



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!

Art 4

Can I explain why the sun can be dangerous and how to protect our eyes?

- It can be great fun experimenting with shadows to create art. Use your own body and objects to create shadow sculptures. Can you use the position of the sun or light to make your legs look longer and shorter?
- There are currently many illustrators experimenting with shadows to create artwork. Watch this video and have a go at creating your own shadow illustrations:
<https://www.youtube.com/watch?v=NlnkH0ukCOI>



Science 5

Can I investigate which materials block light to form shadows?

Watch this video 'How are shadows formed?' and complete the online quiz.

<https://classroom.thenational.academy/lessons/how-are-shadows-formed-6wt66d>

Choose an activity:

- Complete the 'Choosing Materials' investigation (found in the folder on teams or on the website here <https://www.birklandsschool.co.uk/page.php?d=year3&p=topic>)
- Sit in front of a light to create a shadow of your face in profile. Ask a family member to draw around your silhouette.
- Investigate materials in your home. Make a table showing what you can find that is transparent or opaque.

Art 5

Can I add shading and shadows to artwork?

Now that you have experimented with adding shading and shadow art you are going to bring all your learning together to create a final art piece based on our book in English.

- Re-create the image below using the art materials you have in your home. You could:
- Use chalk, paint, crayons or other materials.
- Cut out a stencil of the Peter Pan shape to create the shadow.
- Set up the picture in your home- use photography to 'act out' the picture.



Science 6

Can I find patterns when investigating how shadows change size?

Watch this video 'How can you change the size of a shadow?' and complete the online quiz.

<https://classroom.thenational.academy/lessons/how-can-you-change-the-size-of-a-shadow-6cv66r>

Choose an activity:

- Experiment by placing objects next to/ further away from a light source and drawing around the shadows. Write an explanation about how and why they change.
- Why not make a sundial to see how shadows change throughout the day? Use a paper plate, blue tack and a pencil and place your sundial outside on a sunny day. Draw the position of the pencil's shadow every hour. *This will only work on a sunny day!

Computing

Can I present my own research and learning?

Present what you have learnt in your 'Lights and Shadows' topic using a computer format of your choice. You **must include at least 5 pieces of information** you have learnt, It could be:

- A poster created on word, publisher, powerpoint
- A powerpoint presentation
- A video or voice recording
- A simple website using this free website building site

<https://www.wix.com/>

