



British Science Week: Innovating for the Future

What Is Science?

Science is the study of the world around us with the aim of learning about how things work.

During science lessons, many children get the chance to explore and investigate. Science can be found all around us and has inspired people to create wonderful inventions and discover new plants and animals. Without science, we would not have access to cars, computers, effective medicines and so much more.



The Classroom of the Future

Lots of innovations come from somebody asking a question, such as 'How can I improve this?'. Take a look around your classroom. Pick something that you see every day.

How would you improve it or how it could be improved for the classroom of the future?

What examples of innovation can you think of?

What Is British Science Week?

British Science Week is an event which happens once every year. Although it has the word 'week' in its name, the event actually lasts for ten days. British Science Week celebrates science, technology, engineering and maths.

The theme for British Science Week this year is 'Innovating for the Future'. This theme was chosen because innovation is a part of people, animals, nature and everything else in our everyday lives.

Innovation means to make changes to something. This could be by introducing new ways of doing something, coming up with new ideas or by making new products.

Page 1 of 1

British Science Week: Innovating for the Future

Become an Inventor

If you fancy becoming an inventor, why not try experimenting by making your own colour of paint? Follow the instructions below to make your own paint.

You will need:

- some materials;
- a strong bowl or hard surface;
- something to crush your ingredients with, for example a round pebble;
- a dust mask;
- a shallow bowl.



1 To make your new paint, you will need to find some materials, such as soil, plants or clay.

2 Make sure that you have permission to use any materials before taking them and only take things from outside which have already fallen to the ground.

3 Choose one material and put it into your strong bowl or on a hard surface. While wearing your dust mask, crush the material. Stop when you have made a paste or a powder.

4 Scrape the paste or powder into your shallow bowl. Add water to the bowl so that the mixture is completely covered. Stir the mixture and leave it in direct sunlight.

5 When all of the water has evaporated, you will be left with paint powder. Add a tiny drop of water to the powder and try using it as paint on a piece of paper. Repeat with different materials to see what different colours you can create.

Page 1 of 1

British Science Week: Innovating for the Future

Questions

1. How often does British Science Week happen? Tick one.

☐ once a week
☐ once a month
☐ once a year
☐ once every two years

2. What does **innovation** mean? Tick one.

☐ keeping everything the same
☐ enjoying science
☐ to make changes to something
☐ exploring experiments

3. Look at the section **Become an Inventor**. Number the instructions from 1-4 to show the order that they should happen in.

☐ Stop when you have made a paste or a powder.
☐ Stir the mixture and leave it in direct sunlight.
☐ Find some materials, such as soil, plants or clay.
☐ Add water to the bowl so that the mixture is completely covered.

4. Draw **four** lines and complete each sentence.

Lots of innovations...	the world around us.
The theme for this year's British Science Week is...	all around us.
Science is the study of...	come from somebody asking a question.
Science can be found...	'Innovating for the Future'.

Page 1 of 1

British Science Week: Innovating for the Future

5. Look at the paragraph called **What Is Science?** Find and copy one word which shows that the medicines work.

6. Name **two** different items that you will need to make your own colour of paint.

• _____

• _____

7. Look at the section **Become an Inventor**. Explain why you think the author has described the type of bowl you will need as **strong**.

8. Summarise what you have learnt about British Science Week using 25 words or fewer:

Page 1 of 1