



Resources – World Space Week

Here is a list of some of our resources to loan and links to websites with lots of fun activities and projects. Visit the [World Space Week website](#) for more ideas.



| Challenges | |
|---|---|
| <p>CADSat and CANSat</p>   | <p>CADSat is designed for beginners/younger participants from 11 to 15 years old. Plan a groundbreaking scientific mission and 3D design your very own mini satellite! Deadline: 14 May 2021.</p> <p>The European CanSat Competition is aimed at participants from 14 to 19 years old. If you're up for a bigger challenge, work in a team to imagine, build, test and launch a real mini satellite! This project challenges students to fit all the major subsystems of a satellite inside the volume and shape of a soft drink can, which will be launched by a small rocket up to an altitude of 1 km. As the CanSat descends, its mission begins. Expressions of interest by 10 October 2020.</p> |
| Our resources for loan anytime of year! Email ambassadors@debp.org for more info or to book | |
| <p>Astro Pi</p> | <p>Astro Pi is the name of a small computer developed by the Raspberry Pi Foundation, in collaboration with the UK Space Agency and the European Space Agency (ESA).</p> <p>Age 10-14 (suitable for a community/school code club)</p> |
| <p>How many people are in space right now?</p> | <p>Tells you how many people are in space right now and links to further information about them.</p> |
| <p>Lego</p> | <p>Our normal Lego kits allows participants to explore and help unlock their creative building skills. One of the activities is to design a moon buggy.</p> <p>Age 6+ (max 5 participants per box)</p> |

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Lego Mindstorms Education EV3



Through real-life STEM challenges and engaging physical and digital creation, EV3 encourages participants to develop 21st century skills through coding as they program solutions in a real-world context.

Pupils can explore problems that space researchers are actually trying to solve with the [Space Challenge](#).

Age 10+ (2-6 participants per kit, STEM Clubs only)

Lego WeDo 2.0

WeDo 2.0 basic programming and coding. It makes primary school science and computing come to life through hands-on tasks, real-world projects, and relevant technology that engages participants.

Age 7+ (maximum 5 participants per kit)

Space books

Space reading box containing 16 books.

Age 7-11

Space cases

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

Age 7-11 (maximum 24 participants per box)

Role models

Alyssa Carson

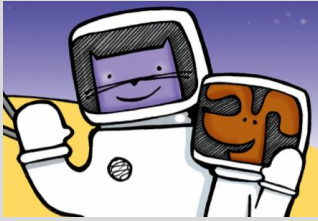
As well as potentially becoming the first human to visit Mars, Carson hopes her journey to space inspires other girls to follow their dreams. [Meet Alyssa](#).

Meet Our STEM Ambassadors

[Meet Our STEM Ambassador Luke Fountain](#) is a PhD researcher –plant and soil interactions at the University of Sheffield and his lifelong career goal is working in the space sector, as a research scientist and one day an astronaut. Find out more about his education/career journey, current role and STEM Ambassador role. And why not try out his challenge to come up with a way to grow plants without using soil.

Websites we'd recommend

Destination Space



Originally launched in 2015, [Destination Space](#), aims to engage, inspire and involve young people with the amazing stories, science and achievements of human and robotic space exploration. It continues to provide a range of activities and resources.

ESA/ESERO

The European Space Education Resource Office have a range of [space related resources](#) including guides on running your own space week.

Institute of Physics

What's it like to be an astronaut? Where did the Moon come from? What's the future of humans in space? Take a look at The Moon Adventure [resources](#).

[Space Experiments](#) to do at home. Celebrating the fifteenth anniversary of the first people to walk on the moon, with Marvin and Milo.

Mission X 2021

[Mission X](#) is an international educational challenge, focusing on fitness and nutrition, that encourages students to train like an astronaut. Sign up now for the launch in January 2021!

NASA Science SpacePlace

Lots of [resources](#) including games, activities and videos.

Space Awareness

The Space Awareness [activities](#) have been selected following the most popular topics for space in the school curriculum.

We regularly share information on our resources and other resources we recommend via our website www.debp.org and via our social media channels. Please follow us.



We hope you find them useful!