

British Science Week

Design a Tunnel Activity

25 years ago, the Channel Tunnel was built. This is a tunnel that carries cars and trains under the sea from England to France.

You are going to design a tunnel that could carry toy cars under water. You don't need to use all the equipment below, and you can use things that aren't on the list.

What you will need:

- a toy car
- cardboard
- kitchen roll tubes
- bubble wrap
- shopping bags
- building bricks



Instructions:

1. Design your tunnel and choose the equipment that you think will make the best tunnel.
2. Build your tunnel.
3. Test your tunnel by seeing if the car can go through it. Spray it with water to see if it is waterproof.
4. Change your design if needed and test again.

Science Experiment

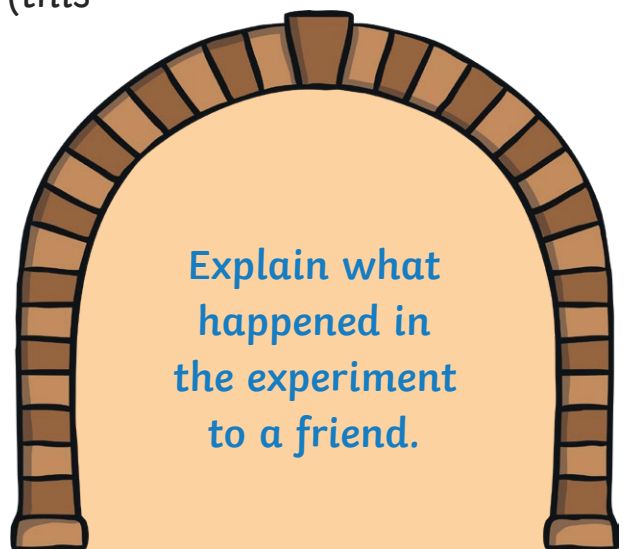
Design a Tunnel

Your tunnel will have to be strong.

Your tunnel will need to be waterproof (this means that it doesn't let water in).

Your tunnel will need to be big enough for a toy car to go through it.

Will your tunnel be straight or have bends in it? Why?



Explain what happened in the experiment to a friend.