CLOVERBUDS CONNECTION

December - January 2024-2025

NEXT MEETING

Cloverbuds meet on every 3rd Wednesday of the month from 4-6 pm
December 21st
January 18th

4-H HIGHLIGHTS

Please enroll at https://4h.zsuite.org/
You must be active status to participate including your payment of $5 for the year.
Sign up for Remind! TEXT @4-hclover to 81010

GET OUTSIDE AND LOOK UP!

Hello Cloverbud Families,

Thank you for joining us this Summer! Make sure you remember to bring your cloverbud's static project to be judged at the County Fair from 10:00am - 4:00pm on Monday, August 2nd! Projects can be anything from Legos to photography to any other awesome project made this year. During 4-H interview judging, simply bring your project to the 4-H Clover Bud booth, tell our judge about your project, and then it will be on display throughout the fair!

Don't forget to watch the night sky August 11th-12th for the Perseid Meteor Shower! The best time to watch is after the moon sets, around 10:00pm, the perfect excuse to stay up past your bed time! Starting July 1st, the largest radio telescope will begin being built after almost 30 years of planning!

We miss you guys so very much. We are looking forward to seeing you all at Cloverbud Camp! Get ready for so much more fun!! We are so excited to see you all there. Call the Extension Office with any questions! 307.682.7281

NASA FOR KIDS

What is NASA? National Aeronautics and Space Administration. Do you love all about space: the stars, planets, rockets, etc! This site has lots of activities that you can do to at home.
https://www.nasa.gov/kidsclub/index.html

PIPE CLEANER CONSTELLATIONS

Constellations are pictures made up of stars. They were often named after items people were familiar with like animals or mythical people.

Supplies: beads (letters, stars, glow in the dark, plain– your choice), pipe cleaners, scissors, glow in the dark paint (optional)

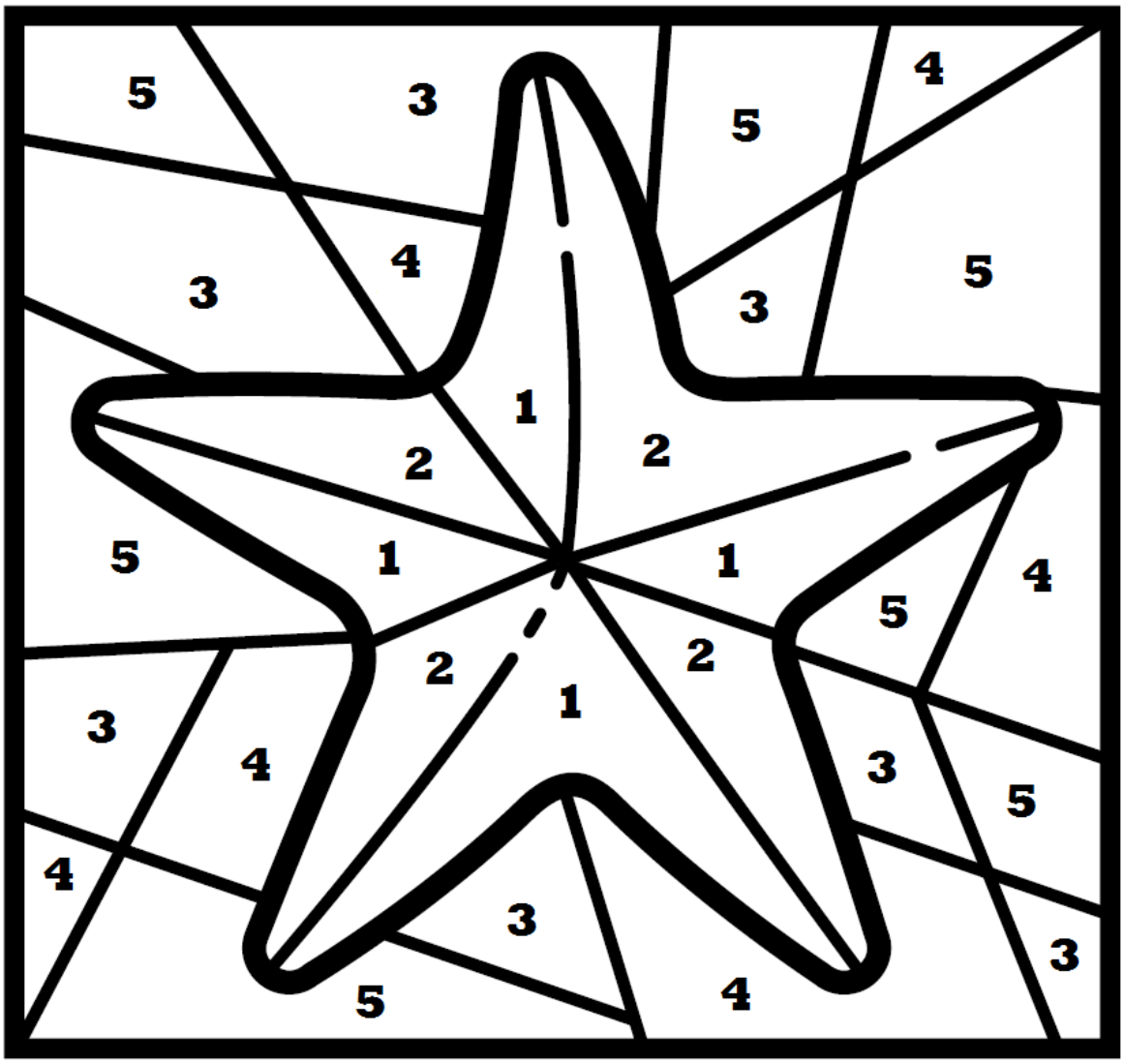
1. Spread beads out on pipe cleaners to build your constellations. 2. Look online for different constellations and manipulate your design. 3. Optional: Paint the beads with glow in the dark paint and turn off the lights. 4. Fold over the end of the pipe cleaner to stop the beads falling off the end and push the bead onto the thicker folded piece.

LET'S MOVE IT!

Get an aired up balloon for each person. Lie on your back and hold your feet in the air. Pretend your feet and hands are rocket launchers and the balloon is the rocket. Now SING!

"Zoom, zoom, zoom,
We're going to the moon.
If you want to take a trip,
Climb aboard my rocket ship.
Zoom, zoom, zoom,
We're going to the moon.
5, 4, 3, 2, 1–BLAST OFF!"

At the words, "Blast Off" push the balloons into the air with hands or feet. Challenge: try to keep everyone's balloon off the ground as long as possible by batting the balloons with your feet! Or try to have your balloons touch the wall or the ceiling.



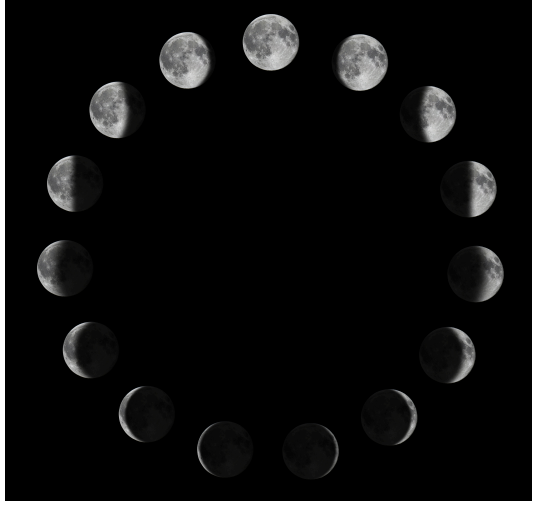
COLOR ME!!!

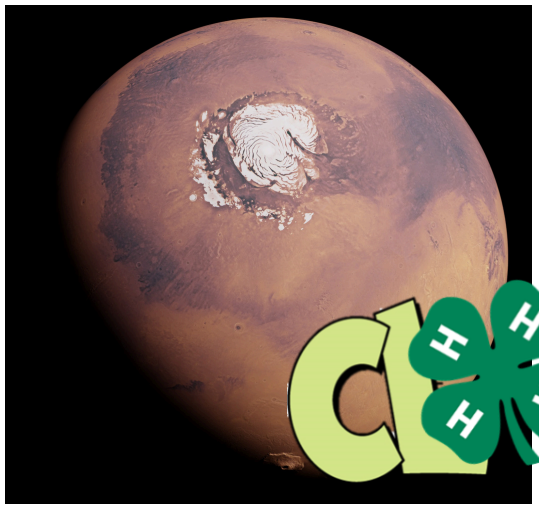
1- Orange
2- Yellow
3- Green
4- Blue
5- Purple

MAKE IT YOURS!

Supplies: Toilet paper rolls, Paint, Stars Cutouts, Glue

1. Paint the toilet paper roll to your liking, let dry. 2. Use stars or cutout new shapes and glue to your telescope. 3. Get outside in the dark and look at the sky!





Wyoming 4-H

CAMPBELL COUNTY EXTENSION
412 S. Gillette Ave
Gillette, WY 82716

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UW | Wyoming 4-H

AEROSPACE

WHAT'S IT ALL ABOUT?

Think about the excitement that accompanies dreams of sending a rocket into space, making a first solo flight, becoming an astronaut or someday visiting other planets. In the aerospace project, you will enjoy learning more about your dreams through hands-on experiences. Members can explore their fascination with flying an airplane, launching a rocket, conquering space and becoming an astronaut or pilot with this project.

HERE'S WHAT YOU CAN LEARN...

STARTING OUT

- Make paper airplanes
- Identify different types of aircraft
- Learn how weather affects flying
- Learn star constellations and their stories

LEARNING MORE

- Make and launch model rockets
- Learn the forces that act on a rocket and experiment with roll, pitch, and yaw
- Build a balloon shuttle
- Use your investigation skills to discover the principles of flight, rocketry, and astronomy
- Design your own experiment and enter your results in science and technology fairs

GOING FURTHER

- Use engineering principles to design your own air and space crafts
- Construct an altitude tracker
- Learn pilot certification requirements
- Learn about airport issues in your county or across Wyoming
- Learn the science behind science fiction

RESOURCES

- *Pre-Flight, Level 1* (06842)
- *Lift Off, Level 2* (06843)
- *Reaching New Heights, Level 3* (06844)
- *Pilot in Command, Level 4* (06845)
- *Aerospace Adventures Helper's Guide* (06846)

TAKE AEROSPACE FURTHER!

- Attend a star-gazing program at a planetarium
- Explore an aerospace career using online resources
- Shadow an airline employee for one day
- Attend an aerospace event or camp
- Visit a local airport and have a pilot and/or mechanic talk about flying
- Look for opportunities to take the ground school portion of a flight training class
- Visit with an aircraft maintenance engineer to learn about aircraft maintenance
- Take a flight with a flight instructor

ENHANCE YOUR COMMUNICATION SKILLS

Do a presentation about life on the International Space Station

Demonstrate what it takes to build a model airplane

Compare paper airplanes, how to make them and how they work

Demonstrate glider flight capabilities

Interview a pilot

GET INVOLVED IN CITIZENSHIP AND SERVICE

Organize a rocket launch

Organize a kite-flying contest

Volunteer at an airport or airshow

Create a model airplane display for a showcase at a public location like an airport, library, museum, nursing home

LEARN ABOUT LEADERSHIP

Teach younger kids to make model rockets

Bring your club to the local airport to learn more about airplanes and pilots

Lead a star-gazing session at an evening workshop or overnight camp

EXHIBIT IDEAS

- Make a poster on parts of an airplane/rocket and their functions
- Create a display on the types of aircraft and what they are used for
- Make a poster about the forces that act on an airplane or a rocket
- Chart the moon and make a display about how the moon affects the earth
- Make a poster about constellations and when you can see them
- Exhibit a model rocket you built from a kit
- Exhibit a model rocket you built from your own design
- Demonstrate how weather affects flying
- Create a display comparing birds and airplanes
- Create a typical pilot's log and explain why it's important
- Demonstrate kite flying aerodynamics
- Research hot air balloons and how they work
- Engineer a model glider and create a display of your engineering process and outcomes
- Build a model airplane from a kit or your own design
- Create a poster with pictures of places you've visited, your first plane ride, programs you've participated in, types of planes, etc.
- Build a model (helicopter, etc.)
- Design, make, and display your own paper airplanes
- Design and build a kite from a kit
- Design and build a kite on your own without using a kit
- Make a model of the cockpit of an airplane. Build and fly a remote control airplane

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