

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. This years theme is Women in Space.

Challenges

CANSat



[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.

STEMFest in Space

The [STEMFest in Space](#) virtual event combines classroom and hands-on learning in an exciting, fun-packed talks, showcasing the many wonders of space. It takes place on the 7th October.

Our resources

STEM Ambassador resources

Some of our STEM Ambassadors have submitted some specific resources for World Space Week including:

- [What happens to the human body when we go to space? video](#) by Sam Moore, Anaesthetic Doctor at Lancashire Teaching Hospitals NHS Foundation Trust

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.

Our resources continued

Space Quiz

STEM Ambassadors submitted questions for our [Space themed quiz](#). Have a go!

Our resources for loan anytime of year!

Email ambassadors@debp.org for more info or to book

Astro Pi

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).

Age 10-14 (suitable for a community/school code club)

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)

Rocket launchers

Reach for the stars with our awesome compressed air rockets. Use to run a rocket workshop where pupils design and build simple card and paper rockets and launch them from our specially built compressed air rocket launchers.

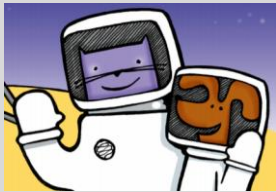
Age 6+

Space books

Space reading box containing 16 books.

Age 7-11

Our resources to loan continued

<p>Space cases</p>	<p>Investigate properties of materials and decide which would be suitable for use on a spacecraft.</p> <p>Age 7-11 (maximum 24 participants per box)</p>
<h3>Role models</h3>	
<p>Alyssa Carson</p>	<p>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.</p>
<h3>Websites we'd recommend</h3>	
<p>Destination Space</p> 	<p>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.</p>
<p>ESA/ESERO</p>	<p>The European Space Education Resource Office have a range of space related resources including guides on running your own space week.</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>Institute of Physics</p>	<p>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.</p>
<p>Space Awareness</p>	<p>The Space Awareness activities have been selected following the most popular topics for space in the school curriculum.</p>

Websites we'd recommend

Mission X

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

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.

STEM Learning World Space Week collection

World Space Week is a very popular STEM awareness event and there are a large number of [resources](#) available for all age groups. This collection highlights some of the best and more topical resources to provide inspiration for lesson or STEM Club activities.

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!