

Year 3 Science—Light

Here is a suggestion of some activities linked to what your child has been learning at school. We hope you have fun completing them together.

From a window in your house, record the shape of the moon each night.	Continuing our work on materials, can you find any opaque, translucent and transparent materials in your home? If so, classify these materials and record them.	If you can, go for a walk in the woods—can you make shadows using body parts? Can you spot shadows that are created from wildlife such as trees? What do these look like?
Using a torch or lamp, create shadows. Build on our experiment in class of moving the light source away from objects to explore how the size of shadows change. Can you measure these shadows or draw the shapes of them?	Can you create reflections using household objects?	Create a poster warning people of the dangers of the sun. Remember to include ways in which people can protect themselves from the sun. Remember to use scientific vocabulary. How can you make your poster eye-catching?
Cut out some cardboard shapes and create shadow puppets using lamp shining onto a blank wall.	Design a sun hat to protect you from the sun's UV rays. Add labels and colours.	Read your favourite book to an adult/friend/ teddy bear. Write a review—why is it your favourite book? Who would you recommend it to and why? Which character was your favourite and why?
Shine a light onto a blank wall and use your hands and fingers to create shadows. Can you tell a story to go alongside your shadows?	Check the weather for rainbows and draw what these look like in the sky. Which colours can you see? List them.	Design some curtains for your bedroom. Use your knowledge of materials and light passing through them to help you. Which material would be most suitable and why? What would they look like?