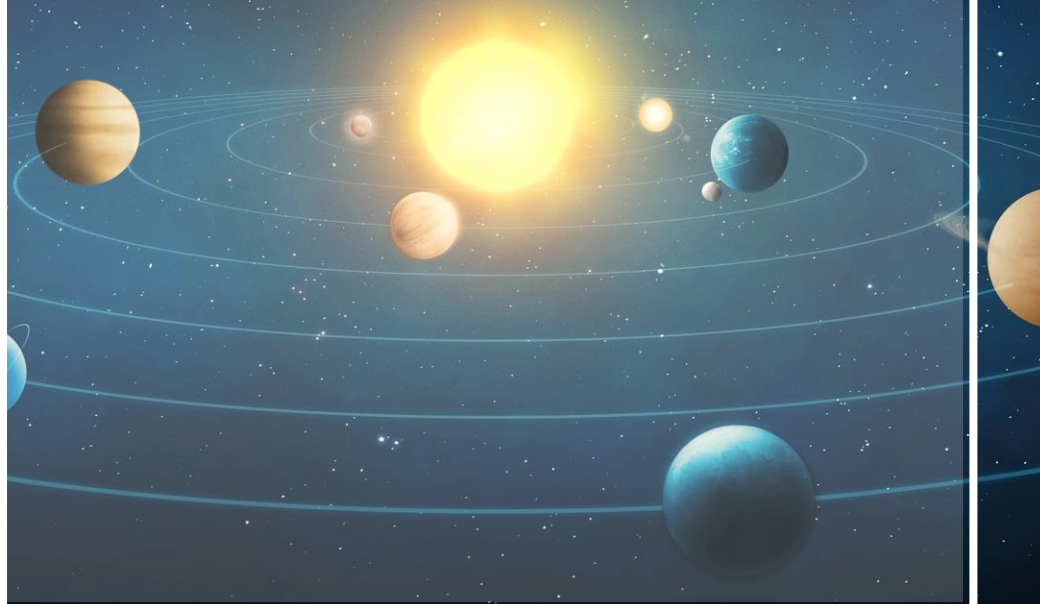


HOME LEARNING ROUTE



Build a solar system

Key Stage 2 • Science

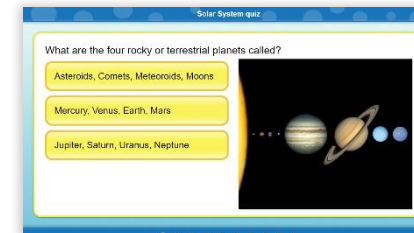
Learn about the planets in our Solar System and make your own model to scale.

[Load the lesson »](#) [See more »](#)

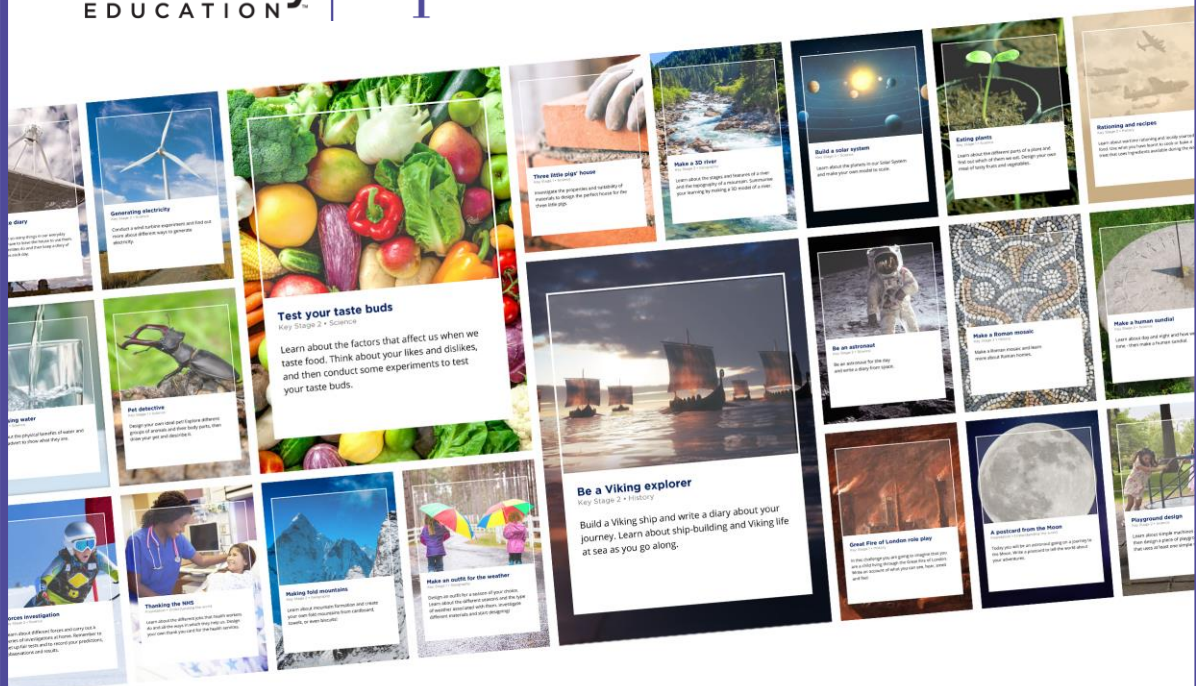
To view these resources, you will need a Discovery Education Espresso subscription.

Preview of pupil steps:

1. You're going to build a solar system! Our solar system! But what is a solar system? Where have you heard the word 'solar' before? Click step 2 to find out.
2. Watch this video about our home - Earth. Why might planets be warmer or colder than others in our solar system? What is our star called? Are there other planetary systems out there? How do we know?
3. Find out more information about the planets in our solar system. Are the planets in a particular order on this page? Why might days and years last different amounts of time on different planets?
4. Watch this video about our solar system. What are the similarities and differences between the planets? How would they look different? How does their distance from the Sun change what they might be like?
5. Did you work out what 'solar' meant? Check below if not. While you're here, were there any other words you were unsure of?
6. Test your knowledge of the planets in our solar system!
7. Look at these images of the planets in our solar system. 'To scale' means that their size, compared to each other, is the same in the pictures as it is in real life. For example, Uranus is 4 times bigger than Earth in real life, so its picture is 4 times bigger than the picture of Earth. Is there anything that surprises you about these pictures?
8. Time to build your solar system! Remember what 'to scale' means? Go back to 5 to check if not. After drawing the graph, build your model solar system. You could use: paper, beads, string, card or anything else that will help show the scale of the planets in our solar system!



What are home learning routes? Help children learn from home with these ready-made routes through Discovery Education Espresso content. The routes include video, text and glossaries for learning, as well as art, design and creative writing challenges for children to apply and demonstrate what they know.



Home learning routes

Help children learn from home with our ready-made routes through Discovery Education Espresso content. The routes include video, text and glossaries for learning, as well as art, design and creative writing challenges for children to apply and demonstrate what they know.

How to load a lesson:

1. Go to discoveryeducation.co.uk/homelearning
2. Enter your school's Discovery Education Espresso home access details.
3. Find and click the lesson you wish to load.
4. Follow the instructions/questions within the yellow band (above the resource). *You can click the left or right arrows to move the text along.*
5. Once you've finished step one, move onto step two. *Continue through the steps until all are complete.*
6. Important: Now you have completed the lesson, click the "Exit" button (top-right) to return to the full Espresso service.

* Discovery Education Espresso subscription required