

Exploring the Dark with Light

At a time of year when the nights are long and festivals such as Diwali, Bonfire Night and Christmas happen that focus on light.

In the nursery over the autumn term the children have been exploring the dark with light.

We asked the children 'Can you see in the dark?'



In the nursery the children explored the dark with torch light.

In a dark room objects can be made to appear by shining the torchlight on them.

Shining their torchlight onto the wall and floor they discovered they could make their torch beam bigger and smaller by moving the torch closer and further away.



What happens when you put objects in the path of light?

By placing their hand in between the torchlight and the wall the children can make a shadow of their hand.

The children discovered that when they shine the light on the toy dinosaur they could see and manipulate the size and shape of the dinosaur shadow.

Holding objects up in front of the torch light the children are discovering how different materials behave in front of the light.

Have you got a torch at home? Take this opportunity at this time when the dark nights are long to explore the dark with light. Take a walk in the dark with your child and their torch. What do they notice? If you haven't got a torch you could use the torch light app on your phone.

Explore a dark room with torchlight, encourage your child to shine the torch light on their favourite toys, or their hands. Can they see the shadow? Can they change the shape of the shadow?



Experiment, shine the torch light through different materials and objects with holes what happens to the light?

Try shining a torch light through a cardboard tube or a colander ...

We look forward to hearing about your discoveries, please share them with us.