

**WALT: identify the suitability of different materials.**

**Week 7 - Monday 22<sup>nd</sup> February 2021**

There were lots of different jobs in a castle. Today you are going to think about the job of a maid. They would have had long days and lots of different cleaning to complete around the castle. Their clothes would become very dirty and ragged very quickly as they were moving around the castle.



This week in Science you are going to think about the different types of materials a maid would need for her clothes.



**THINK AND TALK:** Think about your own clothes and their properties.

Do you wear different clothes at different times of the day?

Which material do you think would be the best to make a maid's clothes out of? Why?

You are going to complete your own experiment today to see which material would be best for an apron for a maid in a castle.

You are going to see how quickly a piece of material wears away as you rub it on a brick/stone/path.

There are different parts to an experiment.

EQUIPMENT - METHOD - PREDICT - TEST - RESULT - CONCLUSION

Remember it has to be a **FAIR TEST** which means for this experiment you need to use the same brick/stone/path to test the materials on.

**WARNING!!!!**

**DO NOT USE CLOTHES THAT YOU STILL WEAR - TRY AND FIND MATERIALS THAT YOU HAVE AROUND THE HOUSE.**



**Task 1: EQUIPMENT:** Find 4 different types of materials in your house. You could use: tin foil, dish cloth, cardboard or old towel OR something different that you have. You can find more if you want to challenge yourself.

**Task 2: PREDICTION:** Make a small table to show the materials you have chosen and make a prediction about whether it will be strong enough to not go into a hole.

Material	Prediction	Will it get a hole in it?	How many rubs?
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**Task 3: METHOD, TEST, RESULTS:** Rub each piece of material against a brick/stone/path and see if it gets a hole in it. Count how many rubs made before it came into a hole.

Record in the table what happened with each material against the brick.

*An example is shown below.*

Material	Prediction	Will it get a hole in it?	How many rubs?
Tin Foil	It will make a hole	Yes	3

**TASK 4: CONCLUSION:** Look back at your results and think about what you have found out about the strength of the materials which you have tested.

Does the material need to be thick? Does it need to be soft? Does it need to be hard?

Write what you have found out. Use this sentence starter to help. You can talk to an adult about what you have found out and think back to your own clothes and the different uses you have for these.

In conclusion I have found out that \_\_\_\_\_ is the best material for the apron because

\_\_\_\_\_.