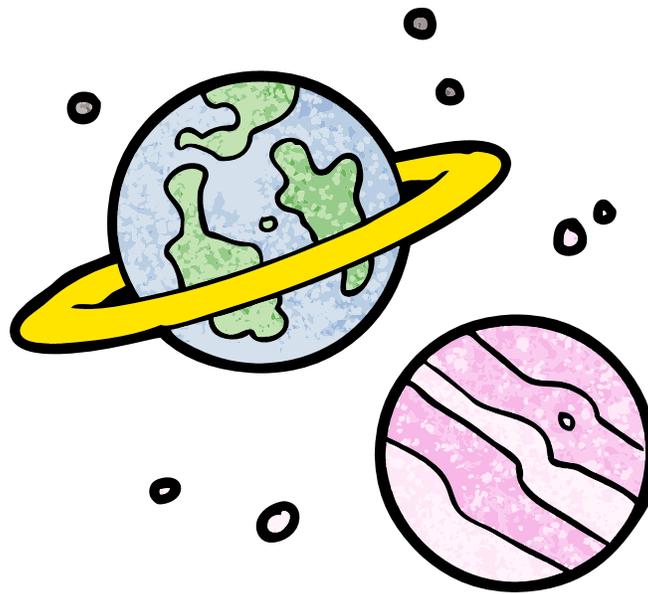


LEADER
CUB SCOUT MEETING GUIDE

**OUTER
SPACE**



PRE-MEETING EMAIL

SEND 1 WEEK PRIOR + A REMINDER DAY OF:

Pack (enter #) Families,

Our next meeting is (enter date) at (enter time). Please log-in using this Zoom Code (enter zoom code). I, (enter name), will be the meeting host. Our meeting theme is Outer Space! We will cover activities from the following adventures:

- Lion: Mountain Lion
- Tiger: Sky is the Limit
- Wolf: Paws on the Path
- Bear: Super Science
- Webelos: Adventures in Science

Please look at the meeting information (enter hyperlink), to make sure you prep your pre-meeting activities and complete any activities you wish to from home. We will ask TIGERS to share their constellation during the meeting (requirement 5). Remember, DO YOUR BEST and have fun with it!

See you at our meeting,

(Your Name)

ZOOM MEETING TIPS

WHEN SETTING UP YOUR MEETING:

- Prior to meeting:
 - Set up your meeting and email meeting code, only email to those in your Cub Scout Pack, set up a new meeting in Zoom for each meeting, so there is a new secure code
 - Pre-assign other adults to help as co-hosts, ask them to do specific tasks (monitor chat room, help present w/assigned slides)
 - Take a look at the slide deck, you could pre-assign older Scouts to present slides 7-17
- In settings turn off:
 - Annotation (prevents Scouts from writing on screen)
- At beginning of meeting
 - Mute everyone and select "do not let participants unmute themselves"
 - Make additional adults co-hosts
 - You can keep the chat open, but likely you will want to close the chat to "host only", the Scouts tend to spam the chat

SLIDE DECK SCRIPT

SLIDE 1

Welcome to our Cub Scout Meeting! We will start at (enter time)

SLIDE 2

In today's meeting we will learn about the Space X launch, we will meet some Scouts who have been to space, we will get to know Tremor the Dino, we will prep for a space hike and take a planet quiz, and we will check out the Tiger's constellation art

SLIDE 3

Humans are driven to explore the unknown, discover new worlds, push the boundaries of our scientific and technical limits, and then push further. The intangible desire to explore and challenge the boundaries of what we know and where we have been has provided benefits to our society for centuries. Let's explore space together!

SLIDE 4

MOVIE AUTO-PLAYS, AFTER MOVIE: For the first time in history, NASA astronauts have launched from American soil in a commercially built and operated American crew spacecraft on its way to the International Space Station. The SpaceX Crew Dragon spacecraft carrying NASA astronauts Robert Behnken and Douglas Hurley lifted off at 3:22 p.m. EDT Saturday, May 30th on the company's Falcon 9 rocket from Launch Complex 39A at NASA's Kennedy Space Center in Florida. So, what makes this launch so unique?

SLIDE 5

MOVIE AUTO-PLAYS Wow, that is so awesome! We will learn more about Space X in a bit, first let's go back in time and learn about Scouts who were astronauts.

SLIDE DECK SCRIPT

SLIDE 6

Of some 10,000 applicants to the National Aeronautics and Space Administration's (NASA) space program, Guion S. Bluford, an Eagle Scout, was one of 35 chosen to join the new space shuttle team in January 1978. He officially became a NASA astronaut in August 1979.

Bluford made history on August 30, 1983, when he became the first African American to experience space travel. Bluford was a specialist for mission STS-8 aboard the space shuttle Challenger, which took off from the Kennedy Space Center in Florida for its first night launch. Over the course of 98 Earth orbits in 145 hours, Bluford and the crew operated a Canadian-built robot arm and conducted several biophysiological experiments. The mission ended on September 5, 1983, when the spacecraft touched down at Edwards Air Force Base in California in a night landing, another first for Challenger.

SLIDE 7

Did you know Scouts actually have a long history with space exploration? Now we are going to learn 10 facts about Scouts in Space in the Apollo 11 mission which took place A LONG time ago in 1969. Apollo 11 was the spaceflight that first landed humans on the Moon. Commander Neil Armstrong and lunar module pilot Buzz Aldrin formed the American crew that landed the Apollo Lunar Module.

SLIDE 8

Apollo 11's commander was Eagle Scout Neil Armstrong. He was joined by astronauts Buzz Aldrin and Michael Collins.

SLIDE 9

The astronauts trained at Philmont Scout Ranch in New Mexico, to look at the geology which was said to be similar to the moon.

SLIDE 10

An estimated 600 million people around the world watched Armstrong's first steps on the moon's surface.

SLIDE DECK SCRIPT

SLIDE 11

Armstrong and Aldrin stayed on the moon for 22 hours.

SLIDE 12

The cost of the flag the crew planted on the moon was \$5.50.

SLIDE 13

NASA's Apollo 11 spaceflight landed on the moon on July 20, 1969.

SLIDE 14

Each Apollo 11 astronaut's spacesuit weighed 180 pounds.

SLIDE 15

The crew traveled 240,000 miles from the Earth to the moon in 76 hours.

SLIDE 16

The Apollo 11 computers had less processing power than a modern smartphone.

SLIDE 17

Armstrong earned 26 merit badges when he was a Boy Scout, but never earned the Space Exploration merit badge because it wasn't created until 1965.

SLIDE 18

There is a longstanding tradition of astronauts sneaking items into space! Here are 7 of the items that have hitched a ride on a spacecraft...

Dirt from a Pitcher's Mound, A Corned-Beef Sandwich, Dinosaur Bones, Amelia Earhart's Wristwatch, A Family Portrait, A Piece of the Wright Brothers' Plane, and Buzz Lightyear

SLIDE 19

And here is the item that astronauts snuck into space on the Dragon! Tremor the Dino! Or as they called him, the zero-gravity indicator. Let's learn about tremor!

SLIDE DECK SCRIPT

SLIDE 20

MOVIE AUTO-PLAYS, AFTER MOVIE: Thank you for those inspiring words! After more than 60 days in space these astronauts came back down to Earth.

SLIDE 21

It's time to decide what you would sneak into space if you were an astronaut! Spend the next 3 minutes deciding what you would bring with you and run and grab it from your house...wait let's make this more exciting-choose an item that starts with the first letter of your name! In 3 minutes we will share all of your items. *(When Scouts return, turn off screen share and click on the three dots next to each of their webcams and click "spotlight video" this will make their video full-screen. Look at each Scouts item and say what it is. Make sure to cancel the "spotlight video" when you are done so the video reverts to the speaker.)* Great job Scouts, that was so fun...what interesting objects you chose to take to space! Ok, let's take an experiment break.

SLIDE 22

MOVIE AUTO-PLAYS, AFTER MOVIE: That was so cool, ask an adult if you have any balloons and try those out at home!

SLIDE 23

The other experiment you can do at home is the Skittle Color Morphing Experiment. Skittles are coated in food coloring and sugar. When you pour water over the skittles the colored coating dissolves spreading through the water. The color and sugar dissolve into the water and then diffuse through the water, making it the color of the skittle. When you do this experiment, take note of what happens to the "s" on the skittle, and what happens when you mix or layer colors.

SLIDE DECK SCRIPT

SLIDE 24

Next up and last on our agenda...let's prep for our Planet Hike! There are a few things that we should remember as Scouts while we are taking a hike. Let's go over them together. First of all, what does SAW mean? If you ever get lost while hiking, just remember SAW

S=STAY put! If you move around, it will be harder for people to find you.

A=If you hear your name being called, ANSWER!

W=Blow your WHISTLE. If you try to use your voice to call for help, you will become hoarse and no one will be able to hear you. But they can hear your whistle. Blow every so often.

Let's say it together, repeat after me.

S=STAY PUT

A=ANSWER

W=WHISTLE

Great job everyone!

Another important thing to do while hiking is to use the buddy system.

The buddy system means that you are always with someone else. It could be your parent or a friend. That way you won't be as likely to get lost or end up alone. Now we know how to protect ourselves on a hike, but how do we protect the planet?

SLIDE 25

Leave No Trace is a set of outdoor rules that help us keep our planet safe and healthy. Let's say the Leave No Trace principals together, repeat after me:

1. Know before you go
2. Choose the right path
3. Trash your trash
4. Be careful with fire
5. Respect wildlife
6. Be kind to other visitors

SLIDE DECK SCRIPT

SLIDE 26

There is an outdoor code to help us remember the pledge.

Repeat after me:

- As an american I will do my best to
- Be clean in my outdoor manners
- Be careful with fire
- Be considerate in the outdoors
- Be conservation minded

Great job! Take the knowledge you learned today to go on a planet hike. You can take a mile long hike that simulates how far apart the planets are, you could even do this around your block, in your neighborhood. Before you go on your hike, let's learn a little more about planets.

SLIDE 27

MOVIE AUTO-PLAYS, AFTER MOVIE: Let's put our new planet knowledge to the test in a QUIZ! Type your answers in the chat.

SLIDE 28

Which Planet is Mercury?

SLIDE 29

If you said A you are correct! Mercury is the closest planet to the sun. As such, it circles the sun faster than all the other planets, which is why Romans named it after their swift-footed messenger god.

SLIDE 30

Which planet is Earth?

SLIDE 31

If you said A you are correct! Earth, our home, is the third planet from the sun. It's the only planet known to have an atmosphere containing free oxygen, oceans of water on its surface and, of course, life.

Earth is the fifth largest of the planets in the solar system. It's smaller than the four gas giants — Jupiter, Saturn, Uranus and Neptune — but larger than the three other rocky planets, Mercury, Mars and Venus.

SLIDE DECK SCRIPT

SLIDE 32

Which planet is Mars?

SLIDE 33

If you said B you are correct! Mars is the fourth planet from the sun. Befitting the Red Planet's bloody color, the Romans named it after their god of war. Great job on our quiz everyone!

SLIDE 34

Let's wrap this week's meeting with a constellation art show from our Tigers. Tigers, if you completed your constellation adventure requirement, to design your own constellation, please hold it up to the screen now and we will share it! (once again, stop screen share and spotlight videos to show off their work, compliment their projects!)

SLIDE 35

What an awesome meeting! We can't wait to continue to have these fun meetings with you, thank you to all our Scouts for participating and having fun together. Make sure to look at your Outer Space Cub Scout meeting guide to see the Adventure requirements you finished during the meeting, and the requirements you can finish at home

SLIDE 36

See you next time! (any final announcements)



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