

Light & Shadows

Week 1



Choose which activity you want to do each day- you decide your own order.

We have made each task flexible- it doesn't always need to just be a written piece of work, you can present it in any way that you wish, be creative!

Light scavenger hunt

LO: Can I identify sources of light?

Watch this video and identify the different light sources.

<https://www.bbc.co.uk/bitesize/clips/zfp6n39>

Go on a 'light scavenger hunt' around your house, how many different light sources can you find? Make a list of the light sources in each room. To present your findings, either...

- Create a bar chart to show how many light sources are in each room of the house. Which room has the most/ least?
- Draw a diagram of your house and label how many light sources are in each room and what they are.

Science 1

L.O: Can I recognise that I need light to see things, and that dark is the absence of light?

Watch this video 'What is light?' and complete the online quiz.

<https://classroom.thenational.academy/lessons/what-is-light-c4w30d>

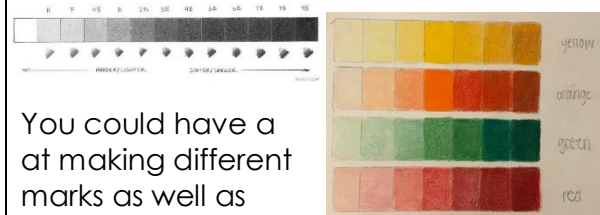
Choose an activity:

- Can you create a 'True or False' light source quiz for a friend or family member?
- Draw a picture to show the difference between light and dark. You could draw the same scene in the day and in the night.

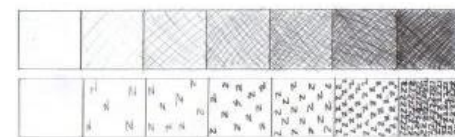
Art 1

L.O: Can I create tone?

Using materials you have at home (pencils, paint, crayons, felt tips etc.) have a go at shading from light to dark. Investigate: how do you make a darker/ lighter shade?



You could have a go at making different marks as well as shading in the boxes:



go

Science 2

L.O: Can I investigate which surfaces reflect light?

Watch this video 'Which materials are reflective?' and complete the online quiz.

<https://classroom.thenational.academy/lessons/which-materials-are-reflective-6cu6cc>

- Design a poster to tell people how to dress to be seen in the dark. Explain how to choose clothes that reflect light well.
- If you are going somewhere in the car when it is dark, look out for road signs, bike lights, cat's eyes or clothes that reflect light well. How do these help the driver?

Design & Technology

L.O: Can I design a reflective product?

Complete your learning about reflective surfaces in science first.

- You are going to be an inventor today by creating your own "reflective product". It could be a bag, shoes, or whatever you choose- be creative.
- Think about the materials you are going to use to ensure your product reflects light to show up in the dark (e.g. mirrors, foil).
- Draw and label your design with the materials you will use and how it will work. You could even have a go at creating your product using reflective surfaces in your home (make sure you ask an adult before you use anything!)