



Helvellyn Class

Summer (Term 5)

Curriculum Information

2022/23



Climate Change

**How does climate change
impact on me and my family?**



Maths

In the first summer term we will be learning:

Year 5

- **Shape** - Identifying different types of angles; measuring angles using a protractor; drawing accurate lines and angles; calculating missing angles around a point and on a straight line; identifying regular and irregular polygons and their properties; identifying 3D shapes and beginning to visualise 3D shapes to identify their properties.
- **Position and Direction** - Translating shapes; reflecting shapes on a grid; reflecting shapes on horizontal and vertical lines; plotting and reading co-ordinates; solving problems using co-ordinates.

Year 6

- **Shape** - Identifying angles; measuring angles; calculating missing angles in polygons, quadrilaterals and different types of triangles; translating and reflecting shapes; visualising 3D shapes to identify its properties; creating 3D shapes from nets and creating nets to produce a 3D shape; identifying different parts of a circle (radius, diameter and circumference).
- **Consolidation and revision** - In preparation for the Year 6 SATs, we will be revisiting different mathematical concepts from throughout Key Stage 2 (Years 3, 4, 5 and 6). We will have a strong focus on number and calculation within this revision. We will also be completing past SATs papers to prepare.

Maths is taught flexibly. Some lessons, both the Year 5s and 6s will be learning the same concept at different levels and will be taught together. Other times Year 5 and 6 will be taught separately to ensure each year group is covering their own curriculum.

We will continue to do CLICs and SAFEs weekly, where possible, to remember our past learning. We will be using the 99 Club and TTRS for our times table learning where appropriate.

English

Fiction

The Arrival by Shaun Tan

To tie into our geography focus on climate change and its impacts on people, we will be looking at The Arrival. This is a graphic novel about a man who is forced to leave his family in search of a better life. His journey leads him to a strange, curious world.

We will look at the themes of migration and refuge that can occur because of the effects of climate change.

Children will:

- Write Part 1 in their own words, putting language to the illustrations
- Create an informal letter
- Use flashback in a narrative

Non-Fiction

Children will research and create their own fact-file based upon an animal or plant that has been impacted by climate change.

For example, describing the plight of polar bears losing their habitats due to melting ice caps.

Grammar and Punctuation

Grammar, punctuation and spelling techniques are taught within English lessons. This term we will revise and learn about: word classes; hyphens; brackets, commas and dashes to add parenthesis to sentences; identifying clauses and types of clauses; apostrophes for possession and plurals; adverbial phrases and using and identifying direct and indirect speech.

Spelling

Children will continue to have spelling sessions three times a week with a spelling test on Friday.

Science

Our topic for the term is **Light**.

In this topic we will:

- Prove that light appears to travel in straight lines
- Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye
- Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
- Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them

We will be completing lots of hands-on practical experiments and models to help us in our scientific learning. Through our experiments, we will learn how to form scientific enquiry questions; take accurate measurements and observations; record our findings in a variety of ways; analyse results and data to come up with conclusions.

This term we will also have the opportunity to revisit our learning on space as we have a visit from a planetarium group. This will be held in the Memorial Hall.

RE

Our RE topic for this term is **People of God - How can following God bring freedom and justice?**

In this unit, we will focus on Moses and how the term 'people of God' is created in the Old Testament. Through our exploration into Moses, we will:

- Explain connections between the story of Moses and the themes of freedom and salvation, using theological terms
- Make connections between Bible stories studied and what Christians believe about being the People of God and how they should behave.
- Explain ways in which some Christians put their beliefs into practice by trying to bring freedom to others - looking at the 5 Marks of Mission
- Consider how people of other faiths and no faith may view and interpret Christian beliefs, like the 10 commandments.

Our RE will be delivered through a range of art, music, drama, English and maths activities making the subject practical, relevant and enjoyable!

Art and Design Technology

This term our focus is on design technology.

We will be thinking about **cooking** and creating nutritional and healthy meals by cooking our own spaghetti bolognese.

We will consider animal welfare standards when deciding where we buy our meat from, or if we buy meat - linking to our learning about farming and climate change.

We will look at and compare a range of different bolognese recipes and use the idea of the balanced 'Eat Well Plate' to ensure our own bolognese recipes are healthy. We will also create recipes for a bolognese sauce for different dietary requirements. Our final step will be to make the bolognese and eat it and reflect on what went well and what we would change next time!

Geography

This term our sharp focus is on geography.

Climate change is an issue that many of our children are becoming more aware of and have many questions about. Through this topic, children will begin to understand what the scientific basis for climate change is through exploring and understanding what greenhouse emissions are and how humans are creating more greenhouse emissions than ever before. We will think about the impact of climate change on animals and plant life and how climate change is affecting people. We will reflect on how the changing climate makes us feel and consider what can be done to reduce our carbon footprints.

Throughout our learning on climate change, children will be able to:

- Conduct and report on scientific experiments proving or disproving the greenhouse effect
- Create maps to spot patterns in countries with the smallest and largest carbon footprints
- Investigate data and consider whether all data is reliable and useful
- Create ways in which we, at Shap, can make better choices to help prevent climate change and begin to put these into action

French

This half term we will link our French work to our geography and learn about **the environment**.

We will learn how to talk about what children like to do in the garden and about the creatures that live there. We will also learn some useful vocabulary linked to rubbish and recycling, as well as learning a story which draws together vocabulary. We will also create weather reports thinking about using the correct articles and plurals.

PE

In PE this half term we will be doing **tennis** and **dance**.

In dance we will be creating a dance based on our topic of climate change. Children will work together in groups to create sections of free dance to reflect different aspects of climate change. We will also learn chorus sequences to link sections of the dance together.

In tennis, we will begin by looking at forehands and backhands and accurate volleying to a partner. We will use the tennis court at the MUGA to begin to play small matches and get children used to the ready position and basic serving techniques.

Wednesday 24th May - Action Ants Archery and Golf Festival

Computing

This term we will be looking at **programming** using Logo. We will learn about repetition and loops within programming and create programs by planning, modifying, and testing commands to create shapes and patterns. They will use Logo, a text-based programming language.

In the second half of term children will continue **programming** and will apply their skills to games. They will look at the difference between count-controlled and infinite loops, and use their knowledge to modify existing animations and games using repetition. Their final project is to design and create a game which uses repetition using Scratch.

PSHE

This term in PSHE, Helvellyn class will be going to Miss Heron in Blencathra class to learn about **fitness and nutrition** through our **Phunky Foods** programme.

In these sessions, children will learn about:

- what is needed as part of a healthy diet (including understanding calories and other nutritional content)
- the principles of planning and preparing a range of healthy meals - this ties into our design technology work on cookery and creating a healthy bolognaise

As part of each session, the children will take part in a physical activity as they learn how beneficial an active lifestyle is for their body and minds.

Music

Year 5 children will continue to learn to play the recorder on a Thursday afternoon, whilst Year 6s have their 'Buddy' time. Mrs Mephram will also be delivering music and movement sessions fortnightly and these will be based on the Charanga music scheme teaching listening and appraising, rhythm, pulse, dynamics, musical notation and performance. Our music calendar has been a huge hit and we will continue, each week, to listen and appraise different musical genres so children can gain a good depth of knowledge of different music from around the world and throughout history, and develop their musical tastes.