Aa-Zz activity sheets

COMMERCIAL CREW

www.nasa.gov
On Earth and in space, an astronaut needs air, food, and water to survive.
DRAW AN IDEA THAT YOU WOULD LIKE TO BUILD.

build

What type of rocket would you build to help NASA bring people to space?
Commercial **Crew** Program will launch astronauts to space on American rockets.

Instructions:
Add the numbers in the addition problems in the picture above. Then color each part of the picture using the color that matches the sum.
Help provide the right **direction** through the maze so the crew can arrive safely to the International Space Station.
Exercise is important for health and fitness. What types of exercises do you think astronauts do in space?
A push or pull is a **force** that makes things move. Experiment with **force** by building your own straw rocket.

Click on the link below to learn about a fun straw rocket activity:

**Grades K-8:**
[https://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/3_2_1_puff.html](https://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/3_2_1_puff.html)

**Grades 4-8:**

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**Ff**

for force
When you jump in the air, **gravity** is a force that pulls you back down toward Earth.
Hh for habitat

A habitat is a place to live. What would you bring with you?

DRAW WHAT YOUR SPACE HABITAT WOULD LOOK LIKE IF YOU LIVED IN SPACE.

habitat

HhHhHh
Imagine yourself as an astronaut. Draw your own face in the helmet above to show how you look in a spacesuit.
Scientists, engineers, teachers, lawyers, nurses and even artists can get jobs at NASA.
Kk for kids

NASA Kids’ Club is a website for kids to explore and learn more with NASA. Join in on the fun, go to nasa.gov/kidsclub.
NASA does a countdown before launch to make sure the rocket and crew are ready to liftoff into the sky.
The International Space Station has a **measure** of 357 feet long, nearly the full length of an American football field.
Founded in 1958, the National Aeronautics and Space Administration is commonly known as NASA. The blue logo is sometimes called, “the meatball!”
NASA uses many tools to **observe** Earth, our solar system and deep space. 

*Check out “Earth Observatory for Kids” at [https://earthobservatory.nasa.gov/blogs/eokids](https://earthobservatory.nasa.gov/blogs/eokids)*
A parachute canopy is large and made of fabric that can trap lots of air to slow down the speed of a person or spacecraft.

CLICK THE LINK TO TRY YOUR HAND AT A FUN PARACHUTE ACTIVITY:
HTTPS://WWW.JPL.NASA.GOV/EDU/TEACH/ACTIVITY/PARACHUTE-DESIGN/
A scientist is a person who asks **questions** and follows steps to find answers. Name some question words.
NASA uses different rocket types to transport people and supplies to the International Space Station.
The International Space Station is an orbiting habitat where astronauts can live and work. Go to spotthestation.nasa.gov and view the station in your night sky.
The NASA team designs and builds spacecraft, plans missions, launches rockets, and recovers space capsules after they land back on Earth.
Engineers at Boeing and SpaceX imagined and designed unique crew vehicles that can transport astronauts to the International Space Station.
Hey kids, try your hand at the Astro-Not-Yets: Sound on a String Activity:

[Website Link]

Sound is a **vibration** that travels through the air and can be heard when it reaches a person’s or animal’s ear.
NASA monitors the **weather** before every rocket launch. What’s the weather like in your neighborhood? Is it **GO** for launch?
An **X-ray** can be used to examine bones on Earth and in space. Astronauts must maintain a healthy diet and exercise because bones can weaken in space.
NASA needs you! Engineers design and build things to solve problems on Earth and in space. Think of a problem you want to solve and draw yourself as an engineer!
In the event of an emergency, astronauts can use an escape system, that works like a zipline, to quickly exit the launch pad.