



Wider Curriculum Unit Plan for Home learning

Subject: Science

Unit: Materials

Year: 1

Session

Lesson tasks

Session 1

What is a material and what are objects made from?

You will need a pencil and paper

- Watch the video lesson [What is a material?](#)
- How could you help Humpty Dumpty?
If you don't know the nursery rhyme you can [watch the video here](#)
- What material what you choose to put at the bottom of the wall for Humpty to fall on? Make a list or draw the 5 best and 5 worst materials for Humpty to fall on.
- Explain why they would be good to use or why you would not use them?
The best material would be because.....
The worst material to use would be because.....

Session 2

What are objects made from?

You will need a pencil and paper

- Try the quiz and watch the video – [What are objects made from?](#)
- Have a look at home for any objects at home made from 2 different materials eg *My window made of wood and glass*
- Draw what you have found and label them with what they are made from.

Session 3

How can I describe and object

You will need a pencil and paper and

Try the quiz and watch the video: [How can I describe an object?](#)

Session 4

Which materials float and sink?

- Do all hard materials sink? Do all soft materials float? What do you think?

If you would like to take part in the experiment in the video t you will need a coin or small metal object, a cotton ball or pad, stones, a pencil and a bowl of water

- Watch the video of: [Which materials float and sink?](#)
- How could you make something to make it possible for a coin to float? **Try it out.**
- Draw or take a picture of your floating coin and how you did it. Can you find other ways of doing this?

Session 5

Which materials are absorbent?

You will need: paper, pen

If you want to join in the experiment you will need a sponge or cloth, plastic bag or cup, foil, cardboard or paper, cotton wool or tissue

- **Watch the video for** [Which materials are absorbent?](#)
- Fred and Tom the bear need an an umbrella:
Draw your design for the best material for each part of the umbrella.

Session 6

Which materials are best for different objects?

You need pen and paper

- Watch the video: [Which materials are best for different objects?](#)
- Your headteacher and deputy have decided that school uniforms are not strong or waterproof so they should be changed. One of them has decided that our school jumpers should be made from metal the other says it should be made out of glass.
- Which is the better suggestion? Write them a note about what you think about this.