



Year 1 - Autumn 2 - Science Knowledge Organiser: Celebrations



What I already know...

In EYFS we explored natural materials, indoors and outside and talked about the differences in materials they notice.

We explored our outdoor environment found out about the effect of the changing seasons on the natural world around us.

What I will learn...

- In Autumn the weather begins to get colder.
- The amount of daylight becomes less so that day-times feel shorter and night times feel longer.
- The leaves start to change colour and fall from the trees.
- The Autumn months are September, October and November.
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.
- Distinguish between an object and the material from which it is made.
- To describe simple physical properties that materials and objects can have: opaque, transparent, translucent.

Key Vocabulary

light source	Something that gives out light.
opaque	Animals that only eat plants
translucent	A material that lets some light through but you cannot see through it clearly.
transparent	A material that lets light through and you can see things very clearly through it.
shadow	The dark shape that an object makes on a surface when light is blocked by the object that is between the light source and the surface .
sound	A vibration that travels through the air and can be heard by the ear.
source of sound	An object that makes a sound.
vibration	Sounds can be made by vibrating an object; something that moves back and forward

Making a difference at home

- Visit the Golden Mile and see all the lights that have been put up to celebrate Diwali and see how they are changed to get ready for Christmas. How do they make you feel?
- Look around your home for objects that are opaque, transparent and translucent.
- Create your own shadow puppets to go with your favourite book and create a show for your family, adding lights and music for dramatic effect!

Making a difference at The Merton

Many celebrations during the autumn and winter months have the theme of light; brightening dark days, and bringing light into life. As we explore some of these in RE, in this Science topic we will make connections with the scientific properties of light and dark. Children will learn to recognise light sources and visit the library where we will turn off lights and block any light to try and create an experience which resembles complete darkness. We will create shadow puppets to help us to understanding how shadows are made as well using our school grounds to find and make shadow shapes. Through our experiences, exploration and investigations we will understand the properties of opaque, transparent and translucent. We will also make our own musical instruments and explore how to create different types of sounds. Our learning will build up to use working collaboratively to create a class shadow puppet show of the Hindu story of Rama and Sita, making links again with RE and also music. as we consider the role and pleasure that music and lights add to our celebrations and when we perform.

