

Clockhouse Primary School
Year 2 Curriculum Overview



TERM	AUTUMN TERM 1	AUTUMN TERM 2	SPRING TERM 1	SPRING TERM 2	SUMMER TERM 1	SUMMER TERM 2
THEME	Polar Regions		Healthy Me, Healthy Planet		Castles and Knights	
QUESTION / SCENARIO	<i>Why is it so cold in the Polar Regions and who lives there?</i>		<i>How can I be healthy?</i>	<i>What is wonderful about my world?</i>	<i>Who built castles?</i>	
STUNNING STARTER	VR Experience		Mystery person from the past suitcase reveal		Sword in the Stone	
MARVELLOUS MIDDLE	Polar Express Day		Group circuit training rotation		Use junk modelling to make a castle – Parents invited	
FABULOUS FINISH	Visit to Colchester Zoo – Penguin Workshop		Field Work Day		Trip to Colchester Castle	
POSSIBLE VISITS / VISITORS	Polar Explorer Vist Trip to Colchester Zoo – Penguin Visit		Visit to Old MacDonald's Farm Florence Nightingale Theatre Workshop		Trip to Colchester Castle Portal to the Past – Medieval Britain	
ENGLISH	<u>Core Text</u> Footprints in the Snow by Mei Matsuoka	<u>Core Text</u> Rainbow Bear by Michael Morpurgo	<u>Core Text</u> Rascally Cake by Jeanne Willis	<u>Core Text</u> Gorilla/ Little Beauty by Anthony Brown	<u>Core Text</u> Princess and the Pea	<u>Core Text</u> Zog Julia Donaldson
	<u>Genres to cover</u> Fact File Narrative	<u>Genres to cover</u> Character description Performance poetry Letter writing	<u>Genres to cover</u> Instructions writing Narrative: descriptive writing	<u>Genres to cover</u> Letter to persuade Diary Entry Story - Recount Poetry – Repeating patterns	<u>Genres to cover</u> Setting description Narrative Letter	<u>Genres to cover</u> Diary entry Information text Poem
MATHS	<p>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</p> <p>Recognise the place value of each digit in a two-digit number (tens, ones)</p> <p>Identify, represent and estimate numbers using different representations, including the number line</p> <p>Read and write numbers to at least 100 in numerals and in words</p> <p>Compare and order numbers from 0 up to 100; use <, > and = signs Use place value and number facts to solve problems.</p> <p>Solve problems with addition and subtraction:</p> <ul style="list-style-type: none"> * using concrete objects and pictorial representations, including those involving numbers, quantities and measures * applying their increasing knowledge of mental and written methods <p>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers <p>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</p> <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</p>					
MATHS	Place value	Addition and Subtraction	Multiplication and Division	Number - Fractions	Measurement	Multiplication and Division

<p>(cross curricular links)</p>	<p>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</p> <p>Compare and order numbers from 0 up to 100; use <, > and = signs</p> <p>Recognise the place value of each digit in a two-digit number (tens, ones)</p> <p>Identify, represent and estimate numbers using different representations, including the number line</p> <p>Read and write numbers to at least 100 in numerals and in words</p> <p>Use place value and number facts to solve problems.</p>	<p>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p> <p>Solve problems with addition and subtraction:</p> <ul style="list-style-type: none"> * using concrete objects and pictorial representations, including those involving numbers, quantities and measures * applying their increasing knowledge of mental and written methods <p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers <p>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</p> <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p> <p>Geometry- properties of shapes</p> <p>Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</p> <p>Compare and sort common 2-</p>	<p>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</p> <p>Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</p> <p>Measurement</p> <p>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</p> <p>Compare and order lengths, mass, volume/capacity and record the results using >, < and =</p> <p>Statistics</p> <p>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables</p> <p>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</p>	<p>Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$ of a length, shape, set of objects or quantity.</p> <p>Write simple fractions for example, $\frac{1}{2}$ of $6 = 3$ and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.</p> <p>Measurement</p> <p>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</p> <p>Compare and order lengths, mass, volume/capacity and record the results using >, < and =</p> <p>Compare and sequence intervals of time</p> <p>Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times</p> <p>Know the number of minutes in an hour and the number of hours in a day.</p> <p>Problem Solving Task:</p> <p>Shape & Measure Always, Sometimes, Never!</p>	<p>Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</p> <p>Find different combinations of coins that equal the same amounts of money</p> <p>Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</p> <p>Geometry- properties of shapes</p> <p>Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</p> <p>Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</p> <p>Identify 2-D shapes on the surface of 3-D shapes [for example, a circle on a cylinder and a triangle on a pyramid]</p> <p>Compare and sort common 2-D and 3-D shapes and everyday objects.</p> <p>Geometry- position and direction Order and arrange combinations of mathematical objects in patterns and sequences</p> <p>Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between</p>	<p>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</p> <p>Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</p> <p>Measurement</p> <p>Compare and sequence intervals of time</p> <p>Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times</p> <p>Know the number of minutes in an hour and the number of hours in a day.</p> <p>Number- fractions</p> <p>Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$ of a length, shape, set of objects or quantity.</p> <p>Write simple fractions for example, $\frac{1}{2}$ of $6 = 3$ and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.</p> <p>Problem Solving Task:</p>
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		D and 3-D shapes and everyday objects. Problem Solving Task: Investigation Missing digit	Ask and answer questions about totalling and comparing categorical data. Real life/enterprise style maths: Statistics- finding out popular toppings. Measuring ingredients to make healthy meal		rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise).	Open Ended How many different ways can you find to halve the square?
SCIENCE	Living things and their habitat	Uses of everyday materials	Animals, including humans	Animals, including humans	Living things and their habitat	Plants
COMPUTING	Computing Systems and Networks Word Processing Online Safety To know how to keep things safe and private online	Coding: Different sorts of inputs Online Safety To understand that the information I put online leaves a digital footprint.	Data and Information Pictograms Online Safety To recognise whether a website is appropriate for children To recognise when to deny permission online.		Presentation Skills Online Safety To use keywords in an online search to find key information	Coding Buttons and Instructions Online Safety To identify kind and unkind online behaviour
HISTORY	Polar Exploration		The History of Nursing		Castles	
GEOGRAPHY	Polar Regions		Healthy me; Healthy Planet		Castles	
ART AND DESIGN	Painting / Drawing Artist: Henri Matisse Ceramic artist and Sculpture: Nancy McCroskey		Drawing / Painting / Mixed Media Painter: Giuseppe Arcimboldo		Drawing / Printing / Sculpture Sculpture: John Angel	
DESIGN AND TECHNOLOGY	Structures Free standing structures (Design a piece of playground equipment)		Cooking and Nutrition Perfect Pizzas		Mechanisms Wheels and Axels	
RELIGIOUS EDUCATION	1.8 Who is Muslim and what do they believe?	1.8 Who is Muslim and what do they believe?	1.3 How do the stories of Jesus inspire Christians today?	1.1 What do Christians do at Easter and why is it important to them?	1.5 In what ways is a mosque important to believers?	1.2 Who influences our lives?
PHYSICAL EDUCATION	Autumn 1 Fundamentals Unit 4 Dance Autumn 2 Ball Skills Gymnastics		Spring 1 Invasion Dance Spring 2 Sending and Receiving Team Building		Summer 1 Striking and Fielding Fitness Summer 2 Net and Wall Athletics	
MUSIC	Sing Up Creepy Castle (Listen / Sing / Play / Compose) Christmas Songs (singing)		Sing Up Tony Chestnut (Listen / Sing / Play / Compose) Boomwhakers (Listen/Sing/Play)		Sing Up Grandma Rap (Listen / Sing) End of Year Assembly / Boomwhakers (Listen/Sing/Play)	

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