

MISSION 1

Journey to Mars

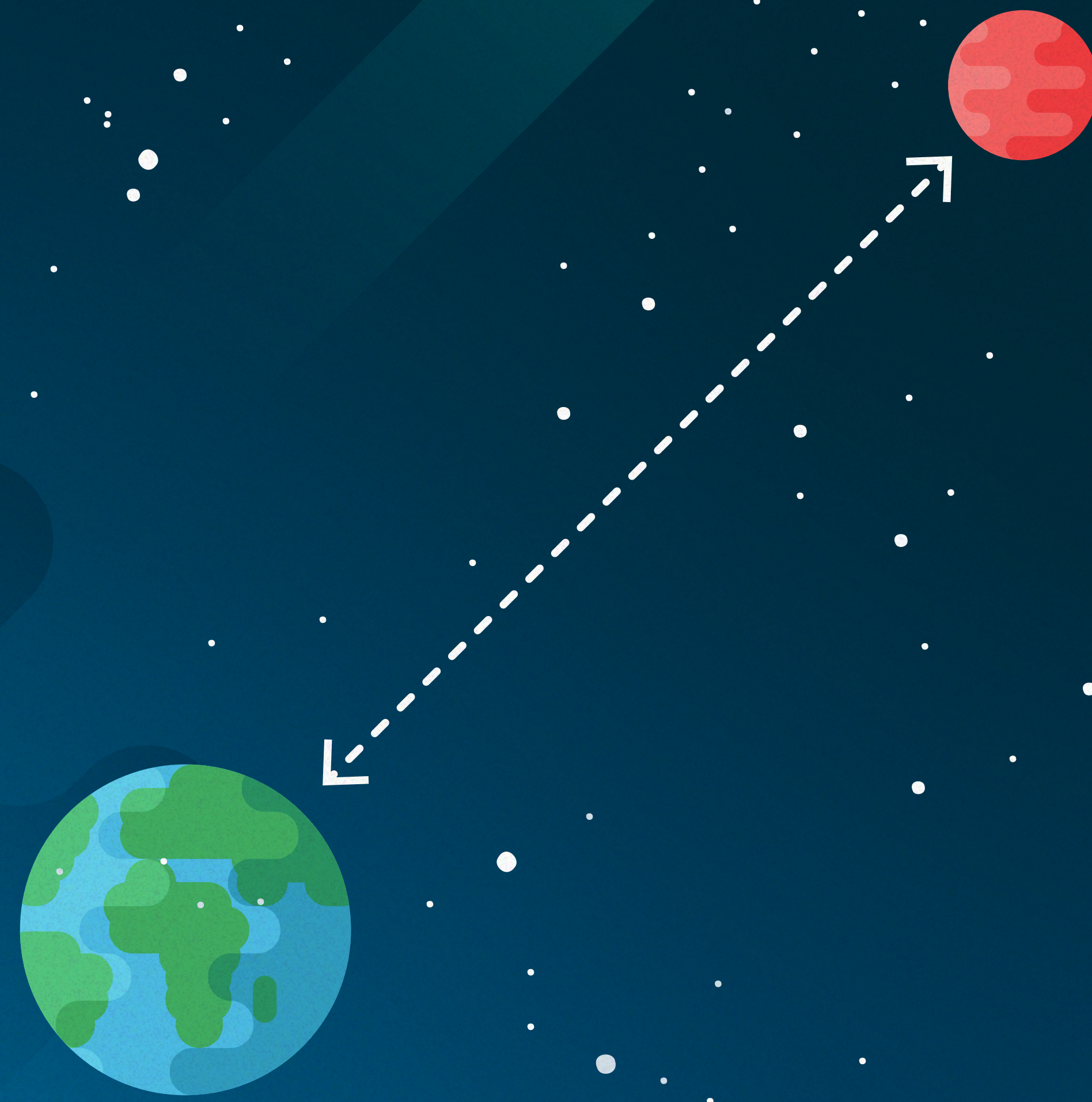
The Great Zlod, the friendly leader of Mars, has come out of his amazing hidden underground city and has invited a small number of people from Earth to visit, including you.

Zlod wants you to **design your own Space Pod** within the Mars bound spacecraft. Money is no object, but you'll be on your own in the pod. Remember that Mars is long way away – it will take many months to get there.

Best of luck!

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Did you know?

The **shortest distance** to Mars is around **35 million miles**, or **56 million kilometres**.



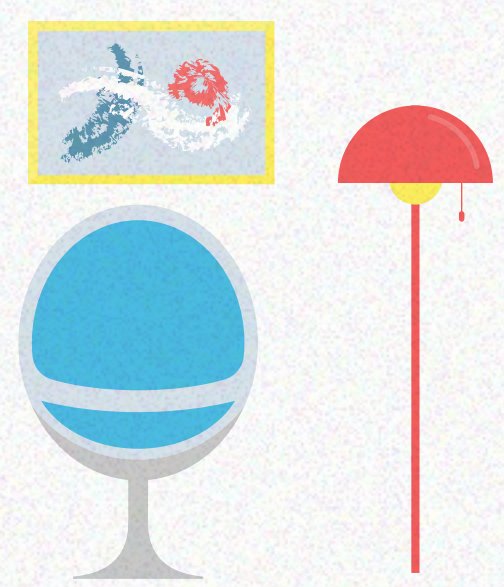
Did you know?

Mars is one of **Earth's 'next-door neighbours'** in the solar system. Our other neighbour is **Venus**, the second planet from the sun, which is **nearer to Earth than Mars**.

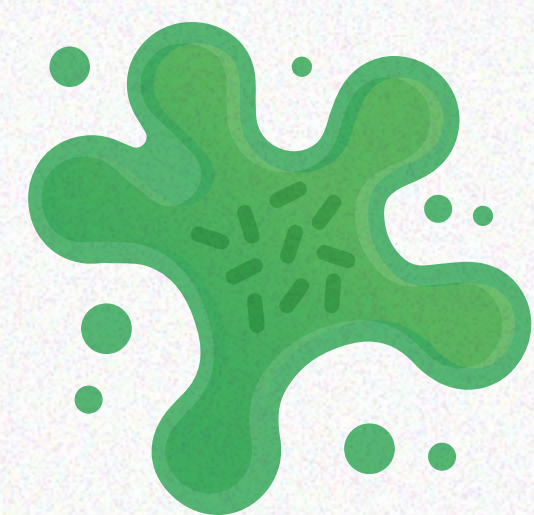
ACTIVITY 1

Design your Space Pod

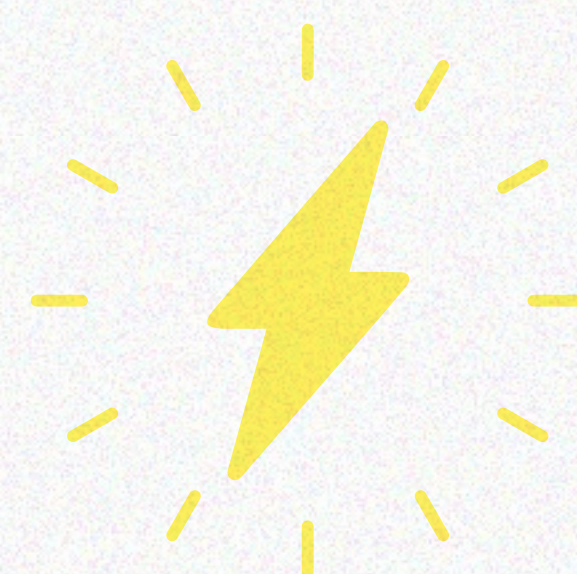
When designing your Space Pod, you'll need to think about:



What the inside of your pod would look like.



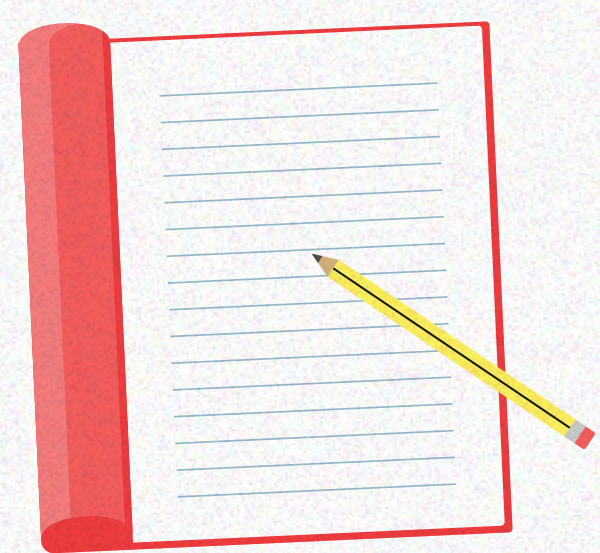
Bacteria on earth being harmful to other life forms.



How the pod would be powered.



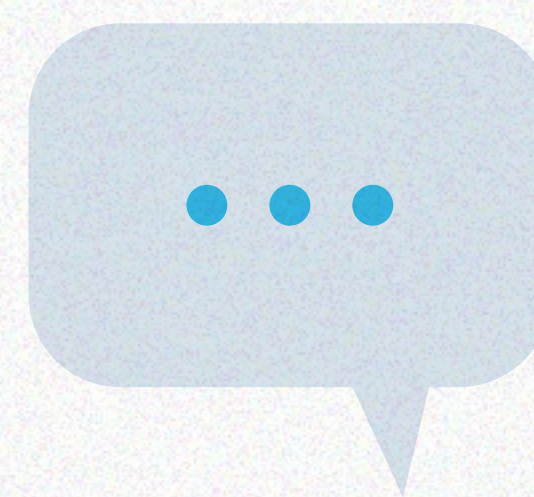
Where you would eat, wash and go to the toilet.



How you could continue to do school work.



How you could exercise/keep yourself entertained.



How you would communicate with your family on earth and others on the ship.

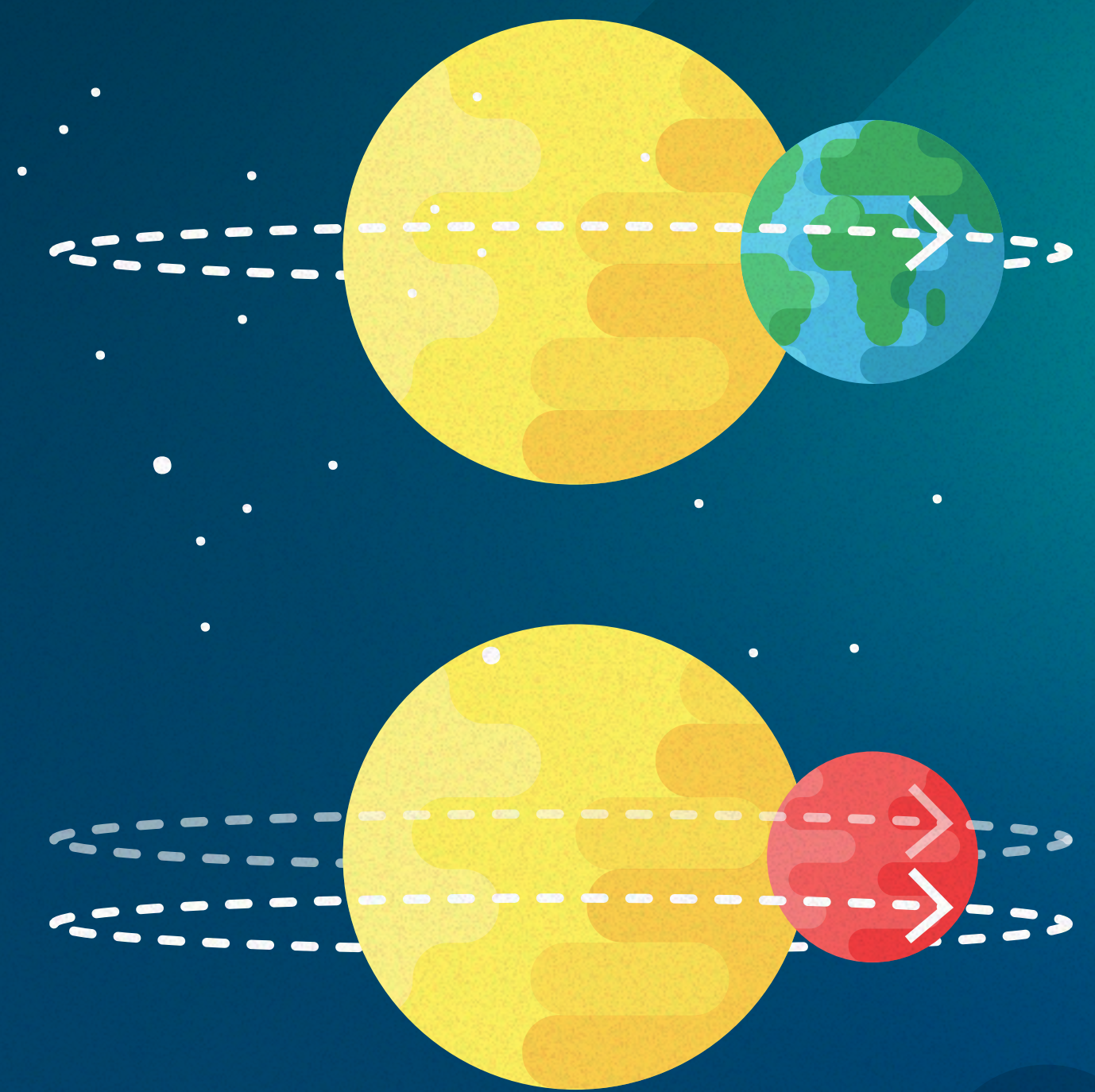


Where you would sleep.

Tip:
Sketch out your Space Pod design ideas on paper!

Did you know?

Mars takes almost **twice as long** to go round the sun, so a Martian year is equal to almost **two Earth years**.



That means **fewer birthdays** in the same amount of time!

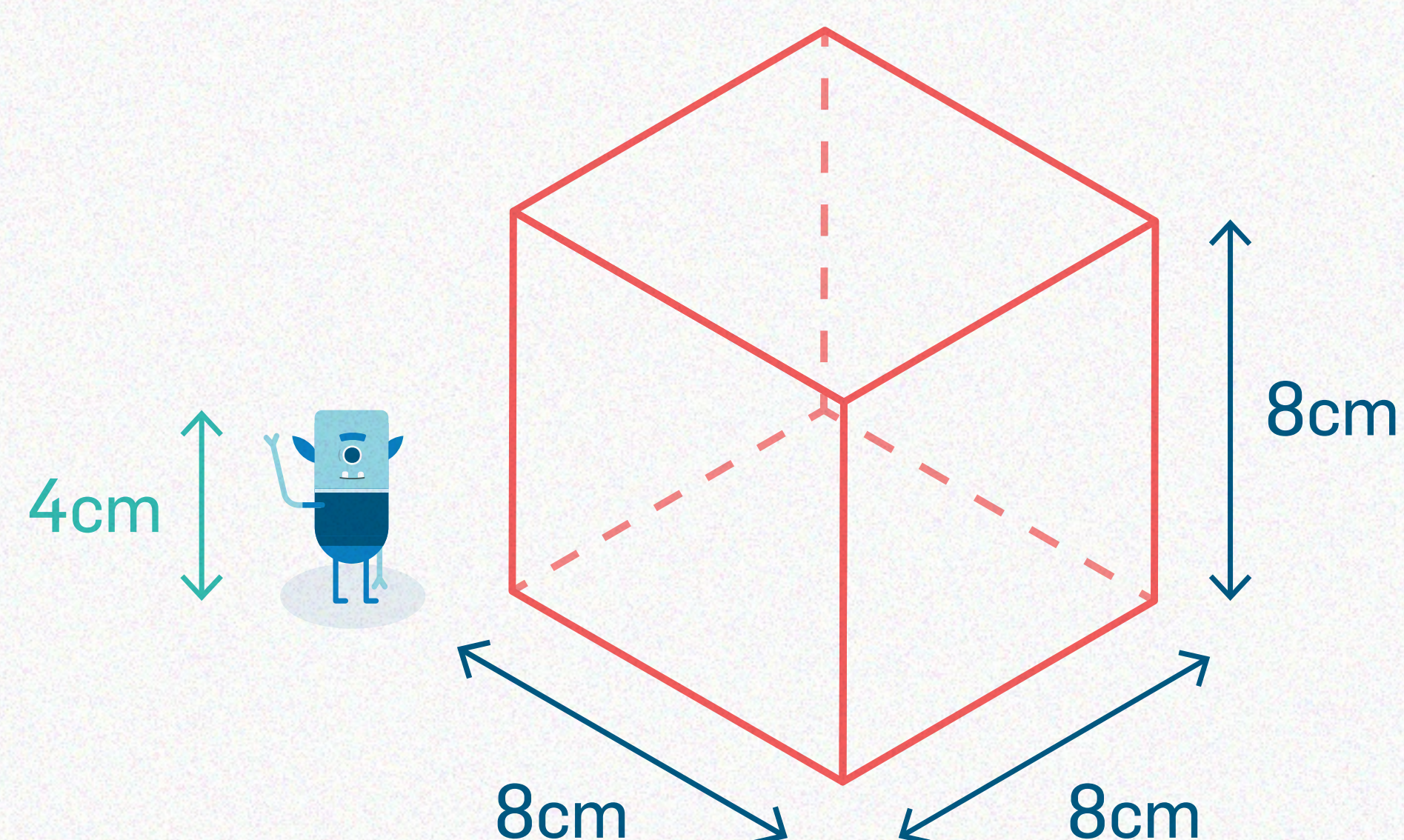
ACTIVITY 2

Build your Space Pod

Now that you have some ideas, you can start to create a model of your Space Pod!

If you are up for the challenge, the dimensions of your model should be an **8cm cube** and designed to be suitable for a **person no more than 4cm high**, or a standard sized Lego figurine.

Be creative! It's important the Space Pod looks good too!



Tip:
Take photos throughout the process of building your Space Pod.

To build your model, you could use:

Household items:

- Cereal boxes
- Tin foil
- Plastic bottles
- Yogurt pots
- Lollipop sticks

Crafting supplies:

- Cardboard
- Coloured paper
- Glue and sticky tape
- Balloons
- Pipe cleaners
- Glitter
- Crayons
- Paint
- Fabric

Did you know?

In 2015, NASA confirmed that it had **discovered liquid water** on Mars...



...raising the likelihood that **life could exist** on the planet!



ACTIVITY 3

Share your Space Pod

We would love to see what you get up to!

Take videos and photos whilst you design and make your model and share your Space Pod on social media.

Tag us using [#insideatkins](#)

Follow us to see what others get up to:

 [@insideatkins](#) & [@atkinsglobal](#)

 [@atkins_global](#)

Keep a hold of your Space Pod, you'll need it for Mission 2!



Here's an example Space Pod design complete with toilet and shower room, video screen, exercise blob and bunk bed.

Did you know?

Mars is home to the **biggest volcano** in the solar system, called **Olympus Mons**. It is almost as tall as **three Mount Everests!**



MISSION 2

Coming soon...

Atkins will be creating a series of fun and engaging activities for children to work on at home.

For further details visit:
atkinglobal.com/stem

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