



## KS1 Science

# Which everyday materials are bicycles made from and why?

Exploring the range of everyday materials used on bicycles

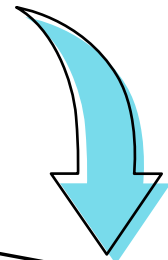
### READY CURRICULUM LINKS & SESSION OUTCOMES

**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:

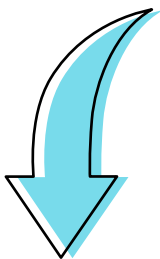
- Identify a range of materials and their uses
- Explore the bicycle and identify which different everyday materials are used to make one?
- Investigate which everyday materials used on a bicycle can be reused/recycled



### SET WHAT YOU WILL NEED

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

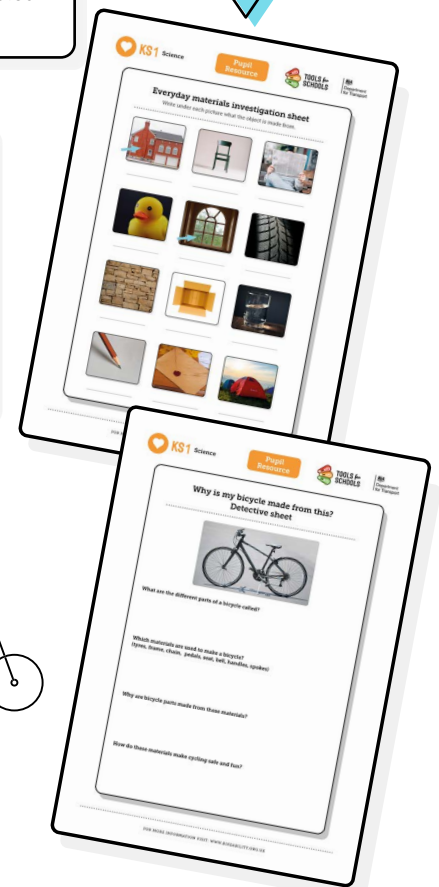
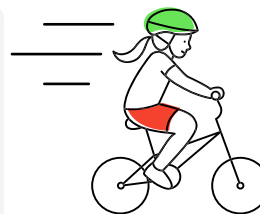
→ A bicycle (if possible) or use the image on the **Why is my bicycle made from this? Detective sheet** (1 per pupil/group) (also on a ppt slide)



### 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

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.



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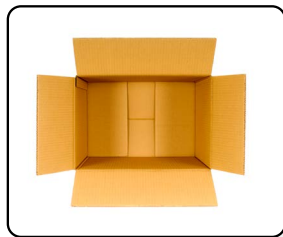
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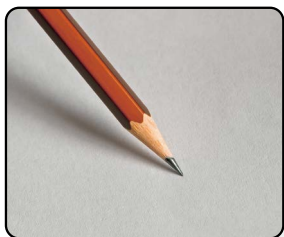
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## Why is my bicycle made from this? Detective sheet

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**What are the different parts of a bicycle called?**

**Which materials are used to make a bicycle?**  
(tyres, frame, chain, pedals, seat, bell, handles, spokes)

**Why are bicycle parts made from these materials?**

**How do these materials make cycling safe and fun?**