Key Vocabulary						
Absorbent	will soak up water or other liquids					
Waterproof	won't absorb water or other liquids					
Flexible	bends without breaking					
Rigid	does not bend					
Float	sits on water or liquid					
Sink	falls down underneath water or liquid					
Transparent	can see clearly through it					
Opaque	cannot see through it					

#### I can:

• Name an object and the material from which it is made.

St Neot Primary School Knowledge Organiser

- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.
- Describe properties of everyday materials (waterproof / absorbent / flexible / sinks / floats).
- Classify (sort) objects based on their properties or materials.

### Floating and sinking

Autumn 2

Year One

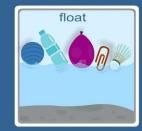
Video about pushing, pulling and twisting forces, BBC bitesize:

https://www.bbc.co.uk/bitesize/topics/zn77hyc/articles/zptckqt

Video about floating and sinking – i-player:

 $\underline{https://www.bbc.co.uk/iplayer/episode/b0bc29rr/kit-pup-series-1-7-floating-and-sinking}$ 

# FLOATING & SINKING





### Let's think like scientists

**Everyday materials** 

- Do all small objects float?
- Do all big objects sink?
- Do boats sink?
- Why are lots of boats made from wood?
- Why aren't boats made from wool?

## **Properties of materials**



Materials Materials								
Wood	Plastic	Glass	Metal	Water	Rock	Fabric	Rubber	

Quiz						
Question 1	Question 2					
Which material is this an example of?	Which of the following objects is waterproof?					
a) Glass	a) Tissue					
b) Metal	b) Wax					
c) Plastic	c) Sponge					
d) Wood	d) Wood					
Question 3	Question 4					
Which material is this an example of?	Which of the following objects is usually flexible?					
a) Rubber	a) Metal coin					
b) Metal	b) Window					
c) Plastic	c) Wax					
d) Wood	d) Elastic band					
Question 5	Question 6					
Which material is this an example of?	Which of the following objects is usually transparent and waterproof?					
a) Metal	a) Metal spoon					
b) Plastic	b) Wooden chair					
c) Rubber	c) Drinking glass					
d) Wood	d) Elastic band					