“Space and Sustainability”
World Space Week Word-search

In 1999, World Space Week was set up by the United Nations as a world-wide celebration of the exploration of space. It runs every year from October 4 - the anniversary of the launching of Sputnik 1 in 1957 - to October 10 - the anniversary of the date the Outer Space Treaty came into force in 1967.

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Here is a fun way of celebrating World Space Week 2022 - “Space and Sustainability”.

This theme is dedicated to raising awareness about the importance and interconnectedness of space and sustainability.

It has been shown that Sustainable Development Goals on Earth are positively impacted by the benefits stemming from Earth Observation and Global Navigation System applications. Whilst at the same time, Earth’s orbital environment is a limited resource that also needs to be protected.

By ensuring the long-term sustainability of outer space activities, we are guaranteeing humanity’s increasing presence in space as well as contributing to our socio-economic betterment, improving life on Earth, and ensuring the habitable future of our home planet.

Because only through sustainable development will Earth, and space, remain safely accessible to future generations.

The words in the grid that are in **bold type** in the text below can be found reading across, up and down, or diagonally.
Once you have found all the words, the letters that are left over will spell out a message!

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The Space Age began with the **launch** of Sputnik 1 by the USSR in 1957. They then launched **Yuri** Gagarin on the first manned spaceflight in **Vostok** 1 in April 1961, before America launched its first astronaut in Project **Mercury**. In May 1961, President **Kennedy** set the challenge of landing men on the **Moon**, and the **Gemini** flights then tested activities in **Low Earth** Orbit that would be used by **crews** of the **Apollo** missions that were launched by the **Saturn-V.** When its engines **ignited**, its **boost** was the greatest of any **rocket** at that time.

Their **trajectory** to the Moon took them away from our **planet**, through the **van Allen** belts to a landing **down** on the Moon’s surface. They then used **Lunar** Orbit **Rendezvous** before returning to Earth for re-**entry** through the **atmosphere**. This was an extremely **technical** challenge.

In 1975, an Apollo docked in orbit with a Russian **Soyuz** in their first joint mission.

Then America developed the Space **Shuttle**, with an **Orbiter** that could **return** from space and **fly** again. This was used to assemble and support the **international** Space Station (**ISS**), where a lot of **medical** research is done..

Now America has developed the Space Launch **System**, which will send the **Orion** craft on the **Artemis** missions. They will also launch from the Kennedy Space **Center**, but unlike Apollo, they will also have **solar panel technology** to provide onboard power.

Meanwhile we have also launched lots of **uncrewed satellite** missions. They have many roles, including monitoring **weather** on Earth and our **climate**, **environment, pollution** and **ecology**. This is often done from **geosynchronous** orbit, giving the same lighting conditions each day. We also have **communication** satellites in **geostationary** orbit, and others that offer **GPS**.

There are many other **benefits** from space research, including those that help maintain our **green** Earth. Search for **NASA**’s **spinoff** brochures for more information.

Today it isn’t just astronauts who can be one of the **voyagers** in a space **ship** - anyone with the money can be a space **tourist**, as **commercial** flights are also operated.

Maybe one day you will make a journey of **exploration**.

Visit www.bis-space.com/wsw

World Space Week Word-search for the British Interplanetary Society

Once you have found all the words in the grid that are in **bold type** in the text, the letters that are left over will spell out a message. Write it in the space below. When you have found it, send it to the BIS at worldspaceweek@bis-space.com

There are no prizes - This is just for fun*!*

C	O	M	M	E	R	C	I	A	L	E	X	P	L	V	O	S	T	O	K
R	E	T	U	R	N	A	T	M	O	S	P	H	E	R	E	T	N	E	C
E	Y	R	U	C	R	E	M	O	R	I	A	L	L	E	N	N	N	S	B
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S	D	J	G	F	L	Y	L	A	C	I	D	E	M	E	E	L	O	L	E
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R	G	R	N	E	N	N	A	V	V	N	R	U	T	A	S	A	Y	O	N
N	I	Y	U	R	I	E	N	S	O	Y	U	Z	S	M	T	T	G	L	U
A	N	S	A	R	T	E	M	I	S	F	I	T	S	E	O	E	O	L	S
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T	G	B	Y	S	U	O	V	Z	E	D	N	E	R	E	T	I	B	R	O

This wordsearch was developed for the British Interplanetary Society by Jerry Stone, Freelance Space Presenter at Spaceflight UK

British Interplanetary Society

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