

Science Task – Save the Dinosaur (Waterproofing Investigation)

Materials which do not absorb water are said to be **waterproof**. An umbrella made from paper, or a pan made from chocolate wouldn't be very helpful so it's handy to know the properties of materials when making something new.

You will need 6 different materials to test – kitchen roll, paper, card, kitchen foil, parchment paper and wax crayon all work well (but if you have others at home, feel free to test what you have).

Before you begin, using the Investigation Sheet in resources **make a prediction** about which material you think will be the most waterproof and why. Also see if you can fill in the '**fair test**' boxes – What will you need to keep the same? (eg: the same size piece of material on each dinosaur) What will you change? (eg: the type of material) What will you measure? (eg: the amount of water drops/sprays).

THEN:

1. Colour in the dinosaurs using felt tips.
2. Cut out rectangles of different materials to put over the dinosaurs (see picture).
3. Carefully tape the rectangles over each dinosaur (masking tape works well, but anything you can peel off easily should be fine).
4. Spray each dinosaur with the same amount of water. If you don't have a sprayer, just drop water instead.
5. Look carefully at the materials, check to see if the water is sitting on the top or has been absorbed by the material. If you can see the water on the top, the material is waterproof.

Complete your investigation sheet – results, conclusion and 2 things you would change if you did the investigation again.

- Also if you can take some pictures to show me your results.

