

Science

In science this term we will be investigating **Evolution and Inheritance**.

Scientific skills:

- Comparing variables
- Testing variables in a circuit
- Predicting
- Data handling
- Research
- Measuring
- Planning enquiries

Geography

In geography we will be using atlases and maps to examine areas in Europe. Focusing mainly on the environmental regions, key physical and human characteristics of countries and major cities.

Geographical skills:

- Make observations of surroundings.
- Use appropriate geographical vocabulary
- Create and label a map
- Use an atlas and maps
- Describe types of settlement and land use.
- Understand position and time zones.

Art and Design

In art this term we will be creating a pop up, wind-up, pulley and levers system. We will use our knowledge of mechanical systems to create linkages and cams to create a working machine.

Artistic and design skills:

- Planning designs
- Annotating sketches
- Explore diagrams
- Understand mechanical systems.

History:

This term we will be investigating the Vikings. We will study their conflicts and struggles with the Anglo-Saxons vying for control of England.

We will look at various aspects of daily life, their beliefs, their art and their culture.

Historical skills:

- Ask and answer questions
- Use sources to find out about the past
- Explore chronology
- Describe and explain
- Research and conclude

Vicious Vikings

Computing

In computing we will look at coding in Scratch, and begin to use other programmes. We will also look at various aspects of e-safety.

Computing skills

- Code instructions and algorithms
- Debug
- Reflect and improve

Music:

In music we will be working with a musician, learning how to play the ukulele.

Religious Education

In RE we will be learning about how and why Moses is important to Jewish people. We will also be investigating their religious buildings such as a synagogue.

Skills:

- Ask and answer questions
- Critical thinking
- Personal reflection
- Reflect and respond
- Interpret stories

English

This term we are aiming to:

- plan their writing by:
- identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own
- noting and developing initial ideas, drawing on reading and research where necessary
- in writing narratives, considering how authors have developed characters and settings in what pupils have read, listened to or seen performed
- draft and write by:
- selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning
- in narratives, describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action
- using a wide range of devices to build cohesion within and across paragraphs
- using further organisational and presentational devices to structure text and to guide the reader [for example, headings, bullet points, underlining]
- evaluate and edit by:
- assessing the effectiveness of their own and others' writing
- proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning
- ensuring the consistent and correct use of tense throughout a piece of writing.

Maths

This term we are aiming to:

- read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit
 - count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000
 - interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0
 - round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000
 - solve number problems and practical problems that involve all of the above
- read Roman numerals to 1,000 (M) and recognise years written in Roman numerals
- add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
 - add and subtract numbers mentally with increasingly large numbers
 - use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Year 5

Our topic for
Autumn Term is:



Vicious
Vikings!