonstrate the effectiveness of his oatmeal box cannon by using it to put out a candle. Fill cannon with smoke, then aim at candle, tap back of box, and flame will be put out. These cannons are effective up to about six feet.

### **Foam and Fizz**

By Sam Houston Area Council

Here's an experiment that will allow you to pretend to be a mad scientist. Put about ½ teaspoon of baking soda in a narrow glass. Add 1 tablespoon of vinegar or lemon juice, and stand back! The mixture will fizz up and come bubbling out of the glass. This happens because vinegar and lemon juice are acids and baking soda is a kind of chemical called a base. Acids are sour-tasting chemicals. Besides lemon juice and vinegar, green apples, grapefruit, tea and yogurt contain acids. Your stomach produces an acid that helps digest food. Bases are bitter-tasting chemicals that often have a slippery feel. Soap is made from a base. Egg whites and ammonia are bases. So is your blood. Acids and bases are like chemical opposites. When they combine, they react to produce a gas, which is what makes the fizzy bubbles.

By the Heart of America Council

**Eyes Right...Or Left:** Ask the Scouts if they are right-eyed or left-eyed. Check by having the Scout extend a finger toward a distant object and keep both eyes open. Then tell them to close their right eye. If their finger appears to jump means that they are right-eyed. If it doesn't they are left-eyed.

### **Bernoulli's Principle:**

You'll need: 2 Ping pong balls, thread or string, tape or glue, straw Take two pieces of thread or string and attach one end to each ping pong ball with the tape. Next, attach the other end of each piece of thread or string to a stationary object, like the ceiling or a door jam. The two ping pong balls should

be suspended from the threads or strings about chin high. The ping pong balls should be about two inches apart. Using the straw, blow air between the two balls. Watch and see what happens. The two balls should come together. What Happened: This experiment shows how pressure drops as air moves faster. Higher pressure is on the outside of the balls and lower pressure is between the two. The balls come together because of the pressure change.

### **Additional Bernoulli Den Activities:**

Although a leader may not be sure that Bernoulli's Principle is true, it is part of the responsibility of scientists, and Webelos, to consider the logical consequences of the principle and to test them by experiment. The following are explanations for the activities in the Webelos Book.

1. Blowing a card off a spool. The rapid air stream between the card and the spool produces low pressure in this space and the surrounding atmosphere forces the card against the spool. The harder it is blown, the more rapid the air stream, the less pressure between the card and the spool, and the tighter the atmosphere hold the card in place against the spool
2. Blowing a flame toward you. The air stream that is blown against the card is directed sideways, upward, and downward by the card and produces low pressure all around the edge of the card. The atmosphere behind the flame forces it toward this low pressure space, and blows the flame toward you.

### **Pascal's Law**

When any part of a confined fluid, liquid or gas, is subjected to pressure, the pressure is transmitted equally and undiminished to every portion of the fluid and the inner surface of the walls of the containing vessel. A force is a push or pull. Force per unit area is called pressure. With the aid of this principle, it is possible to transform a small force into one of unlimited magnitude. Pascal himself stated that "A vessel full of water is a new principle in mechanics, and a new machine for the multiplication of force to any required extent, since one man will by this means be able to move any given weight." These machines which Pascal referred to, machines which transmit forces through liquids, are called hydraulic machines.

**Triple fountain.** Using a can with three holes in it at different depths and cover the open end with a piece of balloon held in place with a rubber band,

hold the can on its side with the holes facing up on the bottom of a bucket filled with water. Push the balloon several times until the air bubbles stop coming out of the holes. Lift the can out holding it with the holes on top. Push in the balloon, the result is three jets of water of equal height.

Contrast this to an experiment where the same can, without the balloon, is held with the open end on top. In this case the water jets are each a different length. The jet nearest the bottom is longer than the jets higher up the can because there is more water pressure on the jets that are lower in the can.

### Additional Den Activities For the Study of Inertia

1. Circular Fountain. Support the pail on a doubled-up light rope so that the bottom of the pail is about two inches from the floor. Fill the pail with water to within one inch of the top. Turn the pail to twist the rope as far as it will go. Let go and the rope will twirl the pail and water very rapidly. The water will gradually sink in the middle and rise up along the inner side of the pail. When it reaches the top of the pail it will overflow and sprinkle the floor in a circle. The inertia of motion of each particle of moving water tends to make it move away from the center of the pail. It makes the water creep up the inside of the pail and over the edge.

2. Rock and thread. Attach a thread to the rock and lay the rock on the table. Pull gently on the thread and the rock will move. Jerk quickly on the thread and the thread will break but the rock will remain still. When pulling gently the force on the thread is only the friction between the rock and the table. When pulling quickly, the force on the thread is the friction plus the inertia (resistance to motion) of the rock, the thread breaks.

3. Rock and Cord. Find a piece of rock weighing about 2 pounds. Tie a heavy cord around the rock. Then tie to each of the two loose ends of the heavy cord a lighter cord of the same length, one above the rock and one below it. Tie the upper cord to a door knob or other support. Pull slowly downward on the lower cord to and the upper cord will break. Jerk quickly downward on the lower cord and the lower cord will break. When pulling down slowly, the force on the lower cord is the pulls the weight of the rock, thus the upper cord breaks. When pulling down quickly, the force on the lower cord is the pull plus the inertia (resistance to motion) on the rock, while the force on the upper cord is only the

weight of the rock, thus the lower cord breaks.

### Resources

10/31-05

#### BOOKS!

Sunset Kids' places to play \$14.95 ISBN 0-376-01059-2

They have a climbing wall you ca build!!

Woodworking with kids Stremy Media\$18.95 ISBN 1-894827-26-0

Great for HOW to USE tools and whether you want to make a scooter or a little red wooden wagon check out the 20 projects.

Woodworking for Kids A Sterling/lark Book \$14.95 ISBN 0-8069-0430-5 This one has 40 different patterns so it should keep you busy.

For Science

Check out Hands on Science Kingfisher Pub. \$10.95 and ISBN 0-7534-5440-8Has drawings and PHOTOS. How can you go wrong?

Osborne as usual has Science Experiments \$9.95 and ISBN is 0-7460-0806-6. Cool series, my art studio is crammed with books of all kinds.

Gobble up Science by the Learning Works \$11.99 ISBN 0-88160-248-5 Fun way to eat and learn!! What Scout doesn't like to eat?

Quick and Easy Science Fun by The Mailbox-Teachers use this series a lot! \$11.99 and the ISBN is 1-56234-515-X Covers Life, Earth and Physical Sciences.

Have a Safe Holiday Season. Broaden your Horizon by one new hobby. Learn something from another. Start the New Year with a fresh outlook. Any of these and more are up to you. Take the first step, and decide What will I tackle today?

