



Waterproof Materials

LO: TO KNOW WHAT MATERIAL IS BEST FOR A WATERPROOF COAT.

The Battle of Materials Experiment



Oracy Task



What does the word **waterproof** mean to you?

Why do we need waterproof materials?

How do you stay dry in the rain?

How do your shoes stay dry in the rain?



Waterproof materials

<https://www.youtube.com/watch?v=CmKH0T42hV0> 1:31

Control + click to follow the link or copy the link and paste in a search engine.



Pupil Challenge



Tuesday 2nd February

Dear Year 3,

My name is Compare Bear. Have you seen me in your Maths area? I'm feeling a little bit bored today. What I would really like to do is go for a walk in the rain. The only problem is that I haven't got a **waterproof** coat.

I was wondering if you could test some different materials and let me know which material will make the best waterproof coat.

Thank you so much.

Bear X





What do I want to find out?

I want to find out.....

Oracy: What experiment could you design, using the materials below, to make a waterproof coat?



What will your experiment measure? (dependent variable - different materials)

In my experiment I will measure ...



What will you ensure stays the same during the tests? (Controllable variable)

To make sure the test is fair, I will keep



Which material do you think will be the most waterproof? **Make a prediction.**



I predict that the _____ will be the most absorbant because _____.

I think the least absorbant material will be _____ because _____.



Investigation



Results

- use this table or create one of your own.



Material	Waterproof	Non-waterproof
Foil		
Paper towel		
Toilet roll		
Plastic bag		
Greaseproof paper		
Dish cloth/towel		



Conclusion

What did your results show?

Was your prediction correct?



Reflection

Is there anything you would do differently next time?

