

**YEAR 5**

**Term 1**

**Autumn**



## Key Vocabulary

English – alarmed, awkward, anomaly, precept, manic, anxious  
Maths – hundreds, tens, ones, thousands, value, multiples  
Computing – system, input, output, process, web-crawlers, search engine  
Science – Newtons, gravitational, force, resistance, fulcrum, streamlined  
Art – Perspective, atmospheric, collage, horizon, landscape, medium  
RE – Commit, worship, Khalsa, Guru, pilgrimage, Langar

## English

Our writing journey begins with the book *Wonder*, stimulating the exploration of a character's thoughts and feelings, while being 'extraordinary'. Within our journey, we will cover:

- Character description
- Empathy
- Emotive and informal vocabulary
- Features of an online blog

Our final writing outcome is an online Blog for the school newsletter, informing parents and teachers about August and how he deals with everyday life while having Treacher Collins Syndrome.

## Mathematics

In Year 5 Maths, we will be learning about:

- Place Value up to 1,000,000
- Addition and Subtraction – informal and formal methods; crossing the 10s/100s/1000s barrier and exchanging
- Multiplication and Division – Times Table knowledge and skills; informal and formal methods
- Fractions

To develop our mathematical thinking and learning, we will use concrete, pictorial and abstract representations, as well as apply our skills to reasoning and problem solving.

## Science

Our Science unit will explore how forces affect everything around us. We will learn about the effects of gravity, friction, air and water resistance, as well as build models to explore how pulleys, levers and gears work.

## Computing

In this unit, we will develop our knowledge of computer systems and how information is transferred between systems and devices. We will explore real-world systems and take part in collaborative online project with others in the class.

## RE

This unit will begin by asking the question, 'How far would a Sikh go for their religion?' Through exploration of Sikh practices, we will consider how they link to our own lives, our personal devotion and commitment level to aspects of our lives.

## PE

In PE this term, we will be participating in two different disciplines – Cricket & Athletics. In cricket, we will be developing our hand-eye co-ordination, throwing and fielding defensive tactics. Athletics will build our running, throwing and jumping techniques.

## Spanish

In Spanish we will be learning how to talk about ourselves and friends – likes/dislikes, families and school. As a challenge, we will also be learning how to express our feelings.

## Geography

We will be exploring the positive and negative human effects on the environment. First, we will investigate the impact of WW2 and London 2012 on particular areas in England, before considering the changes in our local environment.

## Art

In Art, we will be creating a piece of landscape artwork, using artists such as Monet and Van Gogh as inspiration. We will explore different techniques throughout the unit, choosing a suitable one for our final piece.

## PSHE

Our PSHE learning will consider different influences associated with smoking, drugs and alcohol. We will learn about the risks, as well as strategies to resist pressure from others.

## Music

With a focus on performance, we will be considering the song *Jerusalem* as a basis for looking at changes through time. We will have the chance to compose and perform our own music inspired by the local community, past and present.

## Learning to Learn

Our Learning to Learn skill this term will be to manage our distractions. Often there is so much going on around us it makes it difficult to learn, so we will be looking at different techniques to help us focus on our learning.