Science

Everyday Materials

Starter

Can you answer these questions

1. What material is Lego made from?
2. Which word could you use to describe how metal looks?
3. A spoon is only made from wood?

Umbrella Investigation



Aim

- I can watch closely.
- I can test different materials.
- I can use what I have learnt to make a decision.

Success Criteria

- I can look carefully at what happens to Ted.
- I can record what I see.
- I can test different materials by dropping water onto them, in a fair way.
- I can record what happens.
- I can use what I know to choose a suitable material for an umbrella for Ted.
- I can explain why the chosen material would be a good choice.

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Ted's Problem

Poor Ted, can you help him? He got wet while out playing in the garden. What could he do to stop that from happening again?



We are going to make him an umbrella.

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Materials



First we are going to predict which material we think would be the best to make an umbrella from.



What do you think will be best?
How could we test these materials?
What do you think will happen?

What would we need to look out for?

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We will test paper.
We will test metal.
We will test fabric.
We will test plastic.

Can you write a sentence to predict which material would be the best to use for an umbrella.

I think _____ will be the best material to use for an umbrella.

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Your Experiment

- Put your bear in a plastic pot.
- Choose a material to test. Place it on top of the pot and secure it with an elastic band
- Drop water onto the material using the pipette.
- Write down the results of the test.
- Do the test again using a different material.



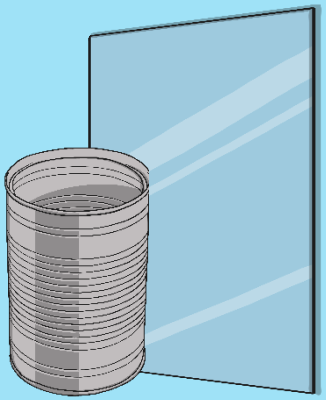
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Results

Which material would be the most suitable to makes Ted's umbrella from?

Why?





Why wouldn't it be a good idea to make an umbrella from metal or glass?

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