Mr Pickles sent Year 2 a letter asking for their help. He wanted to find out which material would be the most suitable to make a raincoat.

Year 2 completed a fair test to see which material would be water proof and which wouldn't. They tested foil, newspaper, cling film, kitchen roll and fabric. We went to the Phiz lab, and really enjoyed wearing our Phiz Lab coats and using pipettes. We focused on using our key scientific language: waterproof, absorbent, not water proof and material.

LO: To test materials for their suitability for a purpose 4.2.20

Mr Pickles is now working in a factory making raincoats for Forest Rangers. He is in charge of selecting the best material to use.
There are boxes of materials in his room and he is in a real pickle because he doesn't know which one to use. He needs your help!

How will you test to see which material would be the best?

First, put the material on top ~~of te~~ of the cup. Then, pour the water on top. Finaly, observe the cup and see if the wate went thrugh.

I ~~predikt~~ ~~predict~~ ~~predicted~~ predicted the best material for a coat will be cling film. To make this a fair test I will put 6 drops of water from a pipette and make shure time how long we observe it.

| Name of material | Piece of material | What happened? |
|---|---|---|
| foil | | The water ~~didn't~~ stayed on top so its waterproof. |
| cling film | | The water stayed on top so its waterproof |
| fabric | | The water ~~got~~ went through so its not waterproof |
| kitchen roll | | The kitchen roll absorbed the water so its ~~waterproof~~ not waterproof |
| | | |
| | | |

Conclusion:
Which material was the most suitable for a waterproof raincoat and why?

In conclusion the most stable material cling film berause it is waterproof and it's bendy.

Did your result match your prediction? Yes ☑ No ☐