

Design and Make a Sundial:



Ancient societies used the sun and a sundial to measure time. As the Sun moves across the sky, the **gnomon** (the stick) casts a shadow on a flat surface. The position of the shadow shows what time of day it is. Have a go at designing and making your own sundial. How can you mark the shadows so that it shows the time as accurately as possible?

Be a History Detective:



How has the local area changed over the years?

Ask grandparents/elderly neighbours who have lived in the area for a long time, what they remember about the shops/houses/green spaces etc.

With the information you find out, you can write an information leaflet or prepare a PowerPoint Presentation to share with the class.

Light and Dark Facts:

Find out as many facts as you can about 'The Sun' and 'The Moon'.

- **How do they give us light?**
- **Are they both a light source?**
- **What are the differences?**
- **What other facts about light and dark can you find out?**

Once you have discovered your facts, write these down on pieces of paper or card to make fact cards.

You can test the class and find out how much they know!!

Exploring our local area:

On your next walk outside look carefully at the human and physical features of your local area.

You could take photographs or draw or sketch some of the main features.

Use these to create an eye-catching poster about your local area.



Research and create a fact file about the following scientists:

Thomas Edison

Nikola Tesla

Think about why their discovery was so important to our daily lives.

Saving electricity challenge!

Saving energy is really important to help protect our environment.

We want you to challenge yourselves to **save electricity** as much as possible **in a week**.

- Turn off lights when no one is in the room
- Turn off TV's and computer consoles at the plug
- Play with non-electrical toys instead of tablets.
- Turn off chargers when they are not in use.

Record how many times you do these energy saving activities in a week!!

Can you think of any other ways to save electricity?