

COMMISSIONER'S DIGITAL CHALLENGE

A free design thinking challenge for
children in South Australia. Learn more at:
CommissionersDigitalChallenge.net.au

EMPATHY MAP

Use this map to write down
what you notice about
Pamela Melroy's video.

This will help you to
understand and care
about what it might be
like to live in space.

What does
she **say**?

What does
she **think**?



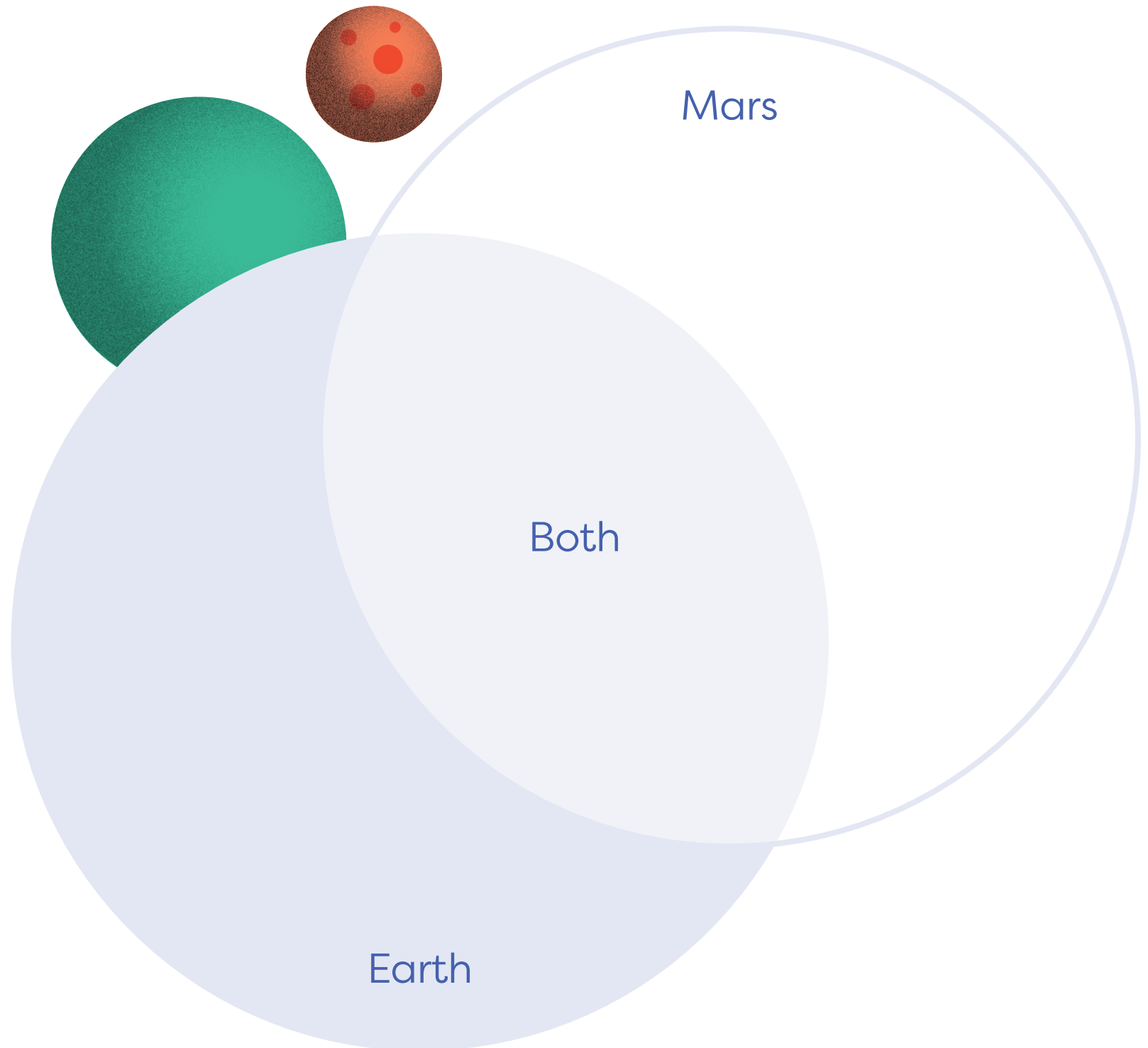
What does
she **do**?

How does
she **feel**?

COMPARE AND CONTRAST

Living on Earth. Living on
Mars. What will be the same?
What will be different?

Use this chart to write
down your ideas.

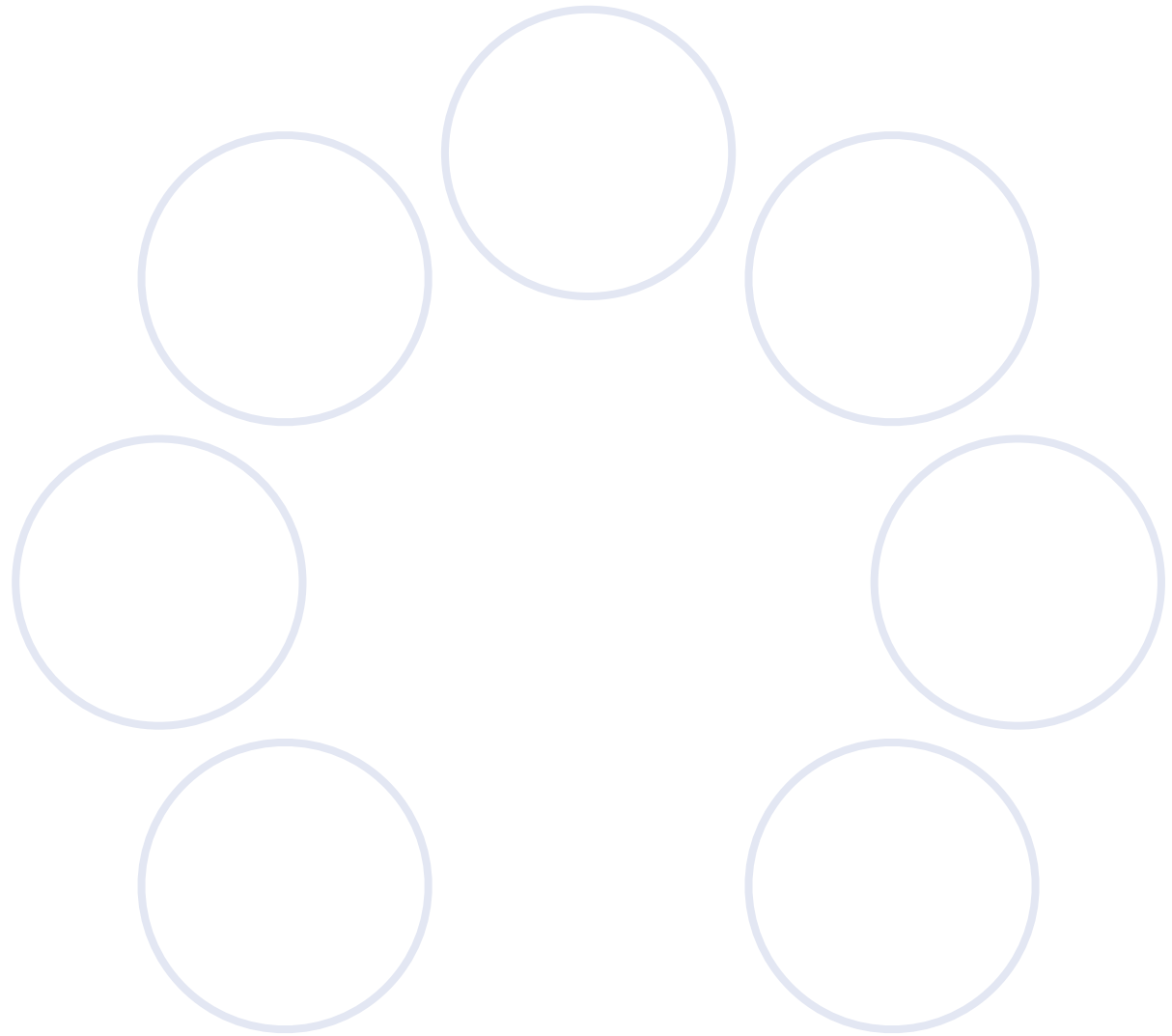


PROBLEM PROFILE

You will be designing a toy or
gadget for a child the same age
as you who is moving to Mars.

This child is a fictional person and
you can use your imagination to
decide what kind of person they are.

Draw your person in the space
between the circles and then
use the circles to describe the
person. What do they like to
do? What are their favourite
sports or hobbies? What kinds
of jobs or chores do they do?



Write your User Need Statement here

..... needs to
because

Write your 'How Might I' question here

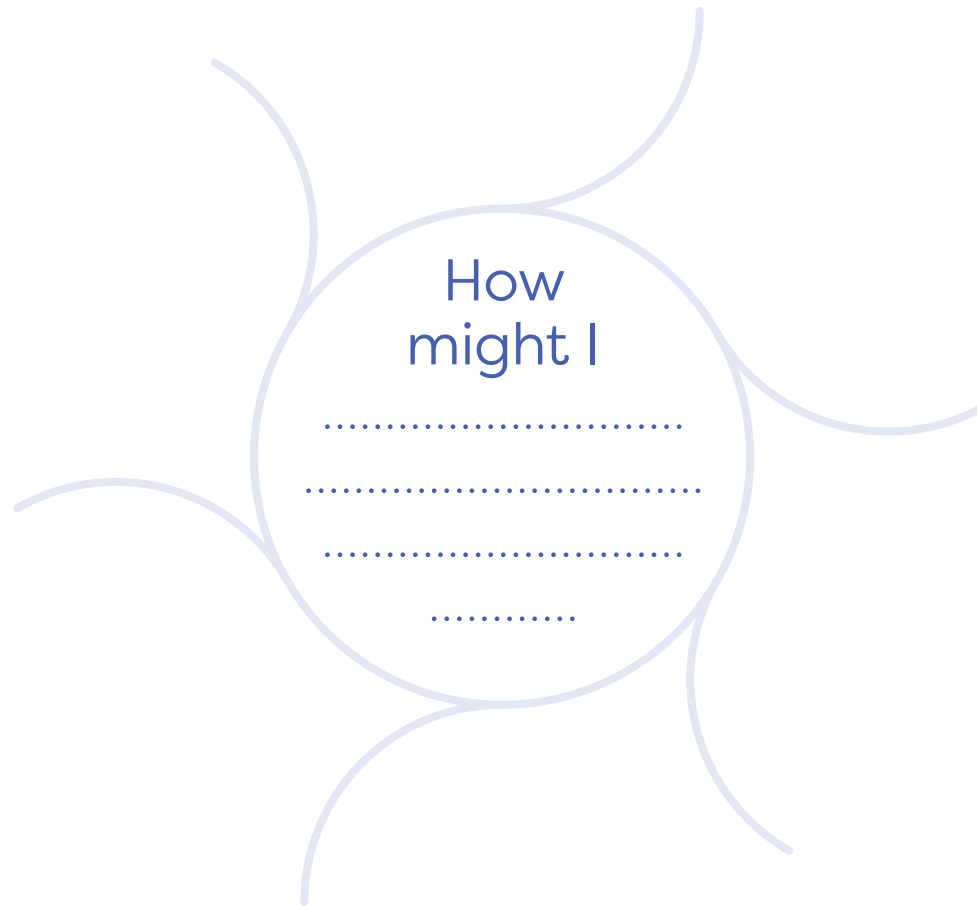
How might I ?

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MIND MAP

Write your 'How Might I'
question in the middle.

Use this mind map to come
up with as many ideas for
your invention as you can.



Option 1 – If you used Makers Empire

If you used the free 3D design tools to create your design please make sure you give your design the title ‘SPACE TO DREAM’ so it shows up in the virtual gallery.

Option 2 – If you would prefer to draw your design on paper

Draw a finished diagram of your invention on this page. Use black pen. Add colour if you like. Labels are good as they explain your design. No special drawing skills required, it’s all about the idea!

This sheet is to be completed by every student taking part. These sheets are to be collected by your teacher, retained by the school and used to assist your school’s Challenge Coordinator when completing your school’s online Challenge Completion Form, due by 24 September 2021. Schools are asked to submit their top 3 designs. The Commissioner will select designs for display at her public exhibition / in her online virtual gallery. The design chosen as the best by the Commissioner wins a 3D printer for their school donated by Makers Empire.

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SCHOOLS

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‘MAKE IT!’ STUDENT
DESIGN RECORD

Name.....

Year Level

Class.....

School

Gender (optional)

Makers Empire username you used to make your design (if applicable)

.....

Describe your design! What’s it called?

.....

.....

What does it do? How does it work?

.....

.....

.....

.....

.....

.....

.....

TWO WISHES AND A STAR

Use this sheet to collect
feedback from 3 other students.

A star is something that is
good about your design.

A wish is something that
could make it even better.

Feedback from...	Feedback from...	Feedback from...
Star	Star	Star
Wish	Wish	Wish
Wish	Wish	Wish