­­­Home Learning

Autumn Term – 2nd half Term

Our topic this half term is ‘Is it shiny?’ At school we will explore this question about materials and their properties.

Below are some activities, linked to this topic, which you might like to do at home – if you are unable to come into school.

**A new cape for Little Red Riding Hood**

**You will need:**

* A small toy/doll
* Scissors
* Some water in a small watering can or spray bottle
* A variety of different materials e.g. wool, felt, tinfoil, plastic bag, paper towel, tissue paper

Read the story of Little Red Riding Hood – if you don’t have a copy of this story at home, you can find being read on YouTube.

Talk to your grown up about what Little Red Riding Hood was wearing in the story (a cape) and what you think her cape might have been made from?

Imagine that Little Red Riding Hood wants to visit her Grandma again but this time it is raining. She will need a new cape that will keep her warm and dry. Can you help to make her a new cape by exploring what might be the best material to use and why? Have a look at some of the different materials your clothes (or other members of your household) are made from. Think about the different materials used to make, for example, t-shirts compared with jumpers, sun hats compared with woolly hats. What about the different coats/jackets in your house? What makes some of them waterproof? What materials are used?

You could test out your ideas by covering a doll or teddy with different materials and sprinkling or spraying on some water. What worked? What didn’t work so well? Perhaps you could even draw a picture to show what happened.

**Shadow Puppets**

Make a shadow puppet - you could use the shadow puppet templates provided and attach a lolly stick, pencil or something similar using sticky tape.

Shine a torch at the puppet to make a shadow puppet on a wall and talk to your grown up about what a shadow is and how it is made.

Use a hole punch (or alternative) to make holes in your puppets and make shadow puppets on the wall again. Can you see the holes you have made in the puppet making light spots on the wall? Why do these appear?

You might like to make shadow puppets of your favourite story or TV characters and use these to tell a story and put on a show for your family. You might even like to consider making and selling some tickets to your show!

You could explore further by holding your torch behind some of your toys or using your own fingers to make different shapes on the wall.

What happens when you hold your puppets closer to your torch? Do the shadows get bigger or smaller? And what happens when you move it further away again?