



National
Museum of
Scotland

Space Quest



Calling all Space enthusiasts! We've set a special mission for you – can you complete all our Space challenges? Good luck!

All challenges are on Level 1

>>> Start in **EARTH IN SPACE**

Challenge 1: Rocks and Stars

Many lumps of rock and iron fly around in Space. Sometimes they land on Earth! Find this big rock from Space that fell to Earth in the Ice Age.

What do we call these types of rocks?



Can you see our **star wall**? People have often seen pictures in the stars – these are called **CONSTELLATIONS**.

Join the dots to draw the Canis Major (Greater Dog) and then find it on the star wall.



Shooting stars are actually rocks from Space coming through our atmosphere!

>>> Stay in **EARTH IN SPACE**

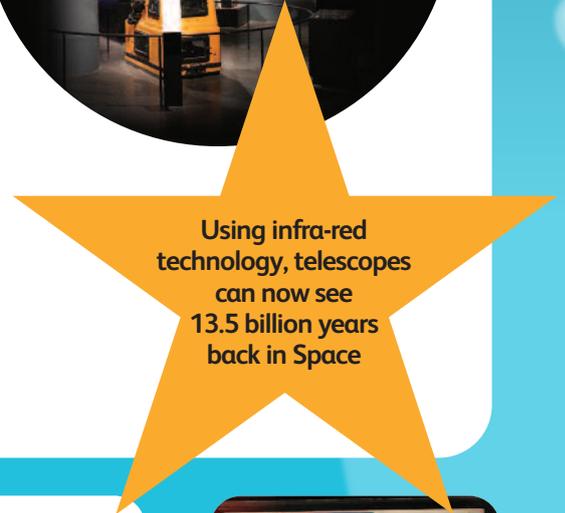
Challenge 2: Looking Closer, Seeing Further

If we want to look really closely at Space, we can use **TELESCOPES!** Find the large blue and yellow Schmidt telescope.

This telescope was used as a

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Telescopes help us to look more closely at Space. Practice looking closely to find these 4 objects in the gallery and draw a line to connect them to the correct fact?



Using infra-red technology, telescopes can now see 13.5 billion years back in Space



This sphere has no joints – it's just one piece of metal!

This object is an Orrery and shows our Solar System

This object was taken into space

This object is blank on one side – when it was made, we didn't know what that side looked like

>>> Now head into our **GRAND GALLERY**



>>> **GRAND GALLERY**

Challenge 3: Up, Up and Away

To explore even more, we can use **ROCKETS** to get humans and equipment up into Space.

There are two model rockets in our Window on the World display. A photo of one is opposite but something is missing. Find it and fill in the missing word.



Fill in the missing word.



In your group, who would make the best Rocket?

Crouch down low...

Countdown 5, 4, 3, 2, 1...

JUMP!

Who jumped the highest?



>>> Now head along to our **EXPLORE** gallery (and look out for the **HUGE** Black Knight rocket while you there)

>>> EXPLORE GALLERY

Challenge 4: Suited and Booted

When they're in Space, astronauts need a Spacesuit. Find the one in our gallery and get your picture taken.

A Spacesuit helps you to do lots of things. It needs to help with breathing because there is no  in Space.

Practice walking like an astronaut in micro-gravity.

How would feel to be weightless?

Can you space-walk all the way around Explore?



This outfit is a model of the one worn by Ed White. He was the first American to do a spacewalk.

Final Challenge: Space Scramble

In your answers, some letters were highlighted in blue. Rearrange these letters to reveal where scientists next hope to send people in Space.



What might we find there? Draw what you think below...



CONGRATULATIONS

You've passed our
Space Quest!

You're a
STAR!