



Year 2 Learning Overview – Autumn Term

Science	History	Art	Music	PSHE
Animals and their Habitats (Autumn 1) Children will learn more about animal habitats and how they are suited to their environments. They will investigate different microhabitats in the local area, before studying food chains including animals and plants. Choosing Materials (Autumn 2) Children learn to identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. They will test materials suitable for specific purposes such as rockets.	The Great Fire of London (Autumn 1) Children will use a range of sources (including the eye witness, Samuel Pepys) to learn about the causes and impact of the Great Fire of London. They will take part in a History Day which gives them the opportunity to become bakers at the Pudding Lane Bakery, recreate the fire using model houses and talk to a present-day firefighter about modern firefighting methods.	Pattern study – Colours and textiles Artist Study – William Morris (Autumn 1) Children will learn how to describe and compare the works of William Morris; focusing on colour and pattern. They will develop the skills of sketching, observation and collage.	Carnival of the Animals Children will explore ways that the composer – Camille Saint-Saëns – has used instruments, rhythm, articulation, tempo, and pitch to create pictures of the animals in our imaginations. Composing Music Inspired by Birdsong Children will begin by watching and listening to birds to gather inspiration for their own compositions. They will then learn how to make their birdsong motifs and structure them into a piece.	Happiness Positive friendships Fire Safety It's Okay Not to be Okay Understanding Peer Pressure Medicines and Drugs
Computing	Geography	DT	PE	RE
Information Technology all around us Children will develop their understanding of what information technology (IT) is and will begin to identify examples. Children will investigate how IT improves our world, and learn about the importance of using IT responsibly. Digital Technology Children will learn to recognise that different devices can be used to capture photographs and will gain experience capturing, editing, and improving photos. Finally, they will use this knowledge to recognise that images they see may not be real.	Our Local Area- Making Maps (Autumn 2) Children will practise a range of field work skills including drawing their own plans and maps, and undertaking surveys of local traffic and shops.	Textiles – Puppets (Autumn 2) Children learn about the design process, including researching, designing, constructing and evaluating. Children will practise their sewing skills in this unit.	Fundamentals Children will develop the skills of balancing, running, changing direction, jumping, hopping and skipping, using a range of equipment. Fitness Children learn about how to stay fit and how to look after our bodies through exercise. Yoga Children learn about mindfulness and body awareness. They begin to learn poses and techniques that will help them to connect their mind and body.	What did Jesus teach his followers and how did he teach them? Children learn about why Christians follow Jesus. They look at parables and the miracles he performed. Children will have a good understanding of the Christian celebrations of Advent and Christmas and explore how others celebrate at this time of year.

Maths:		English:	
Number and place value Mental addition and subtraction	Estimate and count a number of objects up to 100; locate numbers on 0–100 beaded lines and 1–100 squares; compare pairs of numbers and find a number in between; order three numbers, order 2-digit numbers.	Unit 1 – Narrative: Exploring Language <i>Tell me a Dragon</i>	
Mental addition and subtraction Problem solving, reasoning and algebra	Revise number bonds to 6, 7, 8, 9 and 10; know number bonds to 10 and begin to learn related subtraction facts; know multiple of 10 number bonds to 100, learn bonds to 20, rehearse number bonds to 10 and 20 using stories	Unit 2 – Narrative: Character description and Story Structure <i>Eliot the Midnight Superhero</i>	
Mental addition and subtraction Problem solving, reasoning and algebra Measurement	Double numbers to double 15, use patterns in number bonds, use number bonds to solve more difficult additions, to subtract and to solve additions bridging 10	Unit 3 – Non-Narrative: Instruction writing <i>Fun things to Make</i>	
Geometry: properties of shapes Geometry: position and direction Measurement	Sort 2D shapes according to symmetry properties using Venn diagrams, identify right angles and sort shapes using Venn diagrams, recognise squares, rectangles, circles, triangles, ovals and hexagons, investigate which tessellate, sort shapes and objects using a two-way Carroll diagram	Unit 4 – Narrative: Diary Writing <i>The Great Fire of London</i>	
Number and place value	Begin to mark numbers on a landmarked line, compare and order numbers, using < and > signs, work systematically to find all possible inequalities, find 1 and 10 more or less using the 100-square, find 10 more and 10 less than any 2-digit number	Unit 5 – Non-Narrative and Narrative: Explanation Texts and Letter Writing <i>The Owl who was Afraid of the Dark</i> <i>A selection of Owl Non-Fiction</i>	
Mental multiplication and division Problem solving, reasoning and algebra	Know and use ordinal numbers; understand that 2-digit numbers are made from some 10s and some 1s; Understand place value using 10p and 1p coins; find and record all possible amounts using 10p and 1p coins; find 10p more and 10p less; Find 10 more and 10 less	Unit 6 – Poetry <i>The Owl and the Pussycat</i>	
Measurement Statistics	Add and subtract 10, 20 and 30 to any 2-digit number; Add and subtract 11, 21, 12 and 22 to any 2-digit number; Solve addition and subtractions by counting on and back in 10s then in 1s; solve addition and subtraction problems using concrete and pictorial representations	Class Book: <i>A selection of dragon themed stories</i> <i>Rabbit and Bear</i> <i>The Cat and The King</i> <i>The Christmasaurus by Tom Fletcher</i>	
Geometry: position and direction Measurement	Understand and use terms and vocabulary associated with position, direction and movement; Measure lengths using uniform units; Begin to measure in centimetres and metres	The vision for our school: <i>Inspiring and enabling our school community to live life to the full, promoting excellence and nurturing</i> Respect, Honesty, Compassion, Resilience, Collaboration. <i>John 10 v 10:</i> <i>Jesus said: “I have come that they might have life, and have it to the full”</i>	PE Days: Wednesdays and Thursdays
Mental multiplication and division Problem solving, reasoning and algebra	Add and subtract 2-digit numbers; Solve addition and subtraction problems using concrete and pictorial representations; Add near doubles to double 15; Add several small numbers spotting near doubles or pairs to 10, etc.		Homework: Reading at home everyday Spelling and Maths sheets will be sent home weekly
Measurement Number and place value Problem solving, reasoning and algebra Mental addition and subtraction	Count in 2s, 5s and 10s from zero; Count in multiples of 2p, 5p and 10p; Number sequences of 2s, 5s and 10s; Find the totals of coins and ways to make an amount; Use coins to make given amounts of money		Other opportunities for home learning include: Topmarks/Karate Cats Worksheets may be sent home to support and consolidate learning taking place in school.