Science: Everyday materials

Summer 2 Week 5

Friday 10th July

LO: To test different materials and use the results to make a decision

Success criteria…

- I can look carefully at what happens
- I can test different materials in a fair way.
- I can record what I see and what happens.
- I can use what I know to choose a suitable material to wrap a present
- I can explain why the chosen material would be a good choice.

Starter: Previous learning

Remember: A property describes what a material is like and how it behaves.

waterproof | stretchy | smooth | see-through | absorbent

bendy | rough | not waterproof | shiny

not see-through | stiff | not absorbent | dull

The words above are all properties of materials and objects. Choose one word to complete each of the sentences below.

When it rains, an umbrella keeps you dry because it is _____

This gold ring looks _____

A sheet of kitchen roll mops up water because it is _____

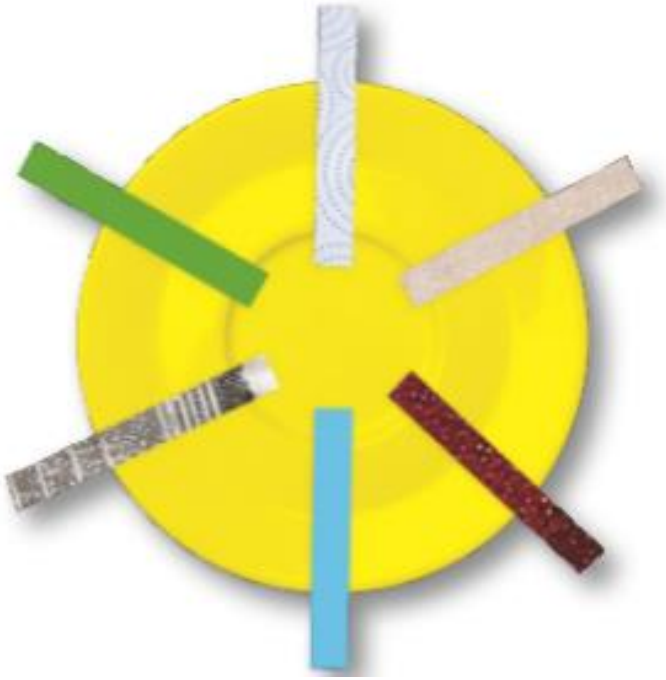
A wooden spoon isn't bendy, it is _____

Tim is going to a birthday party today! He has carefully wrapped his presents and he is ready to go…but it's raining outside! The wrapping gets all soggy and starts coming off-Oh no!

Year 1 we need to help Tim by testing some materials to see which would be the best to use to wrap his present!

Main Activity

- We are going to be **testing** whether things are **absorbent or not absorbent.**
- If something is absorbent it means it soaks up liquid fairly quickly- like a sponge!



Main Activity

You will need:

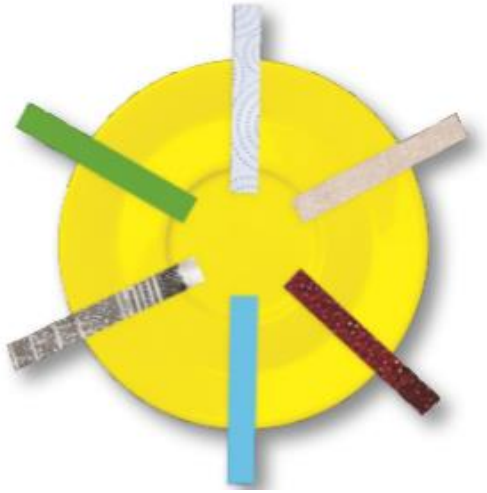
-Strips of: paper, foil, fabric and paper towel/kitchen roll- so the test is **fair** each strip needs to be the **same length.**

-A saucer or small plate

-Water

- Lay one end of each strip in the saucer, then carefully pour some water into the saucer so it touches each strip. After 5 minutes you need to see **how far the water has travelled up the strip**, if it's travelled a **long way**, then it is the **most absorbent.**

- Once you have done this, **remove the strip and observe what happens/what has happened** to it- for example, is it coming apart?



Our Prediction

- A good scientist **predicts** what they think might happen before they do the test.

- We will be testing **paper, foil, fabric and paper towels/kitchen roll**.
- I would like you to predict which object you think will be the **best** material to wrap the present with and which will be the **worst** the material to wrap the present with . You must explain your decision…

- I think the _____ will be the best material to wrap the present with because _____ _____ _____.

- I think the _____ will not be the best material to wrap the present with because _____ _____ _____.

Material	Observation- What happened? What did you see?	Absorbent or not absorbent?
Paper	_____ _____	_____
Foil	_____ _____	_____
Fabric	_____ _____	_____
Paper towel/kitchen roll	_____ _____	_____

My Findings

1. Method

Remember, your method is where you explain what you did.

2. Results

Remember, this is where you say what happened.

3. Did anything happen that surprised you?

Challenge Question

How is the most absorbent material different to the others?