



What will we be learning?

Year 6 Oak

Autumn 1

In English we will learn to:

- Research information to write a report.
- Write with a formal tone
- Use fronted adverbials, passive voice and the present tense to write a report.
- Present our information in paragraphs
- Use bullet points in lists
- Include creative sub-headings to support the reader
- Add diagrams to support the reader.

Our class novel this half term is **Harry Potter and the Philosopher's Stone**.

In maths we will learn to:

- Compare and simplify fractions
- Convert mixed numbers to improper fractions
- Add and subtract fractions with different denominators including mixed numbers
- Order fractions

In Science we will learn to:

- Compare and group materials based on properties
- Investigate solubility
- Explore the effects of dissolving
- Investigate how to separate mixtures
- Explore thermal conductivity
- Understand chemical changes and irreversible changes

In computing we will learn to:

- Code a variety of games using a BBC Microbit
- Learn about algorithms
- Understand that the sequence of a block of code is important
- To use physical inputs and outputs
- Send messages to and from another Microbit

In history we will learn to:

Place Early Islam on a map and compare this to Europe and its developments.

Learn about the importance of the Silk Road for trade and knowledge.

Understand how key scientists and mathematicians impacted Islam's Golden Age and note how it impacted Europe in subsequent years.

Our trip which links to this topic will be to the Oriental Museum on 30th January – Information to follow.

In music we will learn to:

Use music technology. We will use digital music production software including midi and sampling software to compose music.

Our focus musician for this half term is **Wagner**.

In PSHE we will learn to:

- Speak out and Stay Safe in relation to our lessons using the NSPCC as a basis.
- Explore the Childline website in further detail
- Know the different types of abuse and how we have the right to help if we need it.

In PE we will learn to:

Work in a small group to produce a gymnastics routine that builds upon our skills of balance, rolls, travelling and jumps.

Our PE day is on **Tuesday**.

In Design Technology we will learn to:

- Taste and evaluate a range of ingredients
- Research how certain meat is present in various cultures
- Design and write a recipe
- Create flatbreads and hummus, evaluating and improving as we go

In RE we will learn:

What do Christians believe about God?