

# Year 5 Spring 2



Barnet Hill Academy  
FAITH • EXCELLENCE • KNOWLEDGE

## ENGLISH

As **Writers**, we will be focusing on **stories with a fantasy setting** which are stories derived from fantasy traditions, which have a descriptive piece of writing based on a mystical place. We will then move on to **Haiku poetry** where we will look at traditional Japanese poetry based around different seasons. Finally wrapping up the term with challenging ourselves to writing our instructional piece on a topic.

As **Readers**, we will be analysing the text **Street Child**. Each week we will be exploring vocabulary and features, practising our fluency, extending our reading skills, and exploring the themes and characters.

## ISLAMIC STUDIES

As **Theologians**, we will be learning about **the soul's journey from death to the final destination**. We will also have a brief tour of Jannah and Jahannam through the verses of the Quran and Ahaadith. We will try to understand what Aa'raf is and what happens there. We will also explore Taqdir and what it means to a Muslim.

## DESIGN & TECHNOLOGY

As **designers**, we will test and analyse various **types of bridges** to determine their strength and stability. We will then explore several material properties and sources before marking, sawing, and assembling a wooden truss bridge. We will develop an understanding of structures by investigating how different shapes affect their strength y exploring how to reinforce a beam (structure) to improve its strength. We will then investigate how different shapes can improve the strength of a structure when creating spaghetti truss bridges. This will help us understand how triangles can be used to reinforce bridges.

## MATHS

As **Mathematicians**, we will be focusing on three topics **Decimals and Percentages, Perimeter and Area** and **Statistics** we will learn how to work out decimals up to two decimal places and ways to complete calculations finding thousandths as decimals, we will then use our prior learning on place value to plot down the thousandths. We then will move on to our next topic of perimeter and area where we will find the perimeter and area of rectangles, rectilinear shapes, and polygons. Then move on to estimating the area of shapes using our timetables. Then we will move on to a new topic statistic, which will help us with our assessment of dotting data, we will learn to draw, read, and interpret line graphs and tables.

## GEOGRAPHY

As **Geographers**, we will focus on our learning question: **Why do ocean's matter?** We will be exploring the importance of our oceans and how they have changed over time with a focus on the Great Barrier Reef, specifically addressing climate change and pollution. We will be describing the benefits of the Great Barrier Reef and describe how humans impact the oceans and the consequences of this. We will then explain some actions that can be taken to help support healthy oceans.

## COMPUTERS

As Computer Scientists, we will focus on **Data and Information**. We will learn how to use a form to record data and how to compare paper and computer-based data base. We will then move on to outlining how to answer questions by grouping and then sorting data, explaining the different tools that can be used to select specific data. We will also be explaining that computer programs can be used to compare data visually and how to we can use a real-world database to answer questions.

## SCIENCE

As **Scientists**, we will be focusing on the topic of **Mixtures and Separations**. We will begin by exploring what mixtures are and how they are formed. Then, we will investigate different methods of separating mixtures, including sieving, filtering, and magnetism, identifying when each method is most effective. We will also explore solutions, observing their appearance and understanding solubility. Finally, we will investigate dissolving, examining the factors that affect how quickly a substance dissolves through practical experiments.

## PSHE

As Global Citizens, we will investigate the topic of **Respectful relationships**. Through discussions and activities, we will explore the importance of self-respect, understanding differences, and challenging stereotypes. We will learn about different types of bullying, its impact, and the role of bystanders in creating a safe and supportive environment. Additionally, we will develop strategies for self-improvement, reflection, and showing respect to others, helping us build positive and inclusive relationships with those around us.

## PHYSICAL EDUCATION

As **Athletes**, we will explore the principals and skills of **Stike and Field**. We will build an understanding on striking a ball with confidence and control and direct it accurately into a target area. We will learn how to receive the ball from one direction and be able to throw or strike it away in another direction. We then will develop and consolidate different striking and fielding techniques by choosing the best tactics for attacking and defending. We will learn how to devise and adapt rules to create and make sure the game is fair and runs smoothly.