

Wonder wool Investigations KS1

Investigation 1:

Which materials are the most suitable for making clothes?

Some children are being asked to wear new school uniforms made from some strange materials. Some of them look rather uncomfortable!

You need to carry out a range of investigations so that you can decide which is going to be the most suitable material for your new school uniform.

Look at these images and discuss the advantages and disadvantages of them with your partner.



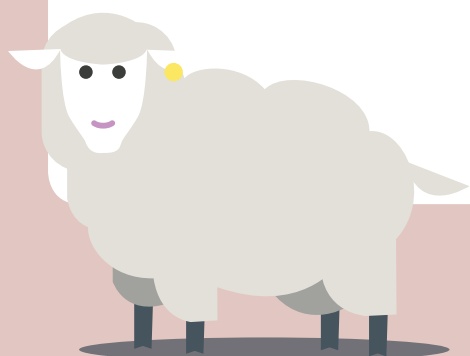
Clothing made from
chain mail



Clothing made from
bubble wrap



Clothing made from
newspaper



Wonder wool Investigations KS2

Investigation 1:

How do the insulation properties of wool compare with other fabrics?

You need to consider how you will plan and carry out this investigation and consider the variables / factors that you can change, measure or keep the same.



Investigation 2:

How do the waterproof properties of wool compare with other fabrics?

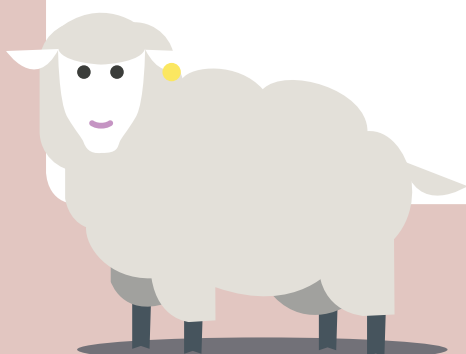
You need to consider how you will plan and carry out this investigation and consider the variables / factors that you can change, measure or keep the same.



Investigation 3:

How do the sound insulating properties of wool compare with other fabrics?

You need to consider how you will plan and carry out this investigation and consider the variables / factors that you can change, measure or keep the same.



Investigation summary task

Write a conclusion that explains your results by using data and observations from your investigation work. Ideally, your conclusion will explain which fabric is most suitable overall or, if there is no overall best fabric, your conclusion should compare the thermal insulation and waterproof properties of the different materials.

Once you have written a well-reasoned conclusion that explains your results, you can use it to contribute to your wool design and evaluation sheet.

