

Science Experiment - Waterproof

We need your help children! Your teachers want to build a house in the woods for the class teddies to play in, but they cannot agree which material will be the best for the roof. They want to keep the water out and the teddies dry. This means the material must be waterproof (not let any water through)

Mrs Mitchell says, "I think grass will be the best to keep the teddies dry!"

Miss McCance says, "I think sticks will be the best to keep the teddies dry!"

Miss Edwards says "I think kitchen roll will be the best to keep the teddies dry"

And Miss Westgate says, "I think a plastic bag will be best to keep the teddies dry!"

Who do you think has chosen the best material? Make a prediction....

Now you have completed your prediction you need to perform the experiment and see if you were correct.

You will need:

- A lego house without a roof (or 4 empty cups)
- Grass
- Sticks
- A piece of kitchen towel
- A plastic bag cut to fit the top of the house
- A spray bottle or something to help pour water slowly onto the roof.

Place the roof carefully on top of the house or cup, gently pour a little water on top – what happens? Does the roof stay firm? Does it let water into the house/cup? Repeat this for all the different materials. What have you found out?

Conclusion: Which teacher was correct? Was your prediction correct?
