

Birch Class – Curriculum Overview

Autumn 1st half term

Maths	<u>Number: Place value</u>	<p>Year 1: Sort and Count objects. Recognise numbers as words. Count on from any number. Count backwards within 10, know one more and one less, compare groups by matching. Terminology: fewer, more, same, less than, greater than, equal to. Order objects and numbers and use a number line</p> <p>Year 2: Numbers to 20, count objects to 100 by making 10s. Recognise tens and ones. Use a place value chart. Partition numbers to 100. Write numbers to 100 in words. Use and estimate estimate numbers on a number line. Compare numbers, order objects and numbers. Count in 2s, 5s, 10s and 3s.</p> <p>Year 3: Hundreds, represent numbers to 1000, 100's. 10's, 1's, Number line to 1000, Find more or Less, Compare and order to 1000, Order numbers, Count in 50's</p>
	<u>Geometry: Properties of shapes</u>	<p>Year 1: Recognise, name and sort 2D and 3D shapes, make patterns</p> <p>Year 2: Recognise, count sides and vertices, sort and make patterns with 2D and 3D shapes, lines of symmetry</p> <p>Year 3: Describing position, turns and angles. Identify horizontal, vertical, perpendicular and parallel lines. 2D shapes. Count faces, vertices and edges of 3D shapes.</p>
	<u>Number: Addition and Subtraction</u>	<p>Year 1: Introduce parts and wholes, part-whole models. Write number sentences. Fact families – addition facts. Number bonds within 10. Number bonds to 10. Addition – add together, add more, problems. Find a part Subtraction, the eight subtraction facts, take away/cross out (How many left?) Take away (How many left?). Subtraction on a number line.</p> <p>Year 2: Bonds to 10 Fact families, bonds to 100 (tens). Add and subtract 1s. Add by making 10. Add three 1-digit numbers. Add to the next 10. Add across a 10. Subtract across 10 and from a 10. Know 10 more, 10 less. Subtract a 1-digit number from a 2-digit number (across a 10). Add and subtract 10s. Add two 2-digit numbers. Subtract two 2-digit numbers. Mixed addition and subtraction. Compare number sentences and missing number problems.</p> <p>Year 3: Add and subtract multiples of 100, Add and subtract 3 digit and 1 digit, Add and subtract 3 digit and 2 digit, Add and subtract 100's, Add and subtract 3 digit and 3 digit. Estimate and check answers.</p>
English	<u>Writing</u>	Our English curriculum is text driven. Each term, there will be a variety of key texts which are the stimuli for both reading and writing learning journeys. Throughout the year, the children will write for a variety of audiences and purposes applying their developing skills.
	<u>Spelling</u>	Children will be taught age related spelling patterns through Spelling Shed.
	<u>Grammar and Punctuation</u>	<p>Y1: Capital and Lowercase Letters, Verbs, Nouns, Suffixes -ing, Finger Spaces, Writing Sentences.</p> <p>Y2: Verbs, Nouns, Adjectives, Vowels and Consonants, Demarcating Sentences, Using '-ness' Punctuating Sentences</p> <p>Y3: Powerful verbs, Nouns and Pronouns, Adjectives, Vowels and Consonants, Suffixes: -ly, Past Tense.</p>

	<u>Reading</u>	We encourage reading for pleasure at different points throughout the school day and there is a class story at the end of each day. We will listen to individual readers on a frequent basis and also have a weekly guided reading lesson to develop skills such as comprehension and inference.
Science	<u>Forces</u>	<ul style="list-style-type: none"> • compare how things move on different surfaces • notice that some forces need contact between two objects, but magnetic forces can act at a distance • observe how magnets attract or repel each other and attract some materials and not others • compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials • describe magnets as having two poles <p>predict whether two magnets will attract or repel each other, depending on which poles are facing.</p>
Music	<u>In the Groove</u>	<i>"In The Groove"</i> is a song that was specially written for classroom use to teach children about different styles of music. This is a very easy song to learn and has been arranged in six different styles; Blues, Baroque, Latin, Bhangra, Folk and Funk. Each week we will listen and learn a different style of "In The Groove".
PE	<u>FUNdamentals</u>	<p>Travel/Movement Change direction, speed, strength & flow of movements. Change in speed & direction to stay with or outwit a partner.</p> <p>Balance & Shape Keep balance traveling along bench, and/or on bike, scooter. Combine moving, pausing and stillness in response to partner.</p>
	<u>Swimming</u>	Working towards developing our individual swimming skills to include: Entering the water safely, moving from a floating position on their front or back to standing. Push and glide on their front or back. Travel on their front or back for 5 meters. Float on their back and to exit the water safely.
RE	<u>Harvest:</u>	<p>How can we help those who do not have a good harvest?</p> <ul style="list-style-type: none"> • develop further pupils understanding that Harvest festivals are a traditional celebration to give thanks to God for the gifts of the harvest. • increase awareness that the food we eat is harvested and distributed all around the world • raise awareness and that in the UK our harvest is usually plenty but in some other countries around the world the harvest fails. • discuss what the response of Christians should be to the need of others. • to explore the Jewish festival of Sukkot
	<u>My world, Jesus' world</u>	<p>How is the place where Jesus lived different from where we live now?</p> <ul style="list-style-type: none"> • help children understand that Jesus lived a long time ago and that the world we live in is very different to Jesus' world over 2000 years ago • talk about the human nature and experience of Jesus as he lived in the world at that time. • to begin children on a journey of understanding that Jesus was a Jew and would have followed Jewish law and traditions.
	<u>Called by God</u>	<p>What does it mean to be called by God?</p> <ul style="list-style-type: none"> • give children an opportunity to consider what it means to be called by God • give children an opportunity to consider the responses people have made in the past and still do today when they hear a call from God • give children an opportunity to ask local clergy about their call from God to be ordained • to explore the lives and roles of Faith Leaders

Geog	<u>Climate Zones</u>	<ul style="list-style-type: none"> We will be considering the difference between weather and climate and looking at the earth to learn about latitude and see how the distance from the equator affects climate. We will compare and contrast the five main climate zones on the earth (Temperate, Tropical, Mediterranean, Polar and Arid) and consider the effects these have on different parts of the World and the people who live there.
Art	<u>Collage</u>	Children will be experimenting with different textures and materials to create different pieces of art, taking inspiration from famous artists such as Megan Coyle.
Computing	<u>Computer Science: Coding</u>	<p>Algorithms - To understand what an algorithm is and to create a computer program using an algorithm.</p> <p>Collision Detection - To create a program using a given design and to understand the collision detection event.</p> <p>Using a Timer - To understand that algorithms follow a sequence and to design an algorithm that follows a timed sequence.</p> <p>Different Object Types - To understand that different objects have different properties and to understand what different events do in code.</p> <p>Buttons - To create a program using a given design and to understand the function of buttons in a program.</p> <p>'Smelly Code' Debugging - To know what debugging means, to understand the need to test and debug a program repeatedly and to debug simple programs.</p>
	<u>Online Safety</u>	<p>Searching and Sharing - To know how to refine searches using the Search tool, to know how to share work electronically using the display boards and to use digital technology to share work on Purple Mash to communicate and connect with others locally.</p> <p>Email Using 2Respond - To introduce Email as a communication tool using 2Respond simulations, to understand how we talk to others when they are not there in front of us and to open and send simple online communications in the form of email.</p> <p>Digital Footprint - To understand that information put online leaves a digital footprint or trail. To begin to think critically about the information they leave online, and to identify the steps that can be taken to keep personal data and hardware secure</p>
PSHE	Me and My Relationships	This units teaches children how to be a good friend. We will also learn about our own feelings and self-regulation.