

4 - 10 October  
**Space Week 2022**



# Resources



## Space Careers Panel for YSLs

To celebrate World Space Week 2022, we have an exciting panel of Scottish STEM Ambassadors working in the Space sector. This is an excellent chance for Young STEM Leaders to learn more about the opportunities available in Space in Scotland.

YSLs can join this live stream to hear from each of the panellists about their career, and can interact live to ask questions about their careers, STEM interests and more!



[Register](#)



For age 7+

## ESA Space Case

Investigate properties of materials and decide which would be suitable for use on a spacecraft.

[Find out more](#)



For age 14+

## Quadcopter Design Challenge

Learn how to design, create and modify a quadcopter to fly on Mars. Online resource

[Find out more](#)



For age 7+

## Vex Go

VEX GO is built for teaching STEM fundamentals to students (age 7-11).

GO Education Bundles make STEM manageable for teachers and fun for students. Space related activities include: Astronaut Rescue, Astronaut Vault, Lunar Phases and Mars Rover

[Find out more](#)



For age 7+

## Lego WeDo

Designed for primary school classrooms, the WeDo 2.0 Core Set is a hands-on solution that enhances pupils' curiosity and skills in computing and science.

Space related builds include: Luna Rover and Satellite and activity ideas such as Space Exploration.

[Find out more](#)



For age 7 - 11

## Earth and Space: Space Presenters

Produced by the Hamilton Trust, these resources give details of seven lessons on space. This includes lesson plans, practical activities and all student materials. Students find facts about the Sun, Moon and Earth.

[Find out more](#)



For age 11 - 19

## ESA Resources (secondary)

This collection contains a whole range of resources derived from ESA (European Space Agency) research. Many activities can be carried out as stand-alone lessons or mini projects in a STEM Club setting, as well as longer term student research projects ideal for EPQ purposes.

[Find out more](#)



For age 4 - 19

## ExoMars collection

This collection of resources support learning about STEM subjects using the context of exploring Mars. Using the context of the ExoMars mission, activities link to areas of the curriculum including: science, D&T and computing.

[Find out more](#)



For age 4 - 11

## ESA Resources (primary)

The European Space Agency have provided a range of purposeful and engaging activities to support learners across the Primary stage.

[Find out more](#)



For age 7 - 19

## James Webb Space Telescope (secondary)

This collection of resources has been written for design technology teachers to use primarily as part of the curriculum in lower secondary schools.

The resources also include a guide to the James Webb Space Telescope , written for teachers and STEM Ambassadors.

[Find out more](#)



For age 7 - 11

## James Webb Space Telescope (primary)

This collection of resources are linked to the design challenges that were faced by the teams designing, testing and building the James Webb Space Telescope. They allow older primary children to explore these problems through working scientifically, D & T and mathematics investigations.

[Find out more](#)



For age 5 - 11

## Mission to the Moon

This collection of practical activities, investigations and games is all based on current lunar research. It supports many aspects of working scientifically and links to area of the curriculum including: earth and space, light and shadows, forces, materials, changes of state and rocks and soils.

[Find out more](#)



For age 11 - 16

## The Mathematics of Satellite Design

What do you have to consider when designing satellites? And what mathematics is involved? This collection of resources aims to help students discover the answers to these questions and more.

[Find out more](#)



For age 5 - 11

## Paxi animation

What do you have to consider when designing satellites? And what mathematics is involved? This collection of resources aims to help students discover the answers to these questions and more.

[Find out more](#)





For age 7 - 11

## Space Rocks

This short video and accompanying worksheet explains where asteroids and meteoroids come from, what they are made from and how they may sometimes fall to Earth.

[Find out more](#)



For age 11+

## Space Biology

Space biology looks at life in space from several perspectives: how it began, where it might be, and the effects of space as a rather extreme habitat on humans and other life.

[Find out more](#)



For age 11 - 16

## Space Careers

The UK plays a very active role in space research and industry. This collection contains profiles of scientists and engineers, working in space industry or academia, and includes some of their outreach work with schools and colleges in the UK.

[Find out more](#)



For age 7 - 11

## Space Debris

These inspirational resources introduce primary pupils to the concept of space debris and help raise their awareness of how important it is to clean up space.

[Find out more](#)

