

Half-termly Overview

Spring 1

Year 5 Barn Owl and Otter



Maths

• Fractions

Equivalent fractions, convert between mixed numbers and improper fractions, adding and subtracting fractions.

• Multiplication and Division

multiplying up to 4-digit numbers by 2-digit numbers, short division, solving multiplication and division problems

• Tackling Tables

Science - Properties of Materials

Scientist: Spencer Silver

- Compare and group together everyday materials based on their properties, including hardness, solubility, transparency, conductivity and response to magnets.
- Know that some materials will dissolve in liquid to form a solution and describe how to recover a substance from a solution.
- Use knowledge of solid, liquid and gas to decide how mixtures might be separated including through filtering, sieving and evaporation.
- Demonstrate that dissolving, mixing and changes of state are reversible changes.
- Explain that some changes result in the formation of new materials and this kind of change is not usually reversible including changes associated with burning and the action of acid on bicarbonate of soda.
- Give reasons based on evidence from comparative tests for the particular uses of everyday materials including metals, wood and plastic.

Working Scientifically:

Evaluate different aspects of their enquiries such as equipment and accuracy of measurements.

Make predictions about which materials are soluble or insoluble.

Make careful observations when heating solutions.

Computing – Databases

Internet Safety – Explain and create a strong password?

Creating a paper-based database. Compare a computer and paper-based database. Grouping and sorting data. Selecting specific data. Using a computer database to analyse data. Using real-life databases to answer questions.

Geography – Extreme Planet

Structure of our planet

Explaining how volcanoes are formed and how they affect people's lives

The causes of earthquakes and how they are measured

The causes of tsunamis and how they are measured

Religious Education – Sikhism

Key Question: Are Sikh Stories important today?

We are learning to understand the relevance of Sikh stories today.

PSHE – Fake News

What is fake news?

How can we work out

which websites are reliable, and which aren't?

What is clickbait?

How does online advertising work?

Can we believe everything we see online?

RSE – My Rights and Responsibilities

Do I understand the strategies for keeping safe online; knowing personal information including images of myself and others can be shared without my permission?

Art and Design – Land and City Scape

Can I explore and compare different artist and landscapes.

Creating landscapes on based on the style of Vanessa

Garndier and the Shoreditch Sketcher. Creating small

landscapes inspired by Kittie Jones and Saoirse Morgan.

Experimenting with mixed media.

French

We are learning all about animals in French!