

PREOPENING GAMES

Guess My Planet (game - space)

As each scout arrives they are given a card with the name of a planet on it, which is taped to their back so that they can't see it. They are to ask others yes/no questions about their planet until they can guess which planet it is. Once they have guessed the correct planet, they are to go to the designated table for that planet and color a picture of what they think life would be like living there.

Constellation Match Up

Make pictures of 15 - 20 constellation patterns. Label these with letters (A, B, C, etc.), and hang them on the wall. Give each boy a list of the constellations and have them write the letter of the constellation pattern next to the name of the constellation.

Star Door Decorations

Materials: Craft Foam Stars or Door Hangers, glue, foam letters, miscellaneous small foam items, sequins, and glitter glue pens.

Cubs will come in and choose either the star/door hanger. They will get the letters that spell "CUB", and a few misc. pieces for decorations. They will glue the word "CUB" down and proceed decorating with the other misc. pieces.

Guess My Star (game - theatrical)

If you are taking a theatrical spin to this theme, use this version of the Guess My Planet game giving the scouts names of popular movie/TV stars. They can draw pictures of what it would be like to live with that person.

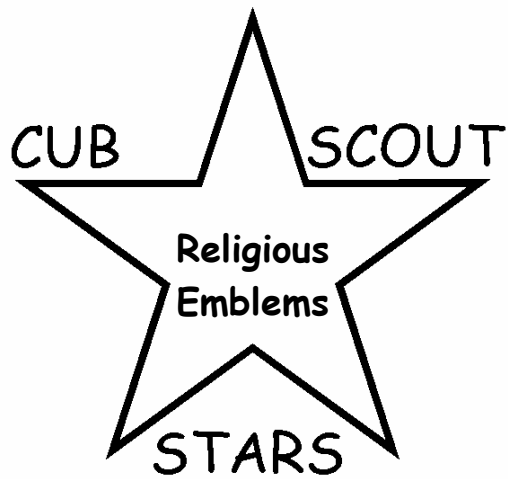
Opening

THE FLAG ON THE MOON

As curtain opens, a den of Cub Scouts dressed as astronauts are lined up across the stage. There are large astronaut footprints cut out of black paper and taped to the stage floor leading to the flag stand. A Cub Scout Astronaut enters from the side of the stage, following the footprints and places the flag in the stand while a narrator reads the following:

"The United States has much to be proud of. One of those many things is the fact that we landed the first men on the Moon. Old Glory was placed there as evidence of this great achievement. This, indeed, is something for all of us to be proud of. As we join together in the Pledge of Allegiance to our flag, let's be thankful to the courageous astronauts of our country. Because of their actions, someday some of our own Cub Scouts may be able to leave their footprints on the Moon also. Scouts Attention. Will the audience please rise. Scout Salute." Recite the pledge and allow the audience to be seated.





GETTING STARTED

Four Scouts stand in a diagonal line on one side facing the audience. The Den Leader (DL) faces the boys and the audience on the other side.

DL: (Boy 1's name), how would you let out to do a good turn?

(Boy 1 takes one step forward.)

DL: (Boy 2's name), how would you get started on a campout?

(Boy 2 takes one step forward.)

DL: (Boy 3's name), how would you start out on a hike?

(Boy 3 takes one step forward.)

DL: (Boy 4's name), how would you start out to achieve your first achievement?

(Boy 4 steps forward.)

DL: Yes, it's as simple as that - to make a thousand mile journey, to run a race, to learn a trade, to meet new people, to climb a mountain, to create a masterpiece, to build skyscrapers, to design a spacecraft, to do anything worthwhile, there is always a first step, and it is the most difficult to take.

If you are to progress in life or in Tigers, Cubs, Webelos, Boy Scouts or Venturing, you must first face your goal and then get started with that all important first step.

(On the word *first step*, all the boys take one more step forward and salute.)

Will you please stand and join us with the first step of our meeting tonight, in saluting our flag and saying the Pledge of Allegiance.

CLOSINGS

STARS ARE OKAY

Personnel: 4 Cubs

Equipment: Large letters S, T, A, R.

The boys hold up their letter as they say their line, spelling out the word STAR.

CUB 1: S- Some people dream of being a star.

CUB 2: T- Talking it up on the big screen or on stage.

CUB 3: A- Acting is okay and a fun thing to do.

CUB 4: R- But Real life is where the true adventure lies.

LIFE ON OTHER PLANETS

Form the Pack into a large circle. Cub master says:

"We've had lots of fun this month imagining what life may be like on other planets. We've looked into the night sky and enjoyed its beauty. Some of you may have learned, too, that the North Star, Polaris is fixed overhead and that it is used by space travelers and ship captains to find their positions. In Cub Scouting we have our own North Star, the Cub Scout Promise. Like the North Star the Promise is a guide for people on earth. If we follow the Promise, we can be pretty sure that we will be good citizens. Please join me now in repeating the Cub Scout Promise. (Make the Cub Scout Sign and lead the Promise)





SCOUT SPIRIT

Personnel: 4 Cubs.

Equipment: One large flashlight with red cellophane over the lens. One regular flashlight with orange cellophane over the lens. One small non-krypton flashlight. One small krypton flashlight with blue cellophane over the lens. Remind the boys to not shine the light in the audience's face. They should aim over their heads, so they can still see the light. This would be more effective if the lights were lowered.

CUB 1: (with red flashlight) I am a red giant. I am the largest of stars. My temperature is the coldest and I am the least bright in the night sky.

CUB 2: (With orange flashlight) I am an orange Arcturus class star. I am smaller in size than a red giant, but still bigger than your sun.

CUB 3: (with small white flashlight) I am a white dwarf. My light is brighter than your sun, but I am only the size of a planet.

CUB 4: (With blue flashlight) I am a blue star, the smallest of all. Just like a Cub Scout I may be small in size but my light shines the brightest

CLOSING CEREMONY

Tomorrow's World

Indian Nations Council

Tonight I would like to tell you a story about a boy, his father and the paper. The boy's father is sitting in his easy chair after a hard day's work, with his feet propped up enjoying reading the evening's paper.

The boy, who we shall call Johnny, enters the room and asks his father, "Dad, let's work on Cub Scout achievements. Let's do the work in my book so I can get my award." Dad says he is too tired and wants to read his paper.

Then Johnny leaves, but comes back later and asks his Dad to play football or soccer with him. But his Dad says he is too tired and wants to read his paper. At this point Dad spots a picture of the world on one page of the newspaper. He removes it from the paper and tears it into small pieces, making a puzzle, thinking this puzzle will keep Johnny busy for hours. Johnny takes the paper pieces and goes to his room. Dad is very smug, thinking it will keep Johnny busy.

However, in just a few minutes here comes Johnny. Dad is astounded to see Johnny has completed the puzzle. He says, "Johnny, how did you put that puzzle together so quickly?" Johnny says, "Dad, I noticed on the back side of those pieces of puzzle there is a picture of a boy. I found if I put the boy together right the world will also be all right."

And that, my friends, is what we are here for tonight. Good night and good Scouting.

Guiding Star

Greater St. Louis Area Council

Personnel: Akela, 8 Cub Scouts

Equipment: Small campfire; blue paper or cardboard, three foot square, with cutouts for stars in Big Dipper and the North Star; 8 small or pen-type flashlights, one for each Cub Scout.

Arrangement: Akela and 8 Cub Scouts stand near campfire with the figure of the Big Dipper and North Star at one side of the fire. Cub Scouts stand behind the figure with

lights which they flash behind their star in the Big Dipper as they speak.

Akela: For thousands of years, people have grouped the stars together as figures in constellations. This was probably done by the early shepherds as they lay on the grass looking at the sky while tending their sheep. There they could see pictures of heroes, kings, queens, men, maidens and monsters in the stars. The constellation we know best is the Big Dipper.

Taking the stars that form the outer edge of the Big Dipper sight upward and the Bright star that you see is the North Star, which for centuries has been the guiding star for travelers.

(#1 Cub Scout flashes his light at the cut out for the North Star).

It remains in the same place all the time. Let the North Star represent God. Keep your eyes on the North Star. Each star in the Big Dipper can help you keep your eyes on the North Star to become your guide for living. Then let your light shine so that you can help others find the way.

Listen now as our Cub Scouts tell what each star in the Big Dipper represents to them in their quest to find the guiding star.

(As they speak, they flash their light behind their star).

#2: The Holy Book

#3: My minister, pastor, priest or Rabbi

#4: My mother and father

#5: The Cub Scout Promise

#6: The Law of the Pack

#7: My Den Leader

#8: My Cubmaster

Akela: All of these are excellent guides for us to follow on our Cub Scout Trail. Let each one help you as you travel onward. Good Night.

STARS ARE OKAY

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Equipment: Large letters S, T, A, R.

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Advancement

Telescope Advancement

Prepare Awards attached to a paper star with each boys name written on the star. Attach the stars in the form of some imaginary constellation on a poster board. One board for each group of boys. The Den leaders can hold up the board for the CM to see.

Cub Master looks through a telescope or high power binoculars. "There are many stars out tonight. Oh, look it's the (name of den or the name of their constellation) constellation."

The Den's Den Leader brings up the poster.

"The stars in this constellation are (CM names the names on the stars and DL removes them announces what the award is and presents it to the boys.) Repeat this scenario for each appropriate group.



Tiger Advancement Ceremony

Props: Signs of Achievements with the requirements listed on the back.

Jet packs and helmets for each Tiger Cub and Den Leader. (Jet packs can be made from empty cereal boxes, covered in aluminum foil with straps made from ribbon. Helmets can be bike helmets or made from an empty one gallon milk carton with the handle side and top cut off. The boys can decorate it as desired.

One adult partner for each Tiger Cub receiving rank.

Cub master

Tiger Den Leader

CM: As we look to the Future of Cub Scouting we naturally look to our youngest Scouts. Tonight we are celebrating some of our Future leaders' for their accomplishments in Cub Scouting. From our present I call forward (*Name parents/adult partners*)

These adults and others have assisted our Tigers in the past. They have contributed to their being here tonight. Let us thank and congratulate them with the Mr. Spock salute - (*make the sign with your right hand, separating the fingers between the middle and the ring finger and also extending the thumb*) "Live long and prosper!"

DL: (*wearing helmet and jet pack "flies" in*)

I see you have gathered my Tiger Cub Adult partners. Thank you.

Before the boys arrive I would like you to help me tell these here tonight what these boys have been working on this year. (*Give each parent/partner an achievement title sign. They read what is on the back [the three requirements].*)

Parents read their cards.

CM: Sounds like they have been busy.

DL: I think I hear them coming. I'll fly out and meet them. (*DL "flies" off and comes back with the Tigers following*) Each of you stands with your partner please.

All of these boys have completed the 15 requirements that you have heard about tonight. They have truly learned the Tiger Cub Motto of (*Turn to Tiger Cubs and have them say it with you*)

Tiger Cubs and DL: Search, Discover, Share

DL: It has been a great privilege for me to work with these boys and their parents. It gives me great pleasure to present them with their Tiger Rank Patches.

CM: (*read names from cards*) (*DL give the patches to parents who give them to the boys. DL shakes each boy's hand*)

CM: Let's send these boys off with a blast - the Blast off Cheer that is. (*Everyone stands, as you count backwards from 5 crouch lower to the ground. When you reach zero, jump up with your hands over your head and yell "Blast Off!"*)

DL and Tiger Cubs "fly" off and they and their parents return to their seats.



Webelos/Arrow of Light Awards Ceremony

Props: 6 battery operated candles

1 battery operated lantern

6 scouts in uniform - preferably the boys earning the Arrow of Light

6 Leaders in Uniform - preferably the den leaders of each rank and CM

Wood plank 1x6 feet cut like an arrow with the 6 rank emblems on the front.

Den Chief

Staging: The boys are behind the appropriate candles, which are set behind the wood plank which sits on a table. The leaders stand in order to the other side of the stage. The Den chief should stand between the Webelos I and Webelos II Den Leaders.

TL: 5 years ago a Tiger Den formed. It was one of the first as a Tiger was made an official rank of the Cub Scout program. The boys learned to Search, Discover and Share. A Cub Scout light was lit. (*The Scout behind the Tiger rank turns on his candle*)

CM: (or other leader) Then came the Bobcat Rank, the first earned by any boy entering Cub Scouting in 1st through 5th grade. This taught the Scout the principles of Cub Scouting as learned through the Cub Scout Promise and the Law of the Pack. The Scout's light was added to. (*The Scout behind the Bobcat rank turns on his candle*)

Wolf DL: The boys and their families moved on to the Wolf Rank requirements. 12 achievements completed by the boys and their families as they learned new skills. And the Scouts Light continued to get brighter. (*The Scout behind the Wolf rank turns on his candle*)

Bear DL: 12 more achievements were chosen from 24 Bear Achievements in the areas of God, Country, Family and Self. The boys took on more responsibility for their progress as

more was done in the den and less in the home. As his confidence grew, so did his Cub Scout light. (*The Scout behind the Bear rank turns on his candle*)

Webelos I DL: We'll be Loyal Scouts - the meaning of Webelos. In 4th grade the boys chose a patrol emblem as they began their transition from Cub Scouts to Boy Scouts. They work on Activity Badges, instead of Achievements. Most of the work was done in the den. As the boys learn to work together they complete Fitness and Citizen and one more Activity Badge, as well as learning about the Boy Scout Law and Oath. As his knowledge grew so did his Cub Scout light. (*The Scout behind the Webelos rank turns on his candle*)

We have 2 scouts with us tonight who have met the requirements to receive their Webelos rank. (*Call the boys forward*). Congratulations. (*the Den Chief assists the DL in giving the boys their Awards*) (*he then stands after the Webelos II DL*)

Webelos II DL: Some boys join the Scouting family as Tiger Cubs, others as Wolves or Bears. Some even join as first year Webelos Scouts. And still others join as second year Webelos, but regardless of when they join, the requirements to achieve are still the same for all. In addition to Fitness and Citizen, the boys must earn Readyman and Outdoorsman as well as 4 other Activity Badges. They must be from different strength areas and help the boys become well rounded individuals.

We have (#) boys with us tonight, who took the challenge of doing their best and have completed all 20 of the Webelos Activity Badges. We would like to recognize them tonight. (*Call the boys forward*). (*Den chief presents each one with their Super Achiever patch and shakes their hand*) One of the rewards the boys receive for their diligence is the Super Achiever patch, which

their Den Chief is handing them now.
Congratulations, Boys. (*The boys return to behind the display and candles*)

The Webelos Scout who would aspire to earn the Arrow of Light award, must not only complete the activity badge work, but must show himself to be a worthy scout. He must know, understand and commit to live the Boy Scout Oath and the 12 points of the Boy Scout Law, and the Outdoor Code. He must understand the symbolism of the three fingers of the Boy Scout sign and the significance of the First Class Scout rank emblem. He must show scout spirit by being neat in his appearance and wearing his uniform with pride at appropriate times. By the time the Scout has earned the Arrow of Light they are truly ready .

to enter the family of a troop and become a Boy Scout. His Cub Scout light has grown as bright as it can go. (*The Scout behind the Arrow of Light turns on his candle*)

We have (#) boys here tonight who have completed all of the requirements to receive the arrow of light award. They have said that they are willing to take on the responsibility of being a Boy Scout, to be prepared and to do a good turn daily. As I call your name, would you please come forward and stand here facing the audience. I am being assisted tonight by (*Den Chief's name*) who has been Den Chief to these boys for the past (#) years. The boys are receiving their Arrow of Light patch, the only Cub Scout award that they can continue to wear as a Boy Scout as well as a certificate of Achievement. (*DL passes out the patches and the DC passes out the framed certificates.*)

The accumulation of their years as a Cub Scout has helped their light grow into a much brighter light to help them see their way into the future: The future of Scouting and the future of life. (*DL turns on camp lantern and stands in the middle of the boys and helps them raise the lantern high*)
Congratulations again!

Cubmaster Minute

Future Astronauts

Would you like to ride in a star ship or a planet hopper, to walk on the moon or float through space, or be a part of a space station crew? We may be doing such things some day. We can't be sure, but one thing is certain: The world will need good men and women in the future. And you can be sure that you will fill that need if you remember to follow the Cub Scout Promise. Let's think about that as we stand and say the Cub Scout Promise together.

Life On Other Planets

Form the pack in a large circle.

Cubmaster says:

"We've had lots of fun this month imagining what life may be like on other planets. We've looked into the night sky and enjoyed its beauty. Some of you may have learned, too, that the North Star, Polaris, is fixed overhead and that it is used by space travelers and ship captains to find their position. In Cub Scouting we have our own North Star, the Cub Scout Promise. Like the North Star, the Promise is a guide for people on Earth. If we follow the Promise, we can be pretty sure that we will be good men. Please join me now in repeating the Cub Scout Promise."

(Make the Cub Scout sign and lead Promise)

Songs

Astronomer's Song

(Tune: Yankee Doodle)

We've got our eyes upon the sky,
We watch the stars that shimmer.
The sun and moon are friends of ours,
We know their every glimmer.
Keep your eyes upon the skies.
Watch the twinkling stars,
It's better than a TV show,
There's Jupiter and Mars.

The Astronaut Song

(Tune: If You're Happy and You Know It)

Outer space is where I really like to go
I ride inside a spaceship, don't you know
I like to travel near the stars
Wave to Jupiter and Mars
Outer space is where I really like to go



When Cubs are in the spaceship.

When we return home, things will be all right.

Clap 4 times

When Cubs are in the spaceship.

I See a Bright Star

(Tune: You Are My Sunshine)

I see a bright star,
It's not a night star.
It only shines bright during the day.
Right through my window
It casts a warm glow,
A lovely sunbeam, a bright, golden ray.

When other stars shine,

Yes, when it's night time.

This single star sets off in the west.

It goes to bring light,

Where others have night..

Because our star, called the "sun" never
rests.

The Grand Old Captain Kirk

(Tune: the Farmer in the Dell)

The Grand Old Captain Kirk
He had 4 hundred men.
He beamed them down to planet side
And beamed them back again.

And when they're up, they're up
And when they're down, they're down
And when they're only halfway up,
They're no where to be found

Cubs In The Spaceship

(Tune: Deep In The Heart Of Texas)

The stars at night were big and bright
Clap 4 times.

When Cubs are in the spaceship.

We'll get up early to see the sunlight.

Clap 4 times.

When Cubs are in the spaceship.

The moon is round, cold and white.

Clap 4 times.



As We Travel

(Tune: Deep and Wide)

Moon and stars, Moon and stars
Way up in the atmosphere there are,
Moon and stars, Moon and stars,
As we travel through the atmosphere.

Planets here, planets there.

Everywhere in space you're bound to see

Planets here, planets there,

As we travel through the atmosphere.

Cub in Outer Space

(Tune: Twinkle, Twinkle, Little Star)

Twinkle, twinkle little stars,
How I wish I lived on Mars.
It's the planet that's all red.
I would never go to bed.
Martian kids would be my friends.
I would set new Cub Scout trends.

When the Cubs would want to race,
We'd fly out to outer space.
Take a rocket to the moon.
Or blast off to see Neptune.
And when we got all worn out,
We could all just float about.

Twinkle, twinkle little stars,
We would fly in fast space cars.
Living out in space is neat.
Think of aliens we could meet.
How I wish I lived up there,
Breathing only bottled air.



Fly This Ship

(Tune: Row, Row, Row Your Boat -around)

Fly, fly, fly this ship,
With your Martian friend.
All around the planets we go,
Until we reach the end.

No Bananas In The Sky

(Tune: Head, Shoulders, Knees and Toes)

There are no bananas in the sky, In the sky
There are no bananas in the sky, In the sky
There's a sun and moon, And coconut cream
pie
But there are no bananas in the sky, In the
sky

No - Action of sweeping hands from crossed
position across the chest outwards and away
from the body

Bananas - Action of peeling a banana

Sky - Action of pointing upwards towards
the sky

Sun - Action of putting hands against side of
head palms facing forwards to make the
shape of the sun

Moon - Action of putting hands to one side of
head to make a pillow for the head to rest on
as if asleep

Coconut cream pie - Action of feeding a
hand sized pie into mouth

Nebulas Are Clouds of Dust

(Tune: London Bridge is Falling Down)

Nebulas are clouds of dust,
Gas and dust,
Gas and dust,
Nebulas are clouds of dust,
Stars are born here.
A Star's Lament
(Tune: Reuben, Reuben)

How I'd like to be an actor,
And see my face on the silver screen
I'd do my best and win an Oscar
Hollywood's my dream.

On second thought, I don't think that
Acting is the life for me.
I'll stay home and do my best here.
A Cub Scout's what I'll be.

Oh Give Me The Sky

(Tune: Home On The Range)

Oh, give the sky, where I like to fly.

Where the birds and the airplanes go by..
Where often is heard just a whirlybird.
And the skies are not cloudy all day.

Chorus:

Up, up in the sky.
Where the birds and the insects go by,
Where often it's heard just a whirlybird.
And the skies are not cloudy all day.
How often at night when the skies are
bright,
With the light from the glittering stars,
Have I stood here amazed and asked as I
gazed,
If I could touch one of those hot stars.

Chorus

Oh, give me a sky where the bright yellow
sun,
Glows brightly down long, long sunbeams,
Where graceful white kites, go gliding along
Like white sheets in my silly day dreams.

Chorus

Where the sky is so pure, the west winds so
free,
The breezes so balmy and light.
That I could always fly my plane in the sky.
Through all of the big cities bright.

Chorus

Skits/Audience Participation

No Rocket Scientist

Cast: 1 Rocket Pilot, 2 ground control

Setting: Rocket pilot in a rocket, and ground
control with computer, on opposite sides of
stage.

ROCKET PILOT: Mayday! Mayday! Engine
on fire! Mayday!

GROUND CONTROL 1: We read you. Hang
in there. We're going to try and lock in on
your location with our computer.

ROCKET PILOT: Well, hurry up! I can't hold
on much longer. I'm surrounded by flames.

GROUND CONTROL 2: OK. This is critical.
Before you eject, state your height and
position.

ROCKET PILOT: Oh, I'm about 5 foot 2 and
I'm sitting down. Bye! (pretends to push
eject button, and jumps out of cockpit.)

All Star Reunion (Audience Participation)

Elvis (Presley) - Thank you, thank you very
much.

Clint (Eastwood) - Make my day.

William (Shatner) - Beam me up, Scotty.

Sean (Connery) - The name is Bond, James
Bond.

Marlon (Brando) - I'll make him an offer he
can't refuse.

One day a group of old friends ran into each
other in the park. They hadn't seen each
other for years. *Clint Eastwood* greeted
William Shatner and *Sean Connery* with a
hearty handshake. *Clint Eastwood* asked
Sean Connery what he had been up to. *Sean*
replied, "I've been hiking in the Himalayas
and got up to about 16,000 feet." "Very
funny, *Sean*." Next he asked *William*
Shatner what he had been up to. *William*
replied he had been where no man had gone
before. "Ha, ha, ha!" *Clint Eastwood* and
Sean Connery chuckled. Then who should
walk up to them but another old friend,
Marlon Brando. It was handshakes all
around. *Marlon Brando* wanted to know what
his friends had been doing. *Clint Eastwood*
said he'd been down and dirty working on a
ranch, and we know what *William Shatner* and
Sean Connery were doing. "What have you
been doing, *Marlon*?" they asked. "This is
going to sound strange, but I've been looking
for *Elvis*." *Sean Connery* responded, "You
mean *Elvis Presley*?" "Yes," said *Marlon*. "I
can guarantee he's not in outer space." Said
William Shatner. "*Elvis* has not been to my
ranch." Said *Clint Eastwood*. *William* asked
"Why are you looking for *Elvis* anyway,
Marlon? I thought he died." "He did, but I
made him an offer he can't refuse and dying
can't even get him out of it."

Swinging on a Star

(by Johnny Burke, Jimmy Van)

Would you like to swing on a star
Carry moonbeams home in a jar
And be better off than you are
Or would you rather be a mule?

A mule is an animal with long funny ears
Kicks up at anything he hears
His back is brawny but his brain is weak
He's just plain stupid with a stubborn streak
And by the way, if you hate to go to school
You may grow up to be a mule

Or would you like to swing on a star
Carry moonbeams home in a jar
And be better off than you are
Or would you rather be a pig?

A pig is an animal with dirt on his face
His shoes are a terrible disgrace
He has no manners when he eats his food
He's fat and lazy and extremely rude
But if you don't care a feather or a fig
You may grow up to be a pig

Or would you like to swing on a star
Carry moonbeams home in a jar
And be better off than you are
Or would you rather be a fish?

A fish won't do anything, but swim in a brook
He can't write his name or read a book
To fool the people is his only thought
And though he's slippery, he still gets caught
But then if that sort of life is what you wish
You may grow up to be a fish
A new kind of jumped-up slippery fish
And all the monkeys aren't in the zoo

Every day you meet quite a few
So you see it's all up to you
You can be better off than you are
You could be swingin' on a star

Star Gazing

A scout walks to the center of the campfire looking up at the sky, keeping his head and neck very still. Soon he is joined by another scout and then another and so on. Each scout looks around and then begins to look toward the sky. The last scout enters and asked the scout next to him, "what are we looking at. He answers "I don't know." and then that scout asked the next until the question and get to the original scout. The original scout replies: "I don't know. I've got a stiff neck!"

Lights, Camera, Action

This skit is performed on a Hollywood sound stage, you have a director, cameraman and actors: Doctor, leading man and maiden. The man is on his death bed, maiden runs to call for the doctor, doctor comes and says he can't help, with the maiden at his side the man dies in her arms. The maiden sobs on the doctor shoulder. The Director every time stops the movie here and changes the directions: Too slow, too fast, too sad, too happy,. The real fun comes from the actors following the instructions, fast is running and voices like bees, slow is slow motion, etc. (when the man dies slow, it takes forever.) The last direction is do it normal, everyone performs and the director is please, the director instructs them to do it again and says to the cameraman, now put the film in the camera!



Devotional: If God Created Everything, Did He Create Evil?

A University professor at a well-known institution of higher learning challenged his students with this question.

"Did God create everything that exists?"

A student bravely replied, "Yes he did!"

"God created everything?" The professor asked.

"Yes sir, he certainly did," the student replied.

The professor answered, "If God created everything; then God created evil. And, since evil exists, and according to the principle that our works define who we are, then we can assume God is evil."

The student became quiet and did not answer the professor's hypothetical definition. The professor, quite pleased with himself, boasted to the students that he had proven once more that the Christian faith was a myth.

Another student raised his hand and said, "May I ask you a question, professor?"

"Of course, Albert" replied the professor.

The student stood up and asked, "Professor, does cold exist?"

"What kind of question is this? Of course it exists. Have you never been cold?"

The other students snickered at the young man's question.

Albert replied, "In fact, sir, cold does not exist. According to the laws of physics, what we consider cold is in reality the absence of heat.

Every body or object is susceptible to study when it has or transmits energy and heat is what makes a body or matter have or transmit energy. Absolute zero (-460 F) is the total absence of heat. And all matter becomes inert and incapable of reaction at that temperature.

Cold does not exist. We have created this word to describe how we feel if we don't have enough heat."

The student continued, "Professor, does darkness exist?"

The professor responded, "Of course it does."

The student replied, "Once again you are wrong, sir, darkness does not exist either. Darkness is in reality the absence of light. Light we can study, but not darkness. In fact, we can use Newton's prism to break white light into many colors and study the various wavelengths of each color. You cannot measure darkness. A simple ray of light can break into a world of darkness and illuminate it.

How can you know how dark a certain space is? You measure the amount of light present. Isn't this correct? Darkness is a term used by man to describe what happens when there is no light present."

Finally Albert asked the professor, "Sir, does evil exist?"

Now uncertain, the professor responded, "Of course, as I have already said. We see it everyday. It is in the daily examples of man's inhumanity to man. It is in the multitude of crime and violence everywhere in the world. These manifestations are nothing else but evil." To this Albert replied, "Evil does not exist, sir, or at least it does not exist unto itself. Evil is simply the absence of God. It is just like darkness and cold, a word that man has created to describe the absence of God. God did not create evil. Evil is the result of what happens when man does not have God's love present in his heart. It's like the cold that comes when there is no heat, or the darkness that comes when there is no light."

The professor sat down.
Albert's last name -- Einstein

Trip To The Moon

Cast:

Controlman

2 Spacemen

President

Man-In-The-Moon

2 Space Mice

Props:

Spaceship

Telescope

Moon with door big enough for head to stick out

Chair

Setting: (As curtain opens, Controlman is looking at the moon through a telescope, at left. Spaceship stands close by. Man-in-the-Moon & Space Mice are hidden behind moon on opposite side of stage. Spacemen enter at left, helmets under left arms and they approach Controlman.

1st Spaceman: Has the President arrived?

Controlman: Not yet.

2ND Spaceman: I hope he won't be late. We have no time to waste.

Controlman: (looking through telescope)

That's right. The moon is in good position for a perfect landing.

(Enter PRESIDENT of U.S. Play a few bars of "Hail to the Chief" as he enters.

Spacemen & Controlman stand at attention.)

President: This is a great day for our country. I don't know what we would do without you brave Cub Scouts, who are willing to risk your lives on this dangerous mission to the moon. I can only wish you good luck.

(President goes to a chair to the left to watch take-off.)

Controlman: Get ready for the countdown.

(He sits at control panel.)

Spacemen: put on your helmets and get behind the space ship.

1ST Spaceman: We're ready.

Controlman: Ten, Nine, Eight, Seven, Six, Five, Four, Three, Two, One Blast Off!

(Spacemen slowly pick up space ship, turn it to horizontal position and walk very slowly across the stage to the moon.)

2ND Spaceman: We've been out here in space for a long time now. When do you think we'll reach the moon?

1ST Spaceman: We should be there very soon now.

(Spacemen arrive at Moon, sticking it with point of Space Ship.)

Man-In-The-Moon: Ouch! What stuck me?

(Spacemen stand ship on end)

2ND Spaceman: Who said that?

1ST Spaceman: There must be someone here after all.

Man-In-The-Moon: (Opening- door in the Moon & sticking his head out.) Of course there is! Haven't you ever heard of the Man-in-the-Moon?

2ND Spaceman: Yes, but I thought that was a fairy tale!

Man-IN-The-Moon: No, indeed! I've been here a long time.

1ST Spaceman: Can you tell us if we are the first earth people here?

Man-In-The-Moon: Yes, you are the first People. Another ship landed before yours did, though. There were mice in that one.

(Space Mice come from behind moon, one on either side.)

1ST Mouse: Did you call us?

2ND Spaceman: What in the universe are you doing here?

2ND Mouse: The Russians shot us up here!

1ST Mouse: We were supposed to go back to earth, but we wouldn't go.

2ND Mouse: We like it here. We're going to stay forever!

1ST Spaceman: But how can you live here?

What can you find to eat?

1ST Mouse: Find to eat? We never had it so good!

2ND Mouse: You mean you don't know. You never heard?

Both Mice: The moon is REALLY made of GREEN CHEESE!

(SPACEMEN faint as CURTAIN falls).

Cubs on the Moon

Cast: 3 Cub Scouts, 1 Den Leader, 2 moon monsters

Setting: Cubs and den leader are touring Cape Kennedy. They are looking at all of the equipment and buttons.

SCENE 1:

CUB 1: Gee, look at all of the equipment inside this space ship.

LEADER: Don't push any buttons. This one sends the rocket up.

CUB 2: You mean this one? (Pushes button.)

SCENE 2:

LEADER: Now you've done it! Here we are on the moon. I told you Cubs not to push any buttons.

(Enter two moon monsters.)

MONSTER 1: Gee, you sure are little for Earth Cubs.

MONSTER 2: Yea, I though you were all giants.

CUB 3: Oh, Why?

MONSTER 2: Because of the GIANT step left by Neil Armstrong!

AUDIENCE PARTICIPATION

How The Sun, Moon, and Stars Got Into The Sky (Old Indian Legend)

York Adams Council

CHIEF: Stand with arms folded across chest and say "Ugh! Ugh!"

SUN: Cover eyes with hands

MOON: Frame face with hands and smile

STARS: Blink rapidly

Long, long ago the Indians has no fire and no light. They suffered much during the cold of winter and they had to eat their food uncooked. They also had to live in darkness because there was no light.

There was no SUN, no MOON, and no STARS in the sky. The great CHIEF kept them locked in a box. He took great pride in the fact that he alone had light. This great CHIEF has a beautiful daughter of whom he

was also proud. She was much beloved by all the Indians in the tribe.

In those days, the raven had the power of magic. He was a great friend of the Indians and the Indian CHIEF. He wondered how he might make life more comfortable for them. One day he saw the daughter of the CHIEF come down to the brook for a drink. He had an idea. He would put a magic spell on her. In time a son was born to the daughter of the CHIEF. The old CHIEF was delighted as the boy grew. His grandfather, the CHIEF became devoted to him. Anything that he wanted he could have.

One day he asked the CHIEF for the box containing the STARS. Reluctantly the old CHIEF gave it to him. The child played for a while by rolling the box around. Then he released the STARS and flung them into the sky. The Indians were delighted. This was some light though not quite enough.

After a few days, the child asked for the box containing the MOON. Again the CHIEF hesitated, but finally, the boy got what he had asked for. Again, after playing a while with the toy, the boy released the MOON and flung it into the sky. The tribe was overjoyed. But still there was not enough light and the MOON disappeared for long periods.

Finally, the boy asked for the box with the SUN. "No," said the old CHIEF, "I cannot give you that." But the boy wept and pleaded. The old CHIEF could not stand the tears, so he gave him the box. As soon as he had a chance, the child released the SUN and cast it up in the sky.

The joy of the Indians knew no bounds. Here was light enough and heat as well. They ordered a feast of the SUN and all of the Indians celebrated it with great jubilation. And the old CHIEF was happy. He had not known that the SUN and the MOON and the STARS could mean so much for the happiness of his people. And for the first time, he too, enjoyed himself.

Cheers/Applause

Falling Meteorite Cheer - Take an old, solid color sock and push a tennis ball down in the toe. Have the audience stand and tell them that the ball is a falling meteorite and they are to make sound effects as it whistles and roars through the atmosphere toward earth. Instruct everyone to whistle and shout from the time it leaves your hand until the time it touches the ground. Tease them by tossing it up in the air and catching it, or throwing it to another leader.

"Star-Far" cheer: Divide the group one side is "Star" one side is "Far" Point to a side and they yell their word, point to the other side to see which is louder or softer, point to each faster and faster.

Starlight cheer: Can be done all together or divide the group into 4 and each one gets a line.

Starlight star bright
First star I see tonight.
I wish I may, I wish I might.
Do my best with all my might
DO MY BEST!

Lift off applause: Tell the audience to stand. Everyone counts backwards from 10, crouching slightly lower with each number. On zero, everyone shouts "LIFT OFF!!!" and jumps as high as they can.

Shooting Star applause: Point to the sky and say: "There it is. Make a wish"

Falling Star Applause: Tell the audience to stand. Everyone lifts their left arm up slowly over their heads. Then, they will tilt their bodies to the right, while making a fading whistling sound.

Autograph applause: Point to the group and say "Oooh, it's (name of den or group), Can I have your autograph!"

Games

FZZZT BLAAAAAT (Outdoor Balloon Game)

Equipment: Good Quality large round balloons in at least 2 different colors (one color for each team)

This game is named after the sound a full balloon makes when you let it go. Divide into teams of equal members. Give everyone on the team the same color balloon. Find a central starting point with plenty of room in all directions. The idea of the game is for one member from each team to start at the central point with a full balloon. The balloon is released letting the air escape. Wherever the balloon lands the next team member releases their balloon from that point and so on. The team farthest away at the end wins.

Astronauts in Space

Simulate working in space like the astronauts do

Materials: 1 set of each for each team. A matching bolt and nut, hammer, nail and block of wood; screw, screwdriver and block of wood; marbles, 2 bowls and tongs; zip lock bag and small items (like pennies) stuffed gloves (such as ski gloves).

To play: Divide the boys into teams. The first member of each team puts on the ski gloves, runs to the table and performs the designated task. He then runs back to his team, removes the gloves and passes them to the next member in line. Continue until everyone has had a turn. Variation: Gather materials for 4 or 5 of the listed "jobs", and set up an obstacle course. The boys must complete the activity at one station before moving to the next station. This will require a set of gloves for each boy.

Missile Launch

Equipment: Paper, Trash cans or Hula Hoops.
This simple game can be loads of fun. Give every Scout a sheet of paper and have him make his favorite missile (paper airplane). Divide the boys into teams of 4- 8 boys (Just so long as they are all even). Set up a trash can or hula hoop for each team. The first team to get all their missiles on target is crowned the winners.

Shooting Stars (Outdoor Game)

Cut stars out of the lids of coffee cans, leaving a star shape hole, hang the star from a tree or swing set at different heights, throw or use a catapult to shoot popcorn thru the star hole as if the popcorn was a comet in the sky. See how many comets make it thru or how many will fall from the sky. (The birds will eat the popcorn so clean up is easy).

Rocket Regatta

Equipment: Fishing line, 7 oz paper cups (one for each boy) 3x3 sticky notes, tape, 2 high back chairs or other things that the fishing line can be tied to at about 3 $\frac{1}{2}$ feet off the ground. You need to set up 2 lines so the boys can race.

To Play: Give each boy a paper cup. He can carefully color it if he wishes. Have the parent tape one side of a sticky note to the cup (the side opposite the sticky part). Bend the sticky note over the fishing line and attach the sticky part close to the side that is taped. The boys then blow in the cup from one end of the line to the other.

Constellation Identification

Materials: Project Board, glow-in-the-dark stars (all sizes), clear plastic to cover, glow-in-the-dark paint, a stapler and black material.

Put stars all over the board and arrange some of them in the shape of some of the constellations. Mark the constellations, then cover the board with the plastic and make dots with the paint to connect the stars to form the constellations. Staple the black material to the board (use to make it dark in the room). Let the boys try and guess how many they can find. Pull down the plastic and see how many they can name.

Alien Egg

York Adams Council

Divide the boys into pairs. Tell them that you have been given an alien egg (a ball about volleyball size wrapped in aluminum foil). The egg cannot be moved from place to place unless it is carried between the heads of two people. The egg is unique in this way because it must be in contact with human brain waves while it is in motion or the baby alien inside might get upset, break open the egg, and eat the floor. The object is for each pair to crawl sideways to the end of the playing area and back. They must then exchange the egg with the next pair in line without using their hands.



Rings of Saturn Relay

York Adams Council

This is an old relay race that takes on a new meaning in light of the theme. Divide the den into two teams and give each boy a toothpick. Then place a "ring of Saturn" (lifesaver) on the toothpick of the first boy in each team. He must pass the ring to the next boy to the next and so on. Once he has passed the first ring successfully, place the second ring on the toothpick. And then the third, and fourth, and as many as will fit on a single toothpick! The first team to pass the rings to the last player wins. (If a ring falls to earth, replace it with a fresh one!)

Space Exploration

York Adams Area Council

Games Parts - individually wrapped candy in different colors, colored tape or marker cones to mark off the search area. Game leader will hide 10 candies of the same color in search area, plus 1 of a different color. Cubs need to search the area to find all 'samples'. After they are turned in and counted, they may each have 1 to keep. The colored candy counts as 3 points, all others are 1 point. Be alert to 'missed' candies from previous groups.

Rocket Relay

York Adams Area Council

Active, outdoors/indoors.

Equipment: 1 chair per Six.

Formation: Relay.

The Dens line up with a chair at the head of each, facing away from the Den. The chairs are 'launching pads' and the first Cub or 'rocket' stands on the chair awaiting the countdown.

When the leader reaches zero, the 'rocket' blasts off round the room, touching all four walls, and returns to the 'launching pad' where the next 'rocket' is waiting to be launched. The first 'rocket' lets off the second and returns to his Den.

Movie Star Mayhem

Equipment: for each team have a set of 5 cards with the words HAT, SHIRT, TIE, GLASSES, SHOES written on them, a hat, large dress shirt, tie already tied, sun glasses, and large loafer style shoes. There should be less than 5 boys per team. The boys should remove their shoes before they play. The items are put in a pile a distance in front of the teams. An adult is holding the cards and standing by the first boy in line (one adult per team) When the leader says "GO" the first boy draws a card, read what it says, runs to his teams pile and puts on that item. He then runs back to his team, takes off the item and the next person in line puts it on, draws a card and goes down and puts on the item. He runs back to the next person in line and takes off the 2 items he has on and the third person puts them on and draws his own card. This is repeated until the 5th person returns to his team wearing all five items. The first team back with all five items wins.



Snacks

Sparkling Drink of the Stars

Makes approximately 3-1/2 quarts

Ingredients: $\frac{1}{4}$ Cup sugar

1 Cup warm water

1 46 oz can pineapple juice

2 liters of any lemon-lime soda

$\frac{1}{4}$ Cup lemon juice

6 cups of orange juice

Directions: Dissolve the sugar in water.

Add rest of ingredients

Garnish with lime and orange slices

Space Fudge (Zip-Loc Fudge)

Ingredients:

Ziploc Sandwich bag (for active hands, better use a quart freezer bag)

4 Tablespoons powdered sugar (1/4 Cup)

1 Tablespoon butter (1/8 stick)

2 teaspoons cream cheese

Few dashes of vanilla extract

$\frac{1}{2}$ to 1 Tablespoons Cocoa powder

Directions:

1) Put all ingredients in the bag.

2) Squeeze out air and zip bag.

3) "Smooch" ingredients together until well blended.

4) If desired, add mini M&M's raisins, peanut butter, etc.

5) This is a single serving recipe.

6) To eat, cut off a small amount from one of the corners and squeeze it into your mouth like the astronauts eat their food in space.

Crafts

Hanging Constellations

Materials: large nail, hammer, wood scrap, pattern, metal flashing circles from a hardware store.

Procedure: Tape the pattern over the flashing circle. Put it on top of the scrap of wood. Using the nail and hammer, make small holes where the points are indicated on your pattern, plus one more at the top. When you have poked all of the holes, remove the pattern and turn the flashing over. Tap

lightly with the hammer to make tone down any rough edges around the holes. Put string or fishing line through the extra hole and hang. You can use a permanent marker to identify your constellation. See additional page for some patterns.

Space Garden (Charcoal Crystal Garden)

Make a colorful crystal garden to brighten up an indoor corner.

Materials: Charcoal briquettes, shallow dish, $\frac{1}{4}$ cup water, $\frac{1}{4}$ cup bluing (from a drug store), $\frac{1}{4}$ cup salt, 1 tablespoon ammonia, food coloring.

Procedures: Mix water, bluing, salt and ammonia together. Pour over charcoal, add a few drops of food coloring to the tops of the charcoal pieces. Keep moist with liquid solution.

Martian Neckerchief Slide

Use a small Styrofoam ball, cut in half and painted green (be sure the paint can be used on Styrofoam.) Add a pipe cleaner ring to the back (flat side), stick into the fall and glue in place. Add decorations such as pipe cleaner antenna, coiled pipe cleaner "ears", wiggle eyes, etc.

Star Candleholders

Materials: Star shaped cookie cutter, 1 inch - 1-1/2 inch wide strip of cardstock, long enough to go completely around the inside edge of the cookie cutter. Plaster of Paris, plastic spoon, water, paper cup, wax paper, food coloring/tempera paint, narrow candle or tea light candle.

Procedure: Fold the narrow strip of cardstock so that it lays along the inside edge of the cookie cutter. Set it on the piece of wax paper. Put about 1/3 cup of plaster mix into the cup. Add your food coloring or paint at this time. Slowly pour in about $\frac{1}{4}$ cup of cool water. Mix slowly so that you don't stir up lots of the plaster mix into the air. Try not to breathe in the dust. If you are going to be doing a lot of these or

there are many working at one time, you may want to do this outside. When the mix is complete slowly pour into the mold. Use the spoon to move the plaster from the center into the points of the star. Scoop away a little of the plaster from the center and press in your tea light or candle. Don't push them all the way to the bottom. The tea light should go to the top of the metal holder and the candle, about half the depth of the plaster. Let sit 30 - 60 minutes before removing the mold. After the plaster is well dried, about a week, you can decorate the edges with glitter if desired. Or leave the cardstock in place as a contrast to the color of the plaster. Any rough edges can be lightly sanded off.



Martian Neckerchief Slide

Use a small Styrofoam ball, cut in half and painted green (be sure the paint can be used on Styrofoam.) Add a pipe cleaner ring to the back (flat side), stick into the ball and glue in place. Add decorations such as pipe cleaner antenna, coiled pipe cleaner "ears", wiggle eyes, etc.

Super Star Glasses

Materials: Cardboard (ie. from a cracker or cereal box), colored cellophane, scissors, glue, paint.

Procedures: Make 2 similar shapes close together in the center of the cardboard. These shapes should be at least 2 inches across and about $\frac{1}{2}$ inch apart. You could trace cookie cutters as patterns or make up your own. From opposite sides of these shapes draw tabs about 4 inches long and $\frac{3}{4}$ inch wide. These will be the part of the glasses that go over your ears. Draw around the inside of your shape about $\frac{1}{2}$ inch from the original shape. Cut out this inside section. Cut out around the tabs and the outside of the shapes. Paint the cardboard and decorate as desired. Cut the cellophane into pieces big enough to fit over the cut out portion of the shapes, but not stick out beyond the edges. Glue in place. Fold the tabs back and be the Cub Scout Star you are!

I'm A Cub Star:

In Advance: Take pictures of Cubs, develop, and bring to the meeting. Have a stencil of a large bear cub and a stencil of a smaller star. Have the boys to trace them and cut them out. On the points of the star choose one word to describe them. Then have cut out the picture of them selves (no background) to fit inside the star, and glue it down. Then place the star on the cub and tell what they like to do in scouting on the paws.



Run-Ons

Q: Did you hear about the satellite dishes who married?

A: The ceremony was awful, but the reception was great!

Q: What kind of music do astronauts play?

A: Nep-tunes.

Q: Why do astronauts see the doctor right before they blast off?

A: To get their booster shots.

Cub 1: The moon is going broke!

Cub 2: Why do you say that?

Cub 1: The TV weatherman said that the moon is down to its last quarter.

Cub 1: I'm going to cross the galaxy with a toad.

Cub 2: I wouldn't do that if I were you.

Cub 1: Why not?

Cub 2: Don't you know what you'll get?

Cub 1: No. What?

Cub 2: Star Warts!

Q: How do astronauts bring their food to work?

A: In launch boxes.

Q: How did the rocket lose its job?

A: It got fired.

Q: What did the astronaut cook for lunch?

A: An unidentified frying object!

Q: What did Neptune say to Saturn?

A: Give me a ring some time!

Q: What holds the sun up?

A: Sun Beams

Q: What kind of stars wear sunglasses?

A: Movie Stars.

Prayer

MOON PRAYER

Personnel: Narrator and 3 cubs

Narrator: Let us close our meeting this evening with the prayer broadcast to earth by Frank Borman on his historic mission orbiting the moon in December, 1968.

Cub 1: Give us, O God, the vision which can see Thy love in the world in spite of human failure.

Cub 2: Give us the faith to trust Thy goodness in spite of our ignorance and weakness.

Cub 3: Give us the knowledge that we may continue to pray with understanding hearts, and show us what each of us can do to set forward the coming of universal peace.

ACTOR'S PRAYER

God, we thank thee for the talents we have been blessed with. We thank thee for the opportunity to use them to help make others happy. Please help us to always use our abilities to bring joy to others and not for selfish purposes, that we may remember the Law of the Pack and always give good will. Amen.

Astronaut Frank Borman Prayer

York Adams Council

Setting: Have Cub Scouts and their families form a large circle.

The Cubmaster then reads the following prayer, which was broadcast to earth by U.S. Astronaut Frank Borman while on a moon-orbiting mission in December 1968.

(Cubmaster should explain what he is reading.)

"Give us, O God, the vision which can see the love in the world, in spite of our failure. Give us the faith to trust Thy goodness in spite of our ignorance and weakness. Give us the knowledge that we may continue to pray with understanding hearts, and show us what each one of us can do to set forward the spirit of universal peace."

Craftsman

DISPLAY FOR ARROW OF LIGHT AND PATCH VEST OR BLANKET

Materials: 4' X 8" X 5/16" Wood sheet, 1" X 2" X 6" wood, 1/4" X 36" dowel, 2 picture hangers, drill with 1/2" drill bit, sand paper, stain or paint as desired. Saw, clamps. 4 - 1" wood screws, wood glue.

Find the center of the long side of the 1" X 2" X 6" piece of wood. Measure in 3/4" from the edge on the 2" side and drill a hole. Find the center of the 2" sides at both ends and measure in 1 inch and drill a hole. There should now be 3 holes in this piece of wood all going the same direction. Going back to the center of the 6" side cut this piece in half, dividing the center hole in half. Put the 2 halves of wood together matching the holes and clamp together. Sawing them at the same time, round the corner kiddy corner from the half circle.

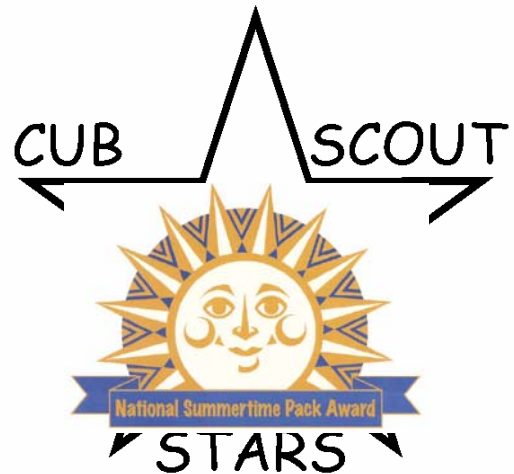
On the large sheet of wood, find the center of the length. Measure 15 inches to both sides of this center mark. Measure up from one side 2 inches and mark at the previous marks. This is where you will place your smaller wood pieces. Glue the small pieces with the holes on at this point so the rounded side is away from the board, but closer to the edge. When the glue has dried, screw the wood on from the back.

Paint or stain as desired. Also paint or stain the 36" dowel. Hang your Patch vest or blanket from this dowel and thread the dowel through the bottom holes on the main hanger.

Attach picture hangers on the back upper edge evenly spaced from the ends.

To make a patch blanket to hang from your display, use pinking sheers to cut red felt into a 2 ft X 2-1/2 ft piece and 4 or 5 1 inch X 6 inch pieces. Fold the narrow strips in half so the one inch edges match and overlap the top of the blanket. Attach as desired. You can use red yarn threaded on a yarn or tapestry needle to take a stitch through all three layers and then tie the

ends into a square knot or use brads poked through all three layers to hole them together. Put one in each of the top corners on the 2-1/2 foot edge and evenly space the other in between. Slip these loops over the dowel to hang from the display. Sew all of your patches on to this to show what fun things you participated in as a Cub Scout on the way to earning your Arrow of Light.



TIN CAN LUMINARIES:

Materials: Empty smooth sided cans, with one end open, paper, pencil, tape, hammer, large nail, cookie cutters (for patterns)

Procedure: The day before the luminaries are to be made measure the distance around the can and cut the paper to the same size. Fill the can with water and freeze.

Using star shaped cookie cutters or other desired shapes, draw simple shapes on the paper. At even intervals on the shapes mark the lines with dots, being sure that all points and intersections have a dot.

Remove the can from the freezer and lay on a towel, working quickly, wrap the paper around the can and hold in place with tape. Using the large nail and hammer, make a small hole at each dot on your pattern. Try to make the holes about the same size.

When your pattern is finished, remove the paper and the ice. When the can is dry, place a tea light or other small candle in it and light it. In a darkened environment you will see a beautiful display of your pattern.



MOON CRATER CANDLES:

Materials: Large empty tin cans (to melt the wax in), Candle wax from a craft store, old crayons, empty plastic coated cups or milk cartons, depending on the desired shape, beeswax sheets and cotton wicking, crushed ice.

Put wax chunks in the large empty can. Put this inside a pan and fill the pan with enough water to go about $\frac{1}{2}$ way up the can. Heat over medium heat on a stove until the water is almost simmering (little tiny bubbles begin to form on the edges of the pan and the can). The wax should begin to melt. It can be stirred with a spoon or wooden chopstick. Add old crayons that have had their wrappers removed to add color to the wax. One adult or den chief should be designated to watch the wax to make sure it doesn't get too hot or too cold.

Cut a piece of a beeswax sheet that is about 6 inches by the height of the candle mold (cup or milk carton) Lay a piece of the wick that is about 2 inches longer than the height of the mold along the edge that is the height of the mold, matching one end to the corner, with the other end hanging over the edge. Roll up the wax with the wick in the middle. Put this standing up in the center of your mold.

Get the crushed ice in a bowl or other container and spoon it into the mold around

the wax and wick. You don't want very large pieces of ice. Once the ice is in the mold, pour the wax into the mold to fill it up. After it has set for a couple of minutes you can fill it up a little more.

Let the wax set up for a while (15 minutes or so) and then you can remove the mold. Most often you have to rip it off. Be careful as you take off the mold. The wax will be fragile and there will also be water from the melted ice that will come out so it is best to do this over a sink or large tub to catch the water. Where the ice has melted away it will leave "craters". Be sure to put it on a large plate or pie tin when burning it as the wax will tend to leak out of the craters and puddle on the plate. It is a lot of fun to watch them burn.

If you don't get enough wax the first time around, you can add more wax and even making it a different color makes for an interesting candle.



STAINED GLASS CANDLE HOLDERS

Materials: 2 inches cut from the end of a Capri Sun or similar box, Petroleum Jelly (ie. Vaseline), 2/3 Cup plaster of Paris, water, cup for mixing, plastic spoon for mixing, Tempera paint powder, piece of glass apx. 4x6, rubbing alcohol, metallic tape, imitation leading, enamel paints or liquid stained glass paints. 2 tea light candles with metal cups.

Directions: Smear the inside of the box with petroleum jelly. Make sure the long edge of the glass piece will fit inside the long side of the box. If not cut the glass to fit or find a different box. Mix the tempera paint powder with the plaster in the cup. Add apx. 1/3 cup water, and mix until smooth. Pour slowly into the prepared box. Let set while you put petroleum jelly on the outside of the tea light cups and about $\frac{3}{4}$ of an inch in on one of the long edges of the piece of glass. When the plaster has slightly thickened, gently press the edge of the glass into the plaster about $\frac{1}{2}$ inch from the edge of the box. Only put it in to $\frac{1}{2}$ the depth of the plaster. Jiggle it a little bit so that it is a bit wider than the glass. Press the 2 tea light cups into the plaster half way between the glass and the far edge and evenly spaced from side to side. Once the plaster has had a chance to sit for 20-30 minutes, remove the glass and clean it well with window cleaner or rubbing alcohol. The alcohol will remove all finger oils from your hand and allow the paints to stick better. Cut a piece of metallic tape and carefully put it around 3 edges (2 short and 1 long edge) of the glass. Let a little bit wrap around on each end of the other long side. The untapped side will be the side that goes in the slot in the plaster holder. While the plaster is setting you can plan your design. Simple shapes work well. Put the pattern for your design under the glass and using the imitation leading squeeze out an even bead. You must make sure all corners connect and that there are no low spots as this will allow the paints to run into adjacent areas. Allow to dry until

the next meeting. Apply paints according to instructions on the paints. Allow to dry. Remove plaster base from the box mold and wipe off any remaining petroleum jelly. Insert your glass with the paint on the side away from the candles. Light your candles and enjoy the beautiful stained glass.

Scientist

FLYING SAUCER

Materials: Plastic lid or old CD, Lid from a sport drink (The kind that pull up to open), large balloon, hot glue gun with glue.

Cut a hold in the center of the plastic lid (if using) just a little smaller than the sports drink lid. Glue the sports drink lid over the hole, making sure that the glue completely surrounds the hole. Make sure the lid is closed. Blow up the balloon and carefully fit the neck of the balloon over the top of the close lid. Gently pull the lid open while the balloon is still on it. The pressure of the air going out of the balloon will make the lid sail like a flying saucer.

EYES: RIGHT..... OR LEFT

Ask the Webelos Scouts if they are right-eyed or lefty-eyed (as they are right handed or left handed.) They can check by extending a finger towards a distant object and keeping both eyes open. Then tell them to close their right eye. If the finger appears to jump, this means they are right-eyed. If it does not, they are left eyed, since the left eye is dominant.



INERTIA: RULER AND MARBLES

Materials: Ruler with a center groove, 6 marbles of the same size.

Lay the ruler on a table. Place 5 marbles in the groove touching each other. Place another marble about 1 inch from the group and flick it so that it strikes the group. The marble will stop when it hits the end of the group and a marble on the opposite end will move forward. Repeat with 2 marbles and 2 will leave the group from the other end. The moving marble has energy of motion (inertia) and when it strikes the marbles at rest, which have a tendency to stay at rest; the energy is transferred from marble to marble. The last resting marble starts rolling when it receives the transferred energy of motion.

BERNOULLI'S PRINCIPLE - SWING PING-PONG BALLS

Tape thread to 2 ping-pong balls and suspend them from the ceiling about 6" apart. Using a soda straw, blow between the suspended balls, and watch them move closer together. No matter how hard you blow, they never fly apart. The balls move together because of the lower pressure generated by the moving air.

AIR PRESSURE - BALLOON AND CAN RACE

Divide the group into teams. Each team will need a balloon for each Scout and an empty fruit can (be sure the inside end is free from sharp edges that could puncture the balloons). Each team will have a chair on each end of the room. Each team is divided with half of the team behind each of that team's chair. The can is placed on a chair. One boy holds the balloon in the can and blows it up enough to make the can stick on around the balloon. He then carries the balloon, with the can hanging on, to the other chair. He then deflates his balloon and the next boy inflates his own balloon and carries it and the can back to the original chair. The first

team to switch places wins. (Assuming they both have the same number of boys.)

Web Sites

Space Guide

<http://dsc.discovery.com/guides/space/space.html>

Cool Space Trivia

<http://www.triviaweb.co.uk/factgroup.asp?groups=Space>

The Fishline—Keeping an aquarium—check this out

<http://www.fishline.org/index.php>

Wendell

<http://www.arkie.net/scouting/>

Kids Space

<http://www.education.com/kidspace/>

Make a model of the Hubble Telescope

<http://sol.stsci.edu/~mutchler/HSTmodel.html>

Amateur Astronomy

<http://www.iolaks.com/softech/astro/astro.htm>

Seeing is believing

<http://www.exploratorium.edu/seeing/>

Links to sites demonstrating visual illusions and other phenomena:

<http://www.exploratorium.edu/seeing/links.html>

Clouds By Carl Wozniak

<http://seaborg.nmu.edu/clouds/>

Bill Smith will get you up and going with his Tiger Cub info and other Scouting info

<http://www.wtsmith.com/tiger/advancement.html>

ICEE coloring contest

<http://www.icee.com/KidsKorner/Coloring.htm>

My all time FAVORITE place to hang out on the web

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

Stomp Rockets

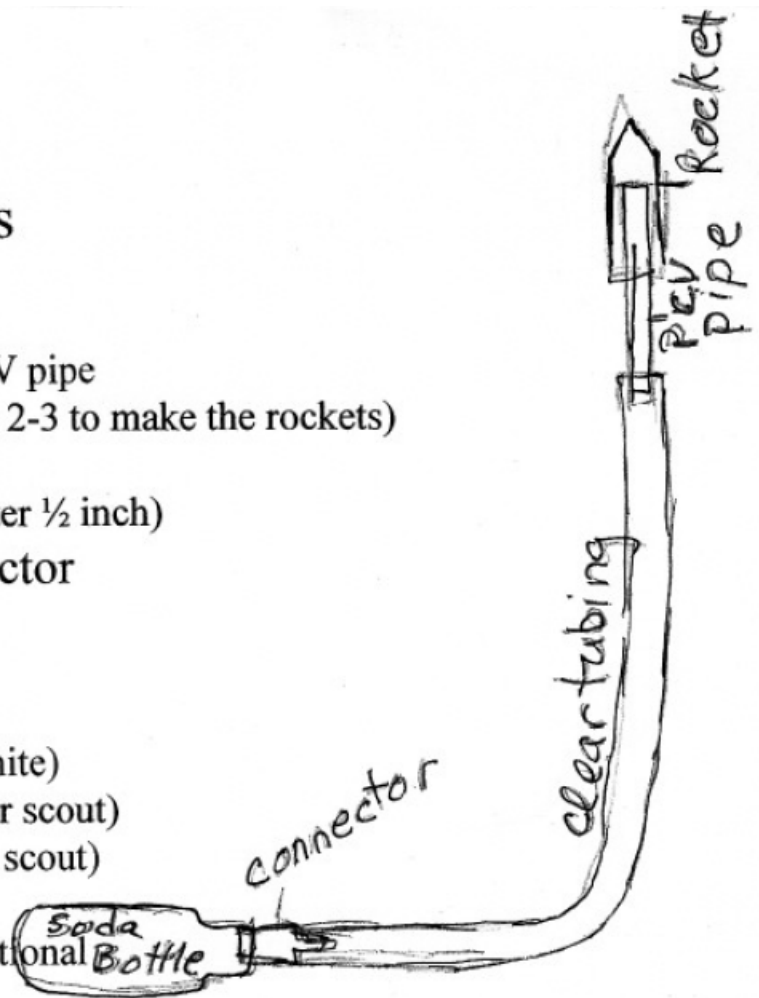
Materials:

Launcher:

- 3-4 piece of $\frac{1}{2}$ " PCV pipe
(one for launcher/ 2-3 to make the rockets)
- 5-6 ft. clear tubing
(inside diameter $\frac{1}{2}$ inch)
- $\frac{1}{2}$ " to $\frac{3}{4}$ " connector
- 2 liter soda bottles
- Duct Tape

Rockets:

- 8x11 paper (color or white)
(1 per scout)
- Soda bottle tops (1 per scout)
- Scotch tape
- Makers to decorate optional

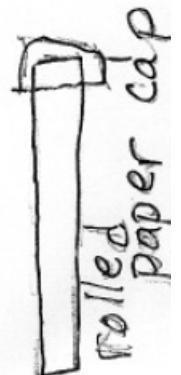


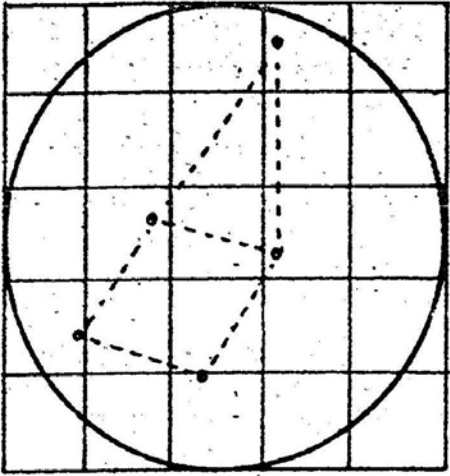
Assemble Launcher: place connector on one end of the tubing, the other end connect the PCV pipe.

The soda bottle is taped to the connector, the scouts stomp the bottle to fire the rocket. (after 5-15 stomps the bottle will need to be replaced.

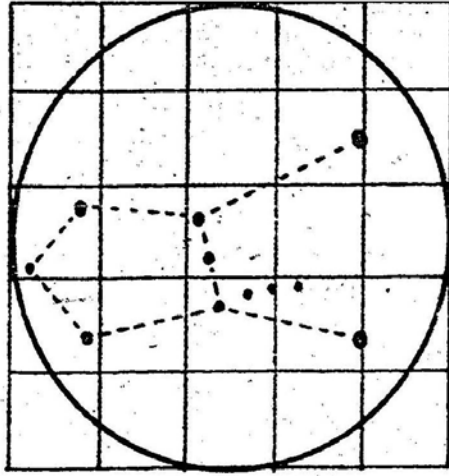
Rockets: The scouts roll a piece of paper length wise around a piece of PCV pipe then tape the edge. The cap is placed on one end of the paper and taped. Needs to be air tight. Make sure to paper rocket slides on the scrape piece of pipe because it is slipped on to the pipe to launch the rocket.

To launch the rocket: it is place on the pipe and pointed in a safe direction. The scout stomps on the soda bottle and watches to see what happens.

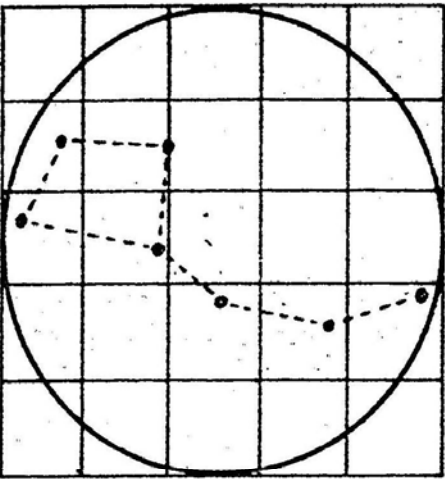




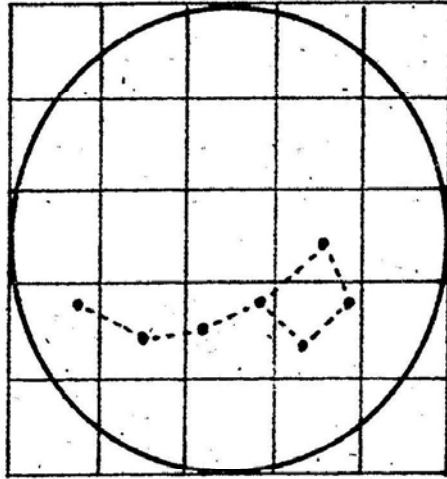
CEPHEUS



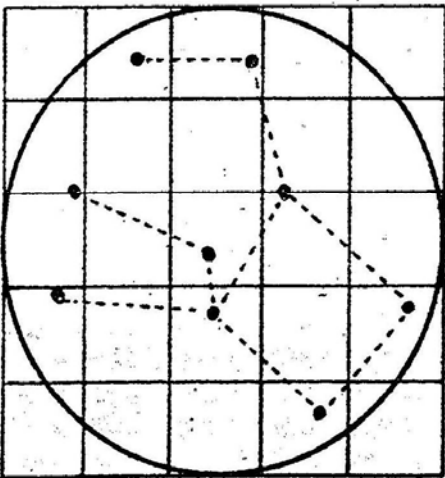
ORION



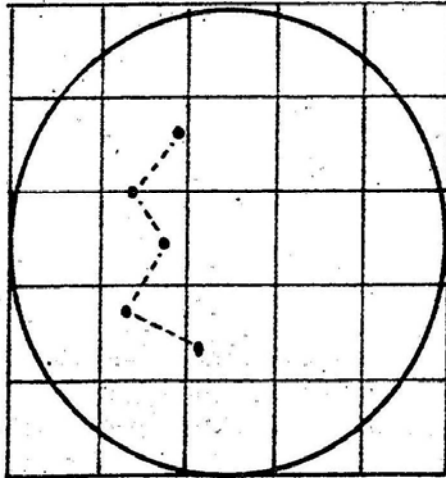
BIG DIPPER



LITTLE DIPPER



PEGASUS



CASSIOPEIA