



# Why does it get darker in the winter? (Year 1)



1. Why are we sometimes afraid of the dark?
2. Where does light come from?
3. Why does it get dark at night?
4. Why does it get darker in the winter?
5. Does a large torch provide any more light than a small torch?
6. What is the best time of year to go on holiday?
7. Which animals come out at night?

## Hook for Learning:

- Go to a dark place in school (ICT suite)
- Jackanory retell of 'The Owl Who Was Afraid of the Dark?' – Jill Tomlinson
- 'Can't You sleep Little Bear?' – Martin Waddell

## Key Vocabulary:

Seasons, Spring, Summer, Autumn, Winter, months, year, January, February, March, April, May, June, July, August, September, November, December, changes, temperature, night, day, sunlight, daylight, weather, sun, moon, earth, axis.

## We learn the following science knowledge and skills...

- Recognise that electricity is an important source of light.
- Identify and name sources of light.
- Explain what darkness is.
- Compare sources of light
- Know that the Sun lights up the earth.
- Describe how the Sun moves across the sky.
- Talk about what we see and record our findings.

## As Thinkers can we...?

- Design an experiment to find out if a large torch provides any more light than a small torch?
- Begin to explain why using evidence.

## We learn the following art and design knowledge and skills...

- Describe what we see and like when looking at a range of firework clips and pictures.
- Create a firework picture using the 'splash' option on '2Paint a Picture'.
- Experiment changing the brush tool to a different size and the colour for effect.
- Make a picture move.

## We learn the following english knowledge and skills...

- Retell the story of 'The Owl Who Was Afraid of the Dark?' – Jill Tomlinson
- Use bullet points when writing a list of light sources.

## Using Technology can we...?

- Watch a simulation of how the earth moves around the Sun.
- Create a firework picture using 2Paint A Picture.

## We learn the following mathematical knowledge and skills....

- Name the seasons of the year
- Name the months of the year
- Say how many hours are in a day and how many minutes are in an hour.
- Link the months with the seasons and events such as birthdays and festivals.