KS1 Science

Which everyday materials are bicycles made from and why?

Exploring the range of everyday materials used on bicycles
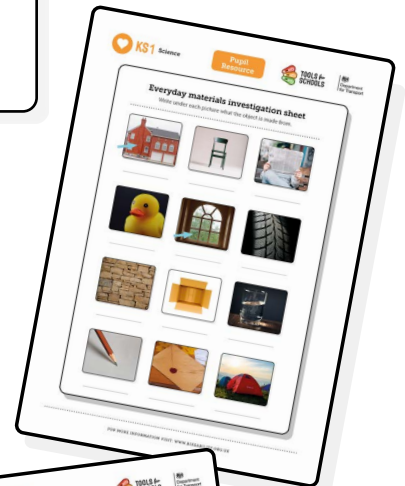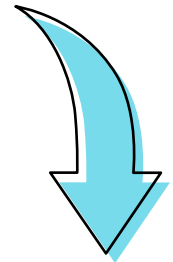

READY CURRICULUM LINKS & SESSION OUTCOMES

Science: (Yr 1) distinguish between an objects and the materials; identify and name a variety of everyday materials; describe the simple physical properties of a variety of everyday materials

(Yr2) identify and compare the suitability of a variety of everyday materials, for particular uses
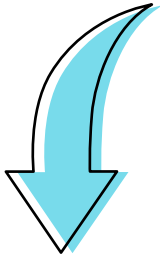
This learning resource supports pupils to:

➜ Identify a range of materials and their uses

➜ Explore the bicycle and identify which different everyday materials are used to make one?

➜ Investigate which everyday materials used on a bicycle can be reused/recycled

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SET WHAT YOU WILL NEED

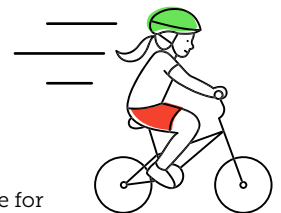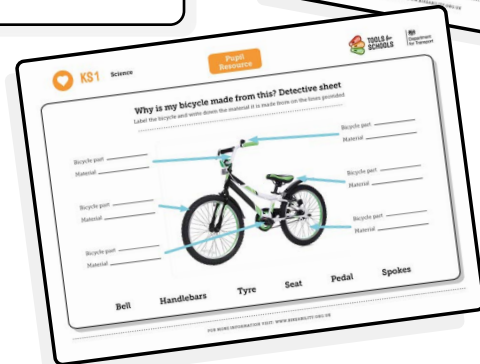➜ **Everyday materials investigation sheet** (1 per pupil/group)

➜ A bicycle (if possible) or use the image on the **Why is my bicycle made from this? Detective sheet** (1 per pupil/group) (also on a ppt slide)

PEDAL WHAT TO DO

➜ Pupils use the **Everyday materials investigation sheet** to identify and record their observations, discuss the properties if these materials

➜ Using a real bicycle or the image on **Why is my bicycle made from this? Detective sheet** (also on a ppt slide) pupils discuss and share thoughts on why parts of bicycles are made from different materials. (metal/rubber/plastic/fabric/leather).

TO MAKE THIS LEARNING ACTIVE

CONTRIBUTING TO YOUR DAILY... 60 ACTIVE MINUTES

Encourage pupils to walk around the classroom/school environment, identifying different everyday materials identified on their investigation sheet

DID YOU KNOW?

A single parking space for a car can fit up to 12 bikes. Wow!

Everyday materials investigation sheet

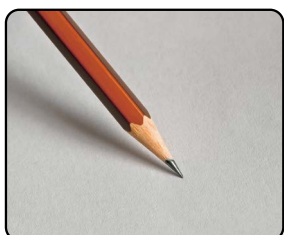Write under each picture what the object is made from.

_____   _____   _____

_____   _____   _____

_____   _____   _____

_____   _____   _____

Why is my bicycle made from this? Detective sheet

Label the bicycle and write down the material it is made from on the lines provided

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Bicycle part _____

Material _____

Bicycle part _____

Material _____

Bicycle part _____

Material _____

Bicycle part _____

Material _____

Bicycle part _____

Material _____

Bicycle part _____

Material _____

Bell   **Handlebars**   **Tyre**   **Seat**   **Pedal**   **Spokes**