

### Where and when:

**Date:** Monday, 4 October 2021

**Time:** 11:00am

**Duration:** 30 minutes

**Location:** [bbc.co.uk/livelessons](https://bbc.co.uk/livelessons)



*This programme is available to view from home or school, and no sign-up is required.*

*Simply visit the website on the day and follow the instructions on the page to watch.*

**Curriculum links:** Science (Physics, Science and Technology) for 7-11 year olds.

- Exploring the movement of the Earth and other planets relative to the sun in the solar system.
- Describing the movement of the moon relative to the Earth.
- Learning that the sun is a star at the centre of our solar system and identifying its eight planets.

### Setup:

This Live Lesson which will be broadcast live on the CBBC channel and simultaneously on the BBC Teach website at 11:00am.

We will be running a live commentary page on BBC Teach during the live broadcast to reflect contributions from children watching from home and school.

### How much space and equipment is needed?

The lesson can be viewed in a classroom or at home with a device (computer, tablet or mobile phone) linked to a reliable broadband connection, or watched on a television on the CBBC channel.

As we'll be asking children to get involved in activities throughout the lesson, it would be beneficial if children had the accompanying activity sheet to hand to guide them through the activities, as well as stationery such as pens and pencils.

## **Lesson content:**

This programme covers learning objectives across:

- Key Stage 2 Science (Earth and Space) curriculum for England;
- Science & Technology for Key Stage 2 on the National Curriculum for Wales
- 2<sup>nd</sup> Level Sciences and Topical Sciences on Scotland's Curriculum for Excellence and;
- Key Stage 2 The World around us (Place, Movement and Energy) on the Northern Ireland Curriculum.

### **Section 1: Learning about the moon and identifying planets**

In this section of the programme, the presenters will explain some facts about the moon such as what it is made of, how it orbits the Earth and how it is important in our daily lives.

Children will then be encouraged to take part in an activity where they will be asked to identify the eight planets of the solar system and guess if any of them have a moon.

Teachers can download the worksheet from the [Space Live Lesson programme page](#).

### **Section 2: World Space Week**

Answers will be given to see if children correctly identified the eight planets. They will then watch a short video about World Space Week, which celebrates women who work in space. The video will explain how we use man made satellites in everyday life such as telecommunications and traffic lights.

### **Section 3: Comet experiment**

In this section of the programme, children will learn more about the moon. The presenters will then conduct an experiment to make their own comet. Teachers and children will be reminded not to do this at home as there will be a trained scientist conducting the experiment.

After the comet is made, children will be asked to think about other man made or natural things in space. They can write their answers on the worksheet.

### **Section 4: Mars Rover and moon buggy**

The presenters will showcase images sent in by viewers about space. Children will then learn about the Mars Rover machine. They will then be asked to design their own moon buggy! It can be drawn on the worksheet.

### **Section 5: Questions with Brian Cox**

The world famous physicist answers viewer questions about space and the moon.

## Contact us:

If your child or pupils are planning on watching the Live Lesson in school or at home, let us know. Email us with your school name or names of your children to [live.lessons@bbc.co.uk](mailto:live.lessons@bbc.co.uk), or get in touch using the hashtag **#bbclivelessons** and they could be featured on our live commentary page.

*If you are sending in any images or videos that feature children, please ensure that you have parental or guardian permission, as they may be shown on our website. Please be aware that the BBC may ask you to demonstrate that you have received verifiable parental consent. In the email, please confirm your official relationship to the child/children featured, e.g. teacher, Brownie group leader, sports coach etc. and confirm that you have sought prior parental consent. Please also ensure the material is not sensitive or controversial. Read our terms and conditions at [bbc.co.uk/usingthebbc](http://bbc.co.uk/usingthebbc) for more information.*