

Year 3

### Literacy -Hamilton and National Curriculum

Children will be developing their grammar and comprehension skills weekly. We will work on our inference skills and identify how language and structure contribute to meaning. In writing we will use further prefixes and suffixes and spell further homophones. We will be reading books by different authors and stories from other cultures. The children will continue to practise their handwriting skills and will be heard for guided reading as a group. The children will learn to write from memory, dictated by the teacher.

### Maths - White Rose/Hamilton and National Curriculum

The children will learn and be able to apply a range of skills - counting from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number -recognise the place value of each digit in a three-digit number - compare and order numbers up to 1000 - solve number problems and practical problems involving these ideas. The children will learn to recognise fractions in the context of parts of a whole, numbers, measurements, a shape, and unit fractions as a division of a quantity. The children will deepen their understanding of 2D and 3D shapes and their properties. The children will use simple scales in pictograms and bar charts with increasing accuracy.

### Science - Animals including Humans

This unit teaches the importance of the right type and amount of nutrition as well as the functions of skeletons and muscles.

### Science - Light

This 'Light' unit will teach your class about light, reflections and shadows. They will learn about different sources of light, and that we need light to see. They will develop their scientific enquiry skills, making observations, predictions and conclusions.

### Literacy -Hamilton and National Curriculum

The children will be continuing to develop reading, comprehension skills and writing in a variety of genres. Children will be introduced to non-chronological reports, myths and legends and recounts. Children will continue to look at different grammatical skills; fronted adverbials, prepositions and conjunctions. Children will edit and evaluate their work by assessing the effectiveness of their own writing and continue to proof read for grammatical, punctuation and spelling errors.

### Maths - White Rose/Hamilton and National Curriculum

The children will learn and be able to apply a range of skills - counting from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number -recognise the place value of each digit in a three-digit number - compare and order numbers up to 1000 - solve number problems and practical problems. The children will learn to recognise fractions in the context of parts of a whole, numbers, measurements, a shape. The children will deepen their understanding of 2D and 3D shapes and their properties. The children will use simple scales in pictograms and bar charts with increasing accuracy. They continue to interpret data presented in many contexts.

### Science - Rocks

In this unit, the children will discover the different types of rocks and how they are formed. They will compare and group rocks based on appearance and simple properties. The children will understand how soil is formed and then investigate the permeability of different types of soil.

### Science - Plants

This 'Plants' unit will teach the children about everything they need to know about plants. They will learn the names of different parts of plants, and the jobs they do. The children will work scientifically and collaboratively to investigate what plants need to grow well, and will present their findings to their classmates.

### Literacy -Hamilton and National Curriculum

The children will continue to develop their reading and comprehension skills. They will also practice their handwriting and continue to have guided reading as a group. The children will learn about persuasive writing, plays and dialogue and using a range of punctuation such as: inverted commas, prepositions, fronted adverbials and conjunctions. Children will continue to learn how to plan, draft, edit and evaluate their work. They will continue to proof read their work for punctuation and spelling errors.

### Maths - White Rose/Hamilton and National Curriculum

The children will learn and be able to apply a range of skills - recognise the place value of each digit in a three-digit number - compare and order numbers up to 1000 - solve number problems and practical problems involving these ideas. The children will learn to recognise fractions in the context of a division of a quantity. The children will be able to describe the properties of 2-D and 3-D shapes using accurate language, including lengths of lines and acute and obtuse for angles greater or lesser than a right angle. Pupils connect decimals and rounding to drawing and measuring straight lines in centimetres, in a variety of contexts

### Science - Forces and Magnets

This 'Forces and Magnets' unit will teach the children about forces, friction and magnetic attraction. They will learn about forces in the context of pushing and pulling, and will identify different actions as pushes or pulls. They will work scientifically and collaboratively to investigate friction, by exploring the movement of a toy car over different surfaces.

### Science - Scientists and Inventors

This 'Scientists and Inventors' unit will teach the children about famous scientists and inventors linked to the Y3 science curriculum. They will develop their scientific enquiry skills, making observations, predictions and conclusions.

### Geography - Passport around the World

The unit will encourage the development of knowledge about places and their locations. The range of activities is designed to ensure that, over time, children learn about places, where the places are and how they are connected. Year 3 will study China they will learn to locate the world's countries, using maps, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities.

### History - Anglo-Saxons and Scots

In this topic, children will find out where the Scots and Anglo-Saxons came from and where about in Britain they settled. Children will investigate how life in Britain changed as a result. Children will learn how the Anglo-Saxons influenced the English language with an emphasis on the origins of some English place names. They will also examine and analyse artefacts from the period and draw their own conclusions about what they can teach us about life in Anglo-Saxon Britain

### Art - Portraying Relationships

This autumn we will create portraits. We will begin by focusing on individual people then we will move on to groups of people. Once this has been achieved we will consider sketching people in different positions. We will also look at the effects of different mediums such as pencils, pastels and charcoal.

### DT - Packaging

By the end of the project, the children will have designed, made and evaluated their own packaging. In doing so they will have developed their understanding of 2D and 3D shapes, by using nets to create structures. The children must then use what they have learnt about design to market their product, and in doing so develop their ICT skills.

### Geography - Extreme Earth

This Extreme Earth unit will teach children about the destructive powers of nature, from volcanoes and earthquakes to tsunamis and tornadoes. Through discussion and practical tasks, children will learn about how and why these natural phenomena occur, and the ways in which they affect people and the environment.

### History - Vikings and Anglo-Saxons

This topic will teach about the raids and invasions by Vikings in Anglo-Saxon Britain. The children will learn who the Vikings were as well as when and where they raided and settled. They will learn about significant events from the period and order these chronologically on a timeline. The children will find out about the Anglo-Saxon kings who ruled during the 'Viking Age' and examine their influence and significance in British history. Children will have the opportunity to learn about different aspects of everyday Viking life, such as types of houses that the Vikings lived in, what clothes they wore and even what types of food they ate.

### Art - Investigating Patterns

In Spring 2 we will be inspired by the natural world to create patterns. This will be explored through the works of sculptors and artists, reflective walks and natural resources. We will develop sketching skills to design and create stamps inspired by these patterns. This will link to 'Other Faiths in RE' looking at Rangoli/Indian patterns.

### DT - Sandwich Snacks

Children learn basic food preparation techniques and ways of combining components to create simple food products for a particular purpose. They develop their designing skills by using their own experiences and evaluating existing products to develop ideas. Through discussion, they develop criteria for their design proposals and suggest ways to proceed. Developing skills by learning to combine components according to taste, appearance or texture to create a product that contributes to a healthy diet.

### Geography - Land Use

This unit on land use provides children with the chance to take a careful look at the places around them, and begin to look for patterns in land use. They will become cartographers, making maps of the local area, and agricultural surveyors by considering where different types of farming activities occur within the UK.

### History - Railways

Children will have the opportunity to find out about the history of the railways and significant early locomotives. They will also investigate some important historical events, such as the opening of the first passenger carrying railway lines and the Rainhill Trials. In addition, they will learn about the development of locomotive technology and examine the differences between steam, diesel and electric locomotives. The children will also learn about the growth and development of the railway network in Great Britain and use their geographical skills to map out some key routes.

### Art - Can we Change Places?

In this unit children explore sculpture in public buildings and spaces. They explore and use shape, form, colour and pattern to make a maquette or model of a sculpture for a site in the school or the local area. They compare the ideas, methods and approaches used in the work of different sculptors - looking at Giacometti Sculpture for inspiration then creating their own works of art.

### DT - Moving Monsters

To develop children's understanding of control through investigating simple pneumatic systems and designing and making a model of a monster that has moving parts controlled by pneumatics. This could be linked to stories or poems, or another purpose. A good context is toys to amuse children who are ill in bed. The designing and making assignment requires children to develop skills in working as part of a team as well as understanding and using mechanical systems in their products e.g. gears, pulleys, cams, levers and linkages.

### RE- Come and See

Domestic church family  
Baptism/confirmation belonging  
Advent/Christmas loving  
We will be exploring the Christian family and understanding the sacrament of Baptism. We will also study the faith of Judaism for two weeks across the two terms. We will move on to look at Mary Our Mother and the children will be introduced to the God's Greatest Gift books which accompany them through their First Holy Communion journey.

### PE - Team Games/Athletics

Year 3 will be taking part in games based learning; this enables the children to understand the concepts of rules and teamwork within invasion games before learning any skill-based activities. In athletics, children will concentrate on developing good basic running, jumping & throwing techniques. They are set challenges for distance and time that involve using different styles & combinations of running, jumping & throwing. As in all athletic activities, children think about how to achieve the greatest speed, height, distance or accuracy.

### Languages -Twinkl Planit - French

#### Getting to Know You

Children will learn how to greet each other, exchange names and ask how someone is. They will also learn how to count up to 10 and say how old they are

#### All about Me

Children will learn how to understand and follow simple French instructions. They will also learn names for parts of the body, identify colours and say what they are wearing

### RE- Come and See

Local church community  
Eucharist relating  
Lent/Easter giving  
During the Spring term, we will be learning about Jesus as the teacher who calls us to change and turn away from sin. Through parables and Scripture, we will experience Jesus' teachings on forgiveness and how he set the example through his own actions. We will prepare for the Sacrament of Reconciliation on our journey towards First Holy Communion.

### PE - Swimming/Invasion games

This term Year 3 will be going swimming where the children will be taught to use a range of strokes effectively and swim competently, confidently and proficiently over a distance of at least 25 metres. Year 3 will recap on the fundamental skills needed to play a range of invasion games, such as dribbling with the ball, passing and keeping possession. It also covers attacking skills, such as shooting and changing direction with the ball in football using the drag back and stop turn. Defending skills such as shadowing and tackling are also covered. Children will have the opportunity to take part in individual, paired and small group activities as well as to play a range of team games to enable them to practise and improve their skills.

### Languages -Twinkl Planit - French

#### Food Glorious Food

Children will learn the vocabulary for a range of food and express their likes and dislikes. They will also learn to count and use plural nouns.

#### Family and Friends

Children will learn how to identify and introduce family and pets and spell their names. They will also learn the names and places in their own home.

### RE- Come and See

Pentecost serving  
Reconciliation Inter-relating  
Universal Church world  
During the summer terms, we will be looking deeper into the Easter mysteries and how the disciples were changed through the gift of the Holy Spirit at Pentecost. We will be celebrating the children's 1st Holy Communion and taking time to reflect on our spiritual growth this year. We will also look towards the Sikh faith to develop our understanding and respect for other people's beliefs and practices.

### PE - Gymnastics/Dance

Year 3 will be starting units on dance and gymnastics, specifically focussing on individual and group sequencing. In gymnastics the children will be developing flexibility, strength, technique, control and balance to show development of skills through linking sequences of moves together and travelling around. In Liturgical dance, Year 4 will think about how they can link dance to our faith in Jesus Christ. They will perform dances using a range of movement patterns.

### Languages -Twinkl Planit - French

#### Our School

Children will learn key vocabulary and phrases of school places and objects.

#### Time

Children will learn to say the days of the week, months and dates and also count on from 11 to 31.

### Music - focus singing

We will develop the children's performing and composing skills through their work on tuned percussion instruments. We will also develop their listening and analytical skills through listening to and discussing a variety of music. The focus will be on improving their individual and group performances and to consolidate their understanding of the key elements of music, namely: rhythm, pulse, pitch, dynamics, tempo, duration and structure.

### Computing - Online Safety

In this unit, Year 3 are introduced to email and other forms of online communication. They will look at how to write and send emails, as well as how to decide if an email is safe to open. They will build on their existing knowledge of cyberbullying and how to deal with unkind behaviour online. The use and importance of privacy settings is introduced and children will discuss the types of information we should not share online. They will build on the idea of a digital footprint by thinking about how the adverts they see online are targeted at them. Children will finish the unit by using the knowledge they have gained to plan a party using online communication methods.

### Computing - Word Processing Skills

In this unit, Year 3 will build on the skills learnt in Years 1 and 2. In this unit, children will learn to use various features for formatting text, such as changing the case of text, aligning text, using bullets and numbering and to insert and format text boxes.

### Music - focus Singing/Composing

The children will learn how to use their voices expressively and creatively by singing songs and speaking chants and rhymes. They will play tuned and untuned instruments musically individually or as part of a group. The children will develop the skills needed to listen with concentration and understanding to a range of high-quality live and recorded music. Using all the combined skills the children will have the opportunity to experiment with, create, select and combine sounds using the inter-related dimensions of music.

### Computing- Internet Research and Communication

Children will learn how to effectively search using key words and how to safely communicate online. The lessons focused on Internet research will demonstrate the importance of word order when searching. They will also start to examine the results returned and how to distinguish between a reliable and unreliable website or webpage. Children will learn to save webpages in a browser, as well as in a file or folder. They will also understand how this can be shared with others. Children will identify ways of communicating online, how they can keep safe and the importance of being responsible while communicating online with others.

### Computing -Drawing and Desktop Publishing

In this unit, Year 3 will develop their graphic and presentation skills by introducing drawing as opposed to painting. They will also go on to further their understanding of layouts using a desktop publishing application. Children will learn to draw, order, group and manipulate objects to make a picture. They will also learn to evaluate and create effective layouts, combining text and images.

### Music - focus Singing/Composing

The children will learn how to use their voices expressively and creatively by singing songs and speaking chants and rhymes. They will play tuned and untuned instruments musically individually or as part of a group. The children will develop the skills needed to listen with concentration and understanding to a range of high-quality live and recorded music. Using all the combined skills the children will have the opportunity to experiment with, create, select and combine sounds using the inter-related dimensions of music.

### Computing - Presentation Skills

Year 3 will develop their use of presentation software. They will learn new skills: setting the theme, slide transitions, animating objects onto a slide, creating hyperlinks and adding audio and video.

### Computing - Programming Turtle Logo and Scratch

This Programming Turtle Logo and Scratch unit will teach Year 3 to create and debug algorithms. Following on from the earlier Year 2 unit on Preparing for Turtle Logo, the children use the basic commands in Logo to move and draw using the turtle on screen, and then further develop algorithms using the "repeat" command. These skills are then developed by teaching children to create algorithms in Scratch using a selection of blocks.