



Year 1 Autumn 2

Knowledge Organiser



Science

In science, we will be observing the changes across the four seasons and learning to describe which weather is associated with the seasons and how day length varies.

Key Vocabulary

Weather: sunny, rainy, windy, snowy etc
Seasons: winter, summer, spring, autumn

Key Knowledge

- In the UK, the day length is longest at mid-summer (about 16 hours) and gets shorter each day until mid-winter (about 8 hours) before getting longer again.
- The weather changes with the seasons.
- In the UK, it is usually colder and rainier in winter, and hotter and dryer in the summer.

PSHE

This half term we will be thinking about how to identify when someone is lonely and how we can help someone when they feel lonely. We will also be thinking about our environment.

Key Vocabulary

Lonely
Loneliness
Risks
Environment

Key Knowledge

- Loneliness is when you do not feel like you have friends around you or that you are on your own even though you want people around you. It can make you feel very sad.
- If someone is feeling lonely, you can invite them to join in activities, talk to them, ask them if they are ok and tell an adult.
- Our environment is the world around us: our homes, our roads all the way to the land and the sea on Earth.
- Greta Thunberg wants to protect our planet. She wants to make people aware of risks to our environment and what we can do to protect our planet.

Geography

In geography, we will be learning to identify seasonal and daily weather patterns in the United Kingdom.

Key Vocabulary

seasonal
Spring
Summer
Autumn
Winter

Key Knowledge

- There are 4 seasons in the UK: Spring, Summer, Autumn and Winter.
- A temperature is how we measure how hot or cold it is.
- Warmer means when something is getting hotter.
- Colder is when something is cooling down.

Computing

We will try to understand what algorithms are and how they are implemented as programs on digital devices. We will be following precise instructions to make things work.

Key Vocabulary

Data
Pictogram
Results
Algorithm
Code
debugging

Key Knowledge and Skills

- To understand that data can be represented in picture format.
- To contribute to a class pictogram.
- To use a pictogram to record the results of an experiment.
- To compare the effects of adhering strictly to instructions to completing tasks without complete instructions.
- To follow and create simple instructions on the computer.

RE

In R.E we will be learning how to explain what Christmas is and why it is important to Christians. WE will begin to explain some main aspects of the Christmas celebration.

Key Vocabulary

Jesus
Birth
Bethlehem

Key knowledge

- Christmas is the celebration of the birth of Jesus in Bethlehem.
- Christians may celebrate Christmas in different ways.
- Not all Christians celebrate the same way.

Other relevant information this term

PE — PE lessons will generally take place every Tuesday but please ensure named PE kits are in school every day.

English— We will be reading and writing fairy tales and we will be writing about Christmas, too.

Maths— This half term we will focus on addition and subtraction and 2D and 3D shape.

Music— This half term, we are practising singing in preparation for our Nativity.

Art- In art, we will be learning about Kandinsky and the children will be replicating one of his famous paintings by adopting a similar painting style to his.

Spelling— All children must be able to read and spell all of the year 1 words. Please keep working on these at home.