

 **ON**
AIR
PlayUP

**INTERNATIONAL
DAY OF HUMAN
SPACE FLIGHT**

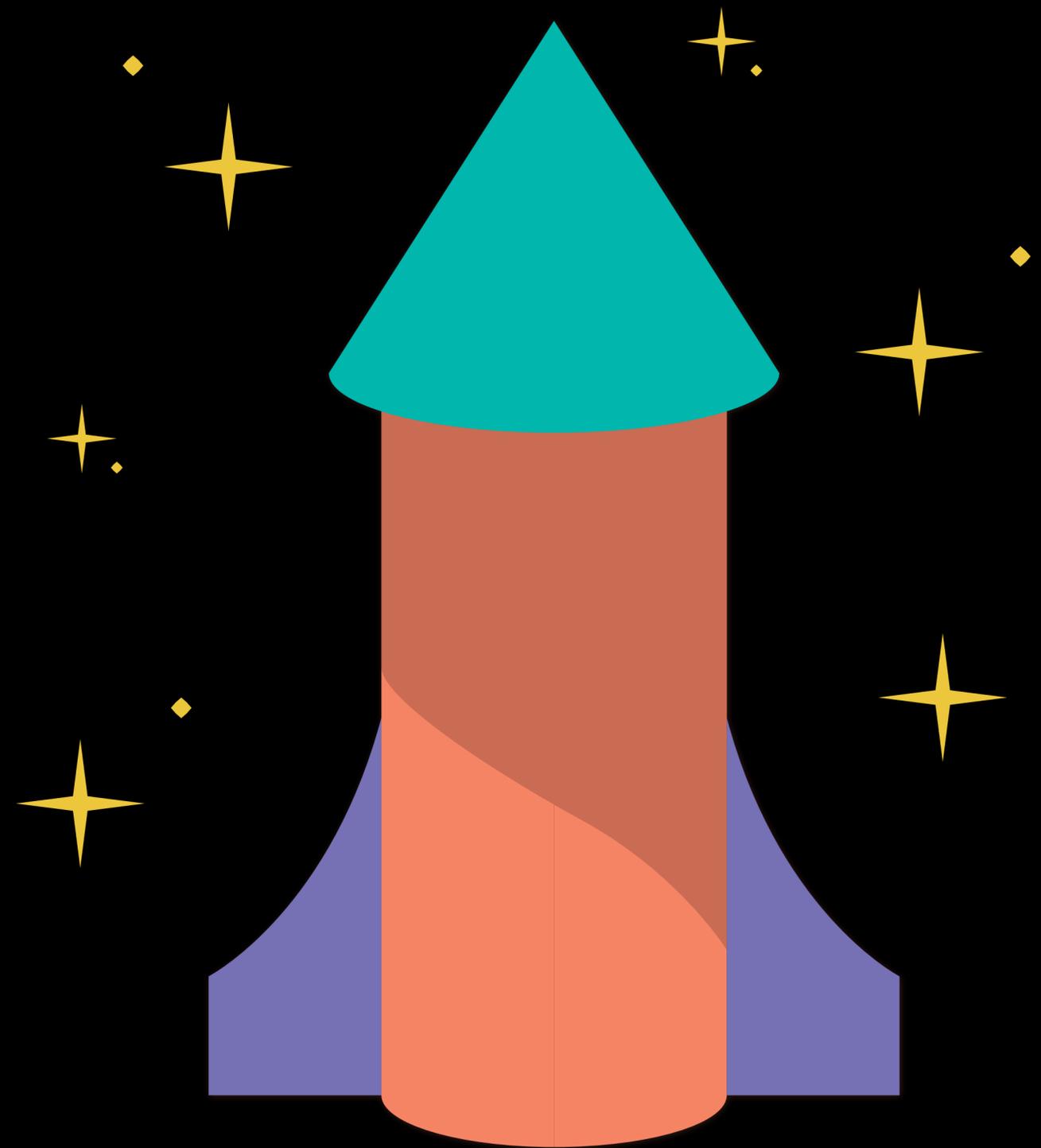


Join the **On Air PlayUP** team
as they share how to make
your very own

ROCKET SHIP

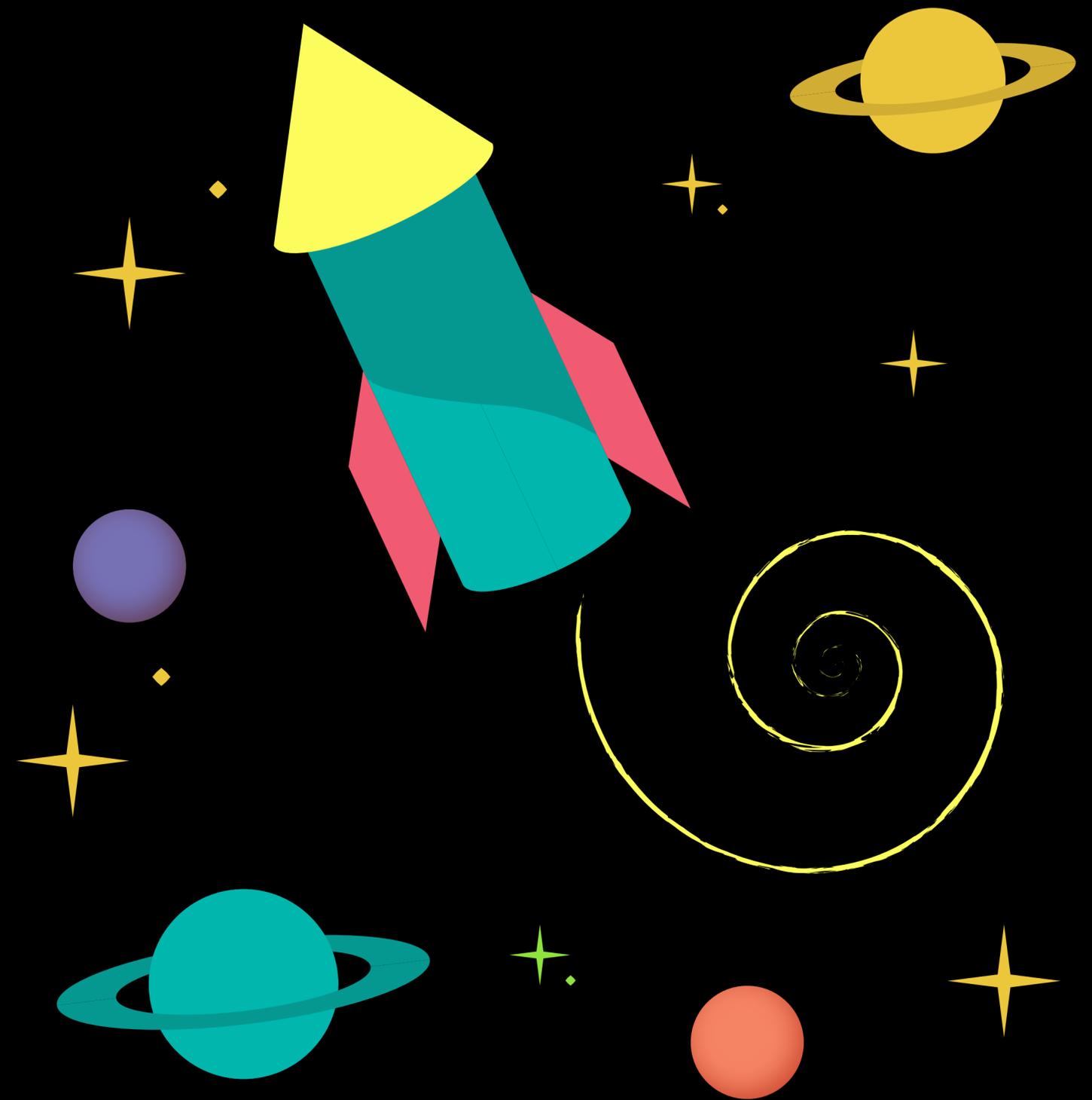
for the

**INTERNATIONAL
DAY OF HUMAN
SPACE FLIGHT!**



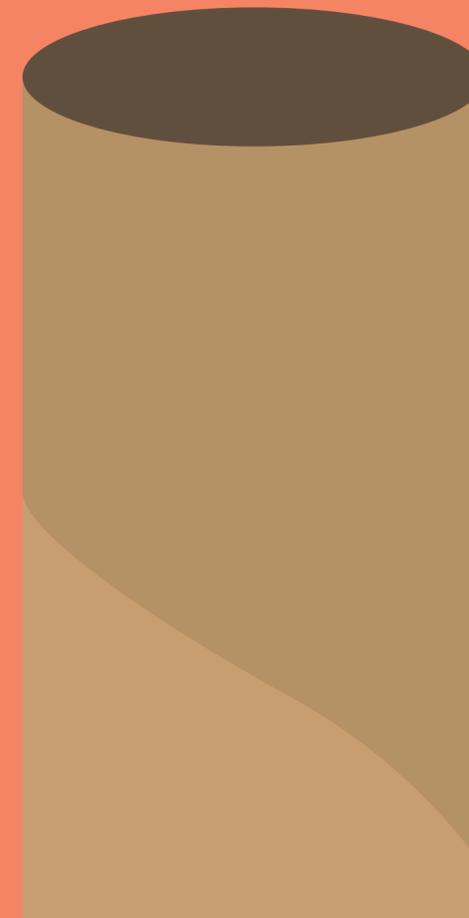
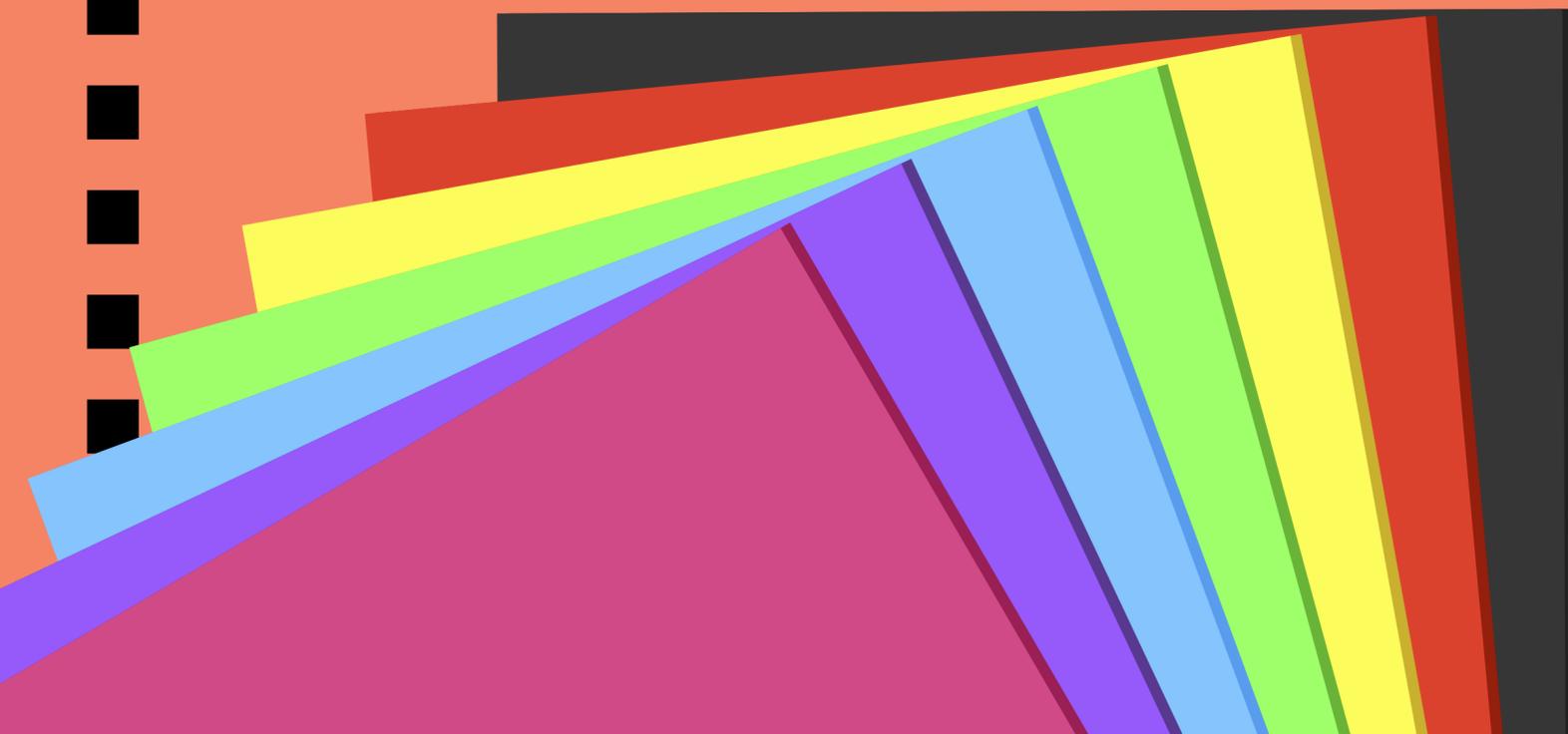
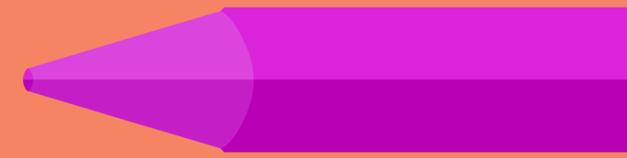
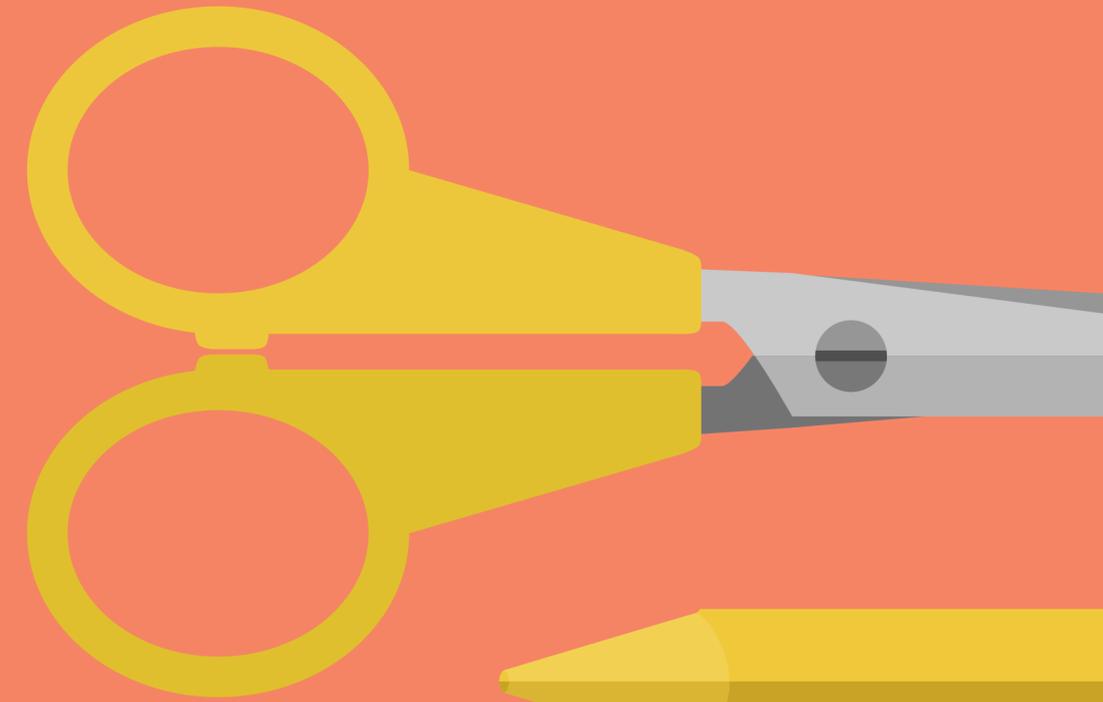
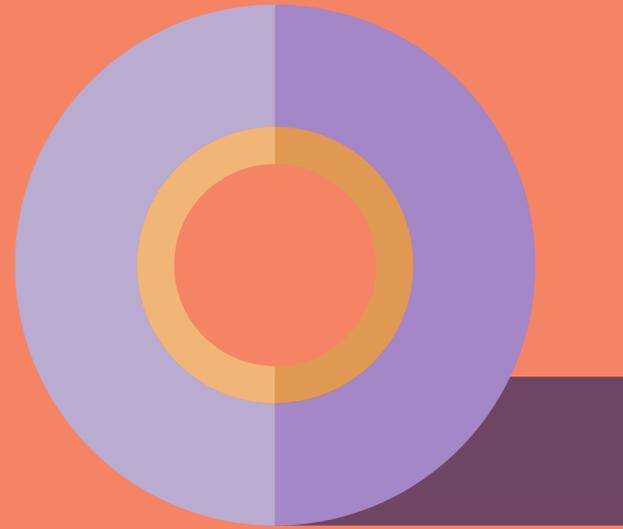
The International Day of Human Space Flight celebrates the start of the space era for humankind and the important contribution of space science and technology in contemporary society.

The purpose of the day is to promote and expand the exploration and use of outer space for peaceful purposes, for the benefit of all peoples around the world.



Materials

- **Paper or cardboard**
- **Cardboard tube** (optional)
- **Scissors** (please be careful with these)
- **Crayons/Pencils/Textas**
- **Glue Stick or Sticky Tape**





Instructions

- 1.** Make your rocket body: use a cardboard roll or stack several tubes on top of one another and sticky tape together for a taller rocket; or, roll a piece of cardboard into a tube and secure with sticky tape.
- 2.** For the rocket's nose cone, draw and cut out a circle on a piece of card or paper. You can trace around a cup or bowl. Draw and cut a straight line from the centre of the circle to the edge. Create a cone shape by overlapping the cut edges, sticky tape it together and tape it to the top of your rocket body.
- 3.** Cut fins for your rocket from cardboard. Different rockets have different amounts of, and different shaped, fins! Design your fins and cut the shapes from cardboard and stick them to your rocket body.
- 4.** Add flames to your rocket using cut or torn strips of crepe paper, tissue paper, cellophane, or coloured paper. Stick strips inside the bottom of your rocket body or bundle them together, secure with tape, and tape this inside the bottom of your rocket body.
- 5.** Now go out of this world decorating your rocket!

Fun at home

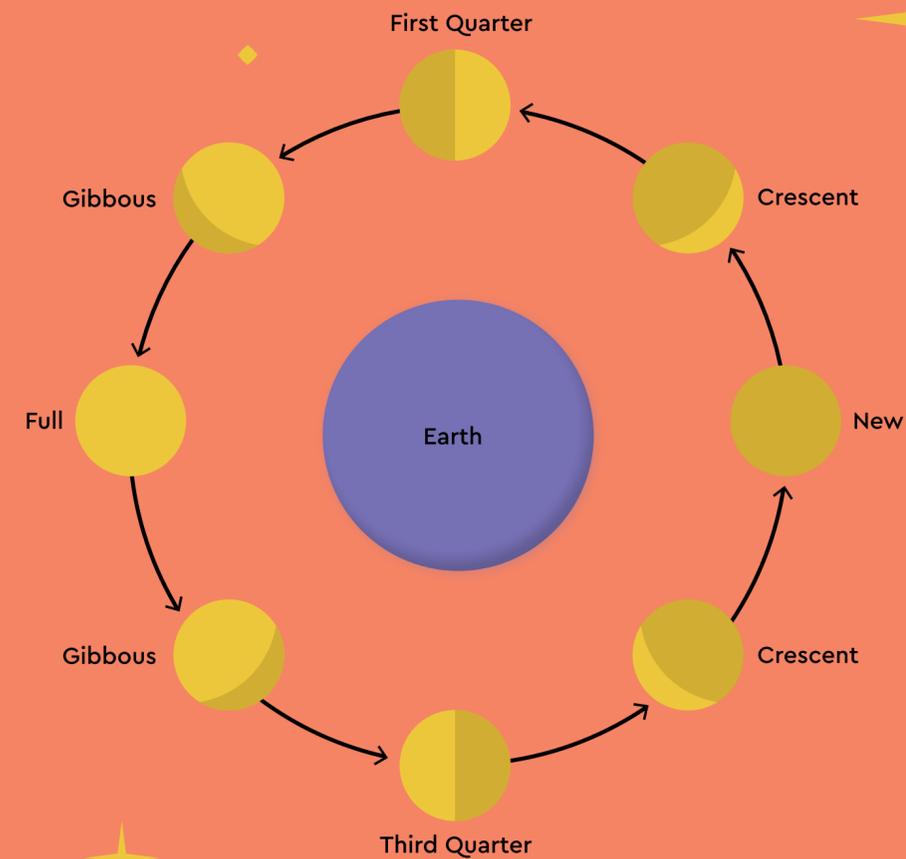
Pretend astronaut play!

Use furniture to build your cockpit and pillows and blankets to create the surface of your destination planet! Pack your bag and put on your space suit and get ready to explore space! Feel the rocket shake as you blast off! Guide your shuttle to a planet and go exploring! What is the surface like? Are there any signs of life? What can you collect to take back to earth for further research? Don't forget to report back to earth and tell Mission Control that you're ok!

Moon Gazing

Did you know that the moon changes everyday? This is called the Lunar Cycle. Why don't you rug up in your space suit and go out to see the Moon.

What stage is it up to in the Lunar Cycle?



More fun at home

Moon Sand

Create your own extra-terrestrial terrain with Moon Sand!

Ingredients

- 8 cups of flour
- 1 cup of oil
- Food colouring (optional)

Method

1. Combine the flour and food colouring (if using) in a large container.

2. Pour the oil into the centre of the flour mixture and mix together with your hands. The flour should resemble sand and stick together when you squeeze it. If your sand does not hold together, add more oil in small amounts until you reach the right consistency.
3. Store in an airtight container



Tips

Half or quarter this recipe to create small batches of moon sand with different colours. Build craters out of Moon Sand for your rocket to have a soft landing.

Memory tricks

Every good astronaut knows their solar system! Try these mnemonics to remember the planets and their distance from the sun:

Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune.

My **V**ery **E**xcellent **M**other **J**ust **S**erved
Us **N**oodles

Mercury's **V**olcanoes **E**rupt **M**andarin
Jam **S**andwiches **U**ntil **N**oon

Now try to make up your own!

Books

There are heaps of great books that celebrate space.

A few of our favourites include:

Title

Authors/Illustrator

*If you decide to
go to the moon*

Faith McNulty
Illustrated:
Steven Kellogg

*A Galaxy of her Own:
Amazing Stories of
Women in Space*

Libby Jackson

Learn More

un.org/en/observances/human-spaceflight-day

unoosa.org/oosa/en/outreach/events/idhsf/index.html

cdscc.nasa.gov/Pages/antennas.html

rsaa.anu.edu.au/observatories/mount-stromlo-observatory/telescopes

solarsystem.nasa.gov/kids/more-kids-stuff/

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[Links to the Early Learning Framework – Belonging, Being and Becoming:](#)

Outcome 4: Children are confident and involved learners

Children develop dispositions for learning such as curiosity, cooperation, confidence, creativity, commitment, enthusiasm, persistence, imagination and reflexivity

Children develop a range of skills and processes such as problem-solving, inquiry, experimentation, hypothesising, researching and investigating

Outcome 5: Children are effective communicators

Children express ideas and make meaning using a range of media

Learn More

[Links to the Australian Curriculum](#)

Critical and Creative Thinking Levels 1-3

Inquiring – identifying, exploring and organising information and ideas – pose questions

Personal and Social Capability Levels 1-3

Social management – work collaboratively



Aligns with the United Nations Sustainable Development Goal 9 (9.5)

Build resilient infrastructure, promote sustainable industrialisation, and foster innovation.



Aligns with the United Nations Sustainable Development Goal 17 (17.6)

Revitalize the global partnership for sustainable development

SUSTAINABLE DEVELOPMENT GOALS

ON AIR PlayUP

**Don't forget to tune
into On Air PlayUP next
Wednesday @ 10:30am
for more fun.**



Old
Parliament
House

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 @MuseumofAustralianDemocracy