

Knowledge Organiser
Unit: Everyday Materials

The materials used in cars are tested by crashing the car many times!

There are lots of words we can use to describe materials!

You can sometimes make something waterproof by covering it in wax or oil.

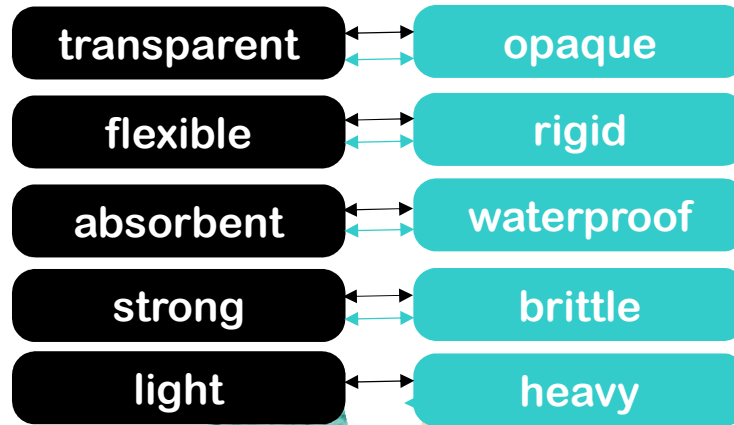


GR8! – 8 words and meanings to learn

Key Word	Meaning
1. flight	The action of something moving or flying through the air.
2. structure	The way something is built or put together.
3. transparent	When a material is see-through.
4. opaque	When you can't see through something.
5. translucent	A material which allows some light but not detailed shapes, to pass through it.
6. flexible	Capable of bending easily without breaking. The opposite of rigid.
7. rigid	Not able to be bent easily. The opposite of flexible.
8. oil	A liquid used for fuel and making plastics.

Opposites

Opposites



- Lesson 1**
 - Identify the materials objects are made from
- Lesson 2**
 - Describe some simple physical properties of materials
- Lesson 3**
 - Group together materials by their physical properties
- Lesson 4**
 - Explore everyday materials which are opaque or transparent
- Lesson 5**
 - Know the story of Wilbur and Orville Wright
- Lesson 6**
 - Explore everyday materials which are absorbent or non-absorbent







Before and After...

Question 1: Which of these are materials?	Start of unit:	End of unit:
wood		
air		
metal		
things		
brick		

Question 2: Which of these things are transparent?	Start of unit:	End of unit:
glass		
plastic		
metal		
wood		
brick		
clay		

Question 3: Plastic is	Start of unit:	End of unit:
Man-made		
natural		
Cannot be recycled		
Can be recycled		

Question 4: Elastic material is	Start of unit:	End of unit:
stiff		
stretchy		
bendy		
brittle		
rough		

Question 5: Match the word to the picture	Start of unit:	End of unit:
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 10px;">plastic</div>  </div>		
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 10px;">metal</div>  </div>		
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 10px;">glass</div>  </div>		
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 10px;">wood</div>  </div>		
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 10px;">rock</div>  </div>		
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 10px;">water</div>  </div>		