

Fairstead Community Primary and Nursery School Maths Curriculum Map 2023-24



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	<p>Nursery: Make comparisons between objects relating to size, length, weight and capacity. Extend and create ABAB patterns – stick, leaf, stick, leaf. Talk about and identifies the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. Use informal language like ‘pointy’, ‘spotty’, ‘blobs’ etc.</p> <p>Reception: Numbers to 5 Comparing groups within 5 Shape</p>	<p>Nursery: Select shapes appropriately: flat surfaces for building, a triangular prism for a roof etc Experiment with their own symbols and marks as well as numerals. Compare quantities using language: ‘more than’, ‘fewer than’.</p> <p>Combine shapes to make new ones – an arch, a bigger triangle etc.</p> <p>Reception: Shape Change within 5 Number bonds within 5 Space</p>	<p>Nursery: Recite numbers past 5. Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: ‘sides’, ‘corners’, ‘straight’, ‘flat’, ‘round’.</p> <p>Reception: Numbers to 10 Comparing numbers within 10 Addition to 10 Measure</p>	<p>Nursery: Say one number for each item in order: 1,2,3,4,5. Show ‘finger numbers’ up to 5. Understand position through words alone – for example, “The bag is under the table,” – with no pointing. Describe a familiar route. Discuss routes and locations, using words like ‘in front of’ and ‘behind’</p> <p>Reception: Number bonds to 10 Subtraction Exploring Pattern</p>	<p>Nursery: Develop fast recognition of up to 3 objects, without having to count them individually (‘subitising’).</p> <ul style="list-style-type: none"> • Know that the last number reached when counting a small set of objects tells you how many there are in total (‘cardinal principle’) <p>Begin to describe a sequence of events, real or fictional, using words such as ‘first’, ‘then...’</p> <p>Reception: Counting on and counting back Numbers to 20 Numerical patterns</p>	<p>Nursery: Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5. Solve real world mathematical problems with numbers up to 5. Notice and correct an error in a repeating pattern</p> <p>Reception: Shape Measure Sorting Time</p>
Year 1	<p>Numbers to 10 Part-whole within 10 Addition and subtraction within 10</p> <ul style="list-style-type: none"> -sorting objects -counting to 10 -writing numbers to 1 -one more/one less -comparing groups -1st, 2nd, 3rd -related facts -number bonds -adding together 	<p>Addition and subtraction within 10 2D and 3D shapes Numbers to 20 Consolidation numbers to 10</p> <ul style="list-style-type: none"> -subtraction- counting back, finding the difference -solving word problems -naming 3D shapes 	<p>Addition within 20 Subtraction within 20 Numbers to 50</p> <ul style="list-style-type: none"> -add by counting on -adding ones -finding number bonds -add by making 10 -subtracting ones -subtracting tens and ones -subtraction- crossing the ten 	<p>Introducing length and height Introducing weight and volume</p> <ul style="list-style-type: none"> -comparing lengths and heights -non-standard units of measurement -measuring length with a ruler -solving length word problems -comparing weight 	<p>Numbers to 50 Multiplication Division Halves and quarters Position and direction</p> <ul style="list-style-type: none"> -counting in 2s -counting in 5s -counting in 10s, 5s and 2s -making equal groups -adding equal groups -making simple arrays -making doubles -sharing equally 	<p>Numbers to 100 Money Time</p> <ul style="list-style-type: none"> -counting to 100 -exploring number patterns -partitioning numbers -comparing numbers -ordering numbers -recognising coins -recognising notes -counting with coins -using before and after -using a calendar

	<ul style="list-style-type: none"> -adding more 	<ul style="list-style-type: none"> -naming 2D shapes -making patterns with shapes -counting and writing numbers to 20 -tens and ones -one more and one less -comparing numbers -ordering numbers 	<ul style="list-style-type: none"> -comparing additions and subtractions -counting to 50 -numbers to 50 -tens and ones -representing numbers to 50 -comparing numbers of objects -ordering numbers and objects -counting in 2s -counting in 5s 	<ul style="list-style-type: none"> -measuring weight -comparing weight using measuring -comparing capacity -measuring capacity -comparing capacity using measuring -solving weight and capacity word problems 	<ul style="list-style-type: none"> -finding halves -finding quarters -solving word problems- halves and quarters -describing turns -describing positions 	<ul style="list-style-type: none"> -telling time to the hour -telling time to the half hour -writing time -comparing time -solving time word problems
Year 2	<p>Numbers to 20 Numbers to 50 Numbers to 100 Multiplication Addition and subtraction Addition within 20 Subtraction within 20</p> <ul style="list-style-type: none"> -counting and writing numbers to 20 -tens and ones -numbers to 50 -comparing numbers -counting objects to 100 -representing numbers to 100 -numbers on a place value grid -ordering numbers -counting in 2s, 5s and 10s - counting in 3s -addaion and subtraction related facts -comparing number facts -related number facts 	<p>Addition and subtraction Addition within 20 Money Division Multiplication and division Multiplication</p> <ul style="list-style-type: none"> -adding two 2-digit numbers -subtracting a 2-digit number from another 2 d-digit number - finding number bonds -making number bonds to 100 -adding three 1-digit numbers -recognising coins -counting money -showing equal amounts of money -comparing amounts of money -calculating totals -finding change -solving two-step word problems 	<p>Multiplication and division Multiplication Division Statistics</p> <ul style="list-style-type: none"> -making equal groups -adding equal groups -multiplication sentences -using arrays -making doubles -2 times table -5 times table -10 times table -sharing equally -bar modelling- sharing -bar modelling- grouping -sharing and grouping -dividing by 2 -odd and even numbers -dividing by 5 -dividing by 10 -making tally charts -creating pictograms -interpreting pictograms -block diagrams 	<p>Properties of shapes Fractions</p> <ul style="list-style-type: none"> -recognising 2D and 3D shapes -counting sides on 2D shapes -counting vertices on 2D shapes -drawing 2D shapes -finding lines of symmetry- sorting 2D shapes -making patterns with 2D shapes -counting faces on 3D shapes -counting edges on 3D shapes -counting vertices on 3D shapes -sorting 3D shapes -making patterns with 3D shapes -introducing whole and parts -making equal parts -recognising a half -finding a half -recognising a quarter -finding a quarter -unit fractions 	<p>Introducing length and height Position and direction Time</p> <ul style="list-style-type: none"> -comparing lengths and heights -non-standard units of measure -measuring length using a ruler -measuring in centimetres -measuring in metres -comparing lengths -ordering lengths -solving length word problems -describing positions -describing movements - describing turns -describing movement and turns -making patterns with shapes -telling time to the hour -telling time to the half hour -telling and writing time to the hour and half hour -telling time to the quarter hour -telling time to 5 minutes 	<p>Time Introducing weight and volume Weight, volume and temperature Problem solving and efficient methods</p> <ul style="list-style-type: none"> -writing time -hours in a day -finding durations of time -comparing weight -measuring weight -comparing mass -measuring mass in grams -measuring mass in kilograms -comparing capacity -measuring capacity -comparing volume -measuring volume in millilitres -measuring volume in litres -solving problems using the four operations -measuring temperature with a thermometer -reading thermometers

	<ul style="list-style-type: none"> -making number bonds to 100 -findin 10 more and 10 less -adding a 2 digit and 1 digit number -subratction- crossing the ten -subtrcting a one digit number from a two digit number 	<ul style="list-style-type: none"> -making equal groups - making simple arrays 		<ul style="list-style-type: none"> -understanding other fractions -1/2 and 2/4 -finding $\frac{3}{4}$ -counting in halves -counting in quarters 		
Year 3	<p>Numbers to 100 Place value within 1000 Addition and subtraction</p> <ul style="list-style-type: none"> -representing numbers to 100 -tens and ones -counting in 100s -representing numbers to 1000 -100s, 10s and 1s -comparing numbers -the number line to 1000 -ordering numbers to 1000 -finding 1, 10, 100 more or less -counting in 50s -adding and subtracting 100s -adding and subtracting ones -adding and subtracting a 3 -digit number and 1s -adding a 2-digit and 1-digit number 	<p>Addition and subtraction Multiplication and division</p> <ul style="list-style-type: none"> -subtracting a 3-digit number from a 3-digit number -estimating answers to additions and subtractions -checking strategies -multiplication with equal grouping -multiplication sentences -using arrays -times table -5 times table -making equal groups -bar modelling-sharing -bar modelling-grouping -dividing by 2 -dividing by 5 -dividing by 10 -multiplying by 3 -dividing by 3 -3 times table -multiplying by 4 -dividing by 4 -4 times table 	<p>Multiplication and division Money Statistics</p> <ul style="list-style-type: none"> -2 times table -5 times table -10 times table -comparing multiplication and division statements -related multiplication calculations -multiplying a 2-digit number by a 1-digit number -dividing a 2-digit number by a 1-digit number -problem solving-mixed problems -how many ways -counting money- coins -counting money-notes -pounds and pence -converting pounds and pence -adding money -subtracting amounts of money -problem solving-money 	<p>Length and height Fractions</p> <ul style="list-style-type: none"> -measuring length -measuring in metres -equivalent lengths- metres and centimetres - equivalent lengths- centimetres and millimetres -comparing lengths -adding lengths -subtracting lengths -measuring the perimeter -problem solving- length -introducing whole and parts -making equal parts -recognising a half -finding a half -recognising a quarter -finding a quarter -unit fractions -understanding other fractions -1/2 and 2/4 -counting in halves -counting in quarters 	<p>Fractions Time Angles and properties of shape</p> <ul style="list-style-type: none"> -making the whole -tenths -fractions as numbers -fractions as a set of objects -equivalent fractions -comparing fractions -comparing and ordering fractions -adding fractions -subtracting fractions -telling and writing the time to the hour and half hour -telling the time to the quarter hour -months and years -hours in a day -telling time to 5 minutes -telling the time to the minute -finding the duration -comparing the duration -finding start and end times -measuring time in seconds -turns and angles -right angles in shapes -comparing angles -drawing accurately 	<p>Angles and properties of shape Mass Weight, volume and temperature Capacity</p> <ul style="list-style-type: none"> --types of line -recognising and describing 2D shapes -recognising and describing 3D shapes -constructing 3D shapes -measuring mass -comparing mass -comparing masses -adding and subtracting masses -measuring capacity -comparing volume -comparing capacities -adding and subtracting capacities -measuring temperature using a thermometer -reading thermometers

<ul style="list-style-type: none"> -subtracting a 1-digit number from a 2-digit number -subtracting 1s from a 3-digit number -adding and subtracting a 3-digit number and 10s -adding a 3-digit number and 10s -subtracting 10s from a 3-digit number -adding and subtracting 100s -addition and subtraction patterns -adding two 2-digit numbers -subtracting a 2-digit number from another 2-digit number -problem solving- addition and subtraction -adding and subtracting a 3-digit number and a 2-digit number -adding a 3-digit and 2-digit number -subtracting a 2-digit number from a 3-digit number -adding two 3-digit numbers 	<ul style="list-style-type: none"> -multiplying by 8 -dividing by 8 -8 times table 	<ul style="list-style-type: none"> -making tally charts -creating pictograms -interpreting pictograms -bar charts -tables 			
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<p>Year 4</p>	<p>Place value within 1000 Place value- 4-digit numbers Addition and subtraction</p> <ul style="list-style-type: none"> -representing numbers to 1000 -100s, 10s and 1s -the number line to 1000 -rounding to the nearest 10 Rounding to the nearest 100 -counting in 1000s -representing 4-digit numbers -1000s, 100s, 10s and 1s -the number line to 10,000 -finding 1,10,100 more or less -finding 1000 more or less -comparing 4-digit numbers -ordering numbers to 10,000 -rounding to the nearest 1000 -counting in 25s -negative numbers -roman numerals -adding and subtracting 1s,10s,100s,1000s -adding two 3-digit numbers -adding two 4-digit numbers 	<p>Length Measure- perimeter Multiplication and division</p> <ul style="list-style-type: none"> -equivalent lengths- metres and centimetres -equivalent lengths- centimetres and millimetres -kilometres -adding lengths -subtracting lengths -measuring the perimeter -perimeter of a rectangle -perimeter of rectilinear shapes -multiplying by multiples of 10 and 100 -dividing multiples of 10 and 100 -multiplying by 0 and 1 -dividing by 1 -multiplying by 3 -dividing by 3 -3 times table -multiplying and dividing by 6 -6 times table -multiplying and dividing by 9 -9 times table -multiplying and dividing by 7 -7 times table 	<p>Multiplication and division Measure- area Fractions</p> <ul style="list-style-type: none"> -11 and 12 times tables -multiplying more than 2 numbers -using written methods to multiply -multiplying a 2-digit number by a 1-digit number -multiplying a 3-digit number by a 1-digit number -dividing a 2-digit number by a 1-digit number -dividing a 3-digit number by a 1-digit number -problem solving- division -what is area? -counting squares -making shapes -comparing area -unit fractions -understanding other fractions -tenths -equivalent fractions -fractions greater than 1 	<p>Fractions Decimals</p> <ul style="list-style-type: none"> -adding fractions -subtracting fractions -problem solving- adding and subtracting fractions -fractions of measures -calculating fractions of a quantity -problem solving- fractions of a quantity -tenths -dividing by 10 -hundredths -dividing by 100 	<p>Addition and subtraction Decimals Money Time Statistics</p> <ul style="list-style-type: none"> -making number bonds to 100 -making a whole -writing decimals -comparing decimals -ordering decimals -rounding decimals -halves and quarters -pounds and pence -ordering amounts of money -rounding money -using rounding to estimate -converting pounds and pence -adding money -subtracting amounts of money -problem solving-money -problem solving-pounds and pence -problem solving-multiplication and division -solving two step problems -telling the time to 5 minutes -telling the time to the minute -units of time -converting times -charts and tables -line graphs 	<p>Angles and properties of shapes Geometry- angles and 2D shapes Geometry- position and direction</p> <ul style="list-style-type: none"> -turns and angles -right angles in shapes -comparing angles -identifying angles -comparing and ordering angles -recognising and describing 2D shapes -classifying triangles -classifying and comparing quadrilaterals -lines of symmetry inside a shape -types of line -lines of symmetry outside a shape -completing a symmetric figure -describing position -drawing on a grid -moving on a grid -describing a movement on a grid
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	<ul style="list-style-type: none"> -adding two 3-digit numbers -adding two 4-digit numbers -subtracting a 3-digit number from a 3-digit number -subtracting two 4-digit numbers -subtracting a 3-digit number from a 3-digit number -subtracting two 4-digit numbers -estimating answers to additions and subtractions -checking strategies 					
Year 5	<p>Place value- 4-digit numbers Place value within 100,000 Place value within 1,000,000 Addition and subtraction Statistics Graphs and tables</p> <ul style="list-style-type: none"> -1000s, 100s, 10s and 1s -numbers to 10,000 -rounding to the nearest 10 - rounding to the nearest 100 -rounding to the nearest 10,000 and 1000 -the number line to 100,000 	<p>Multiplication and division Measure- area and perimeter</p> <ul style="list-style-type: none"> -multiples -factors -using factors -prime numbers - squares -cubes -multiplying by multiples of 10 and 100 -multiplying whole numbers by 10, 100 and 1000 -dividing multiples of 10 and 100 -dividing whole numbers 10, 100 and 1000 -multiplying and dividing by multiples of 10, 100 and 1000 	<p>Multiplication and division Fractions</p> <ul style="list-style-type: none"> -multiplying a 2-digit number by a 1-digit number -multiplying a 3-digit number by a 1-digit number -multiplying numbers up to 4-digits by a 1-digit number -multiplying 2-digit numbers -multiplying a 3-digit number by a 2-digit number -multiplying a 4-digit number by a 2-digit number -dividing a 2-digit number by a 1-digit number 	<p>Fractions Decimals and percentages</p> <ul style="list-style-type: none"> -adding fractions -adding and subtracting fractions -adding fractions -subtracting fractions -multiplying fractions -calculating fractions of a quantity -calculating fractions of amounts -using fractions as operators -problem solving- mixed word problems -writing decimals -decimals as fractions -undersdtanding thousandths -writing thousandths as decimals -rounding decimals 	<p>Decimals Geometry- angles and 2D shapes Geometry- properties of shapes</p> <ul style="list-style-type: none"> -Adding and subtrating decimals -problem solving- decimals -decimal sequences -multiplying decimals by 10, 100 and 1000 -identifying angles -comparingg and ordering angles -measuring angles in degrees -measuring with a protractor -classifying triangles -classifying and comparing quadrilaterals -calculating lengths and angles in shapes -regular and irregular polygons -reasoning about 3D shapes 	<p>Geometry- position and direction Measure- perimeter Measure- converting units Measure- volume and capacity</p> <ul style="list-style-type: none"> -describing position -drawing on a grid -reasoning on a grid -translation -lines of symmetry inside a shape -lines of symmetry outside a shape -completing a symmetrical figure -reflection -reflection with coordinates -kilometres -metric units -imperial units of length -imperial units of mass -imperial units of capacity -converting units of time

	<ul style="list-style-type: none"> -comparing and ordering numbers to 100,000 -rounding numbers within 100,000 -number line to 1,000,000 -100,000s, 10,000s, 1,000s, 100s and 1s -comparing and ordering numbers to 1,000,000 -rounding numbers to a 1,000,000 -negative numbers -Roman numerals to 10,000 -adding two 4-digit numbers -adding whole numbers with more than 4 digits -subtracting two 4-digit numbers -subtracting whole numbers with more than 4-digits -using rounding to estimate and check answers - problem solving- addition and subtraction -charts and tables -line graphs -interpreting line graphs -drawing line graphs -interpreting tables -two-way tables 	<ul style="list-style-type: none"> -measuring perimeter -perimeter of a rectangle -perimeter of rectilinear shapes -calculating perimeter -counting squares -calculating area -comparing area -estimating area 	<ul style="list-style-type: none"> -dividing a 3-digit number by a 1-digit number - dividing a 4-digit number by a 1-digit number -division with remainders -equivalent fractions -fractions greater than 1 -converting improper fractions to mixed numbers -mixed number improper fractions -number sequences -comparing and ordering fractions -adding fractions -adding and subtracting fractions 	<ul style="list-style-type: none"> -ordering and comparing decimals -understanding percentages -percentages as fractions and decimals -equivalent fractions, decimals and percentages 		<ul style="list-style-type: none"> -timetables -what is volume? -comparing volumes -estimating volume -estimating capacity
Year 6	Place value within 100,000	Four operations Fractions	Decimals and percentages Algebra	Measure- perimeter, area and volume	Geometry- properties of shapes Problem solving	Consolidations, investigations and preparations for KS3

<p>Place value within 1,000,000 Place value within 10,000,000 Addition and subtraction Multiplication and division Four operations</p> <p>-numbers to 10,000 -the number line to 100,000 -number line to 1,000,000 -numbers to 10,000,000 -comparing and ordering numbers to 10,000,000 -rounding to the nearest 10, 100 and 1000 -rounding numbers -negative numbers -adding whole numbers with more than 4 digits -subtracting whole numbers with more than 4-digits -using inverse operations -problem solving- addition and subtraction -problem solving- using written methods of addition and subtraction -multiplying numbers up to 4 digits by a 1-digit number</p>	<p>Geometry- position and direction</p> <p>-reasoning from known facts -equivalent fractions -converting improper fractions to mixed numbers -converting mixed numbers to improper fractions -fractions on a number line -comparing and ordering fractions -adding and subtracting fractions -problem solving- adding and subtracting fractions -multiplying a fraction by a whole number -multiplying a fraction by a fraction -dividing a fraction by a whole number -dividing a fraction by a whole number -four rules with fractions -calculating fractions of amounts -problem solving- fractions of amounts -plotting coordinates in the first quadrant -plotting coordinates -plotting translations and reflections</p>	<p>Measure- imperial and metric measures</p> <p>-writing decimals -understanding thousandths -decimals as fractions -multiplying by 10, 100 and 1000 -dividing by multiples of 10, 100 and 1000 -multiplying decimals -dividing decimals -decimals as fractions -fractions as decimals -understanding percentages -converting fractions to percentages -equivalent fractions, decimals and percentages -percentage of -finding missing values -finding a rule -using a rule -formulae -solving equations</p>	<p>Measure- volume and capacity Ratio and proportion Statistics Geometry- properties of shapes</p> <p>-metric measures -converting metric measures -problem solving- metric measures -miles and km -imperial measures -shapes with the same area -area and perimeter -area of a triangle -area of a parallelogram - what is volume? -volume of a cuboid -ratio -scale drawings -scale factors -problem solving- ratio and proportion -interpreting line graphs -constructing line graphs -parts of circle -reading and interpreting pie charts -fractions and pie charts -the mean</p>	<p>Consolidation</p> <p>-measuring with a protractor -drawing lines and angles accurately -measuring angles in degrees -calculating angles on a straight line -calculating angles around a point -vertically opposite angles -angles in triangles -angles in polygons -drawing shapes accurately -nets - problem solving -consolidation</p>	
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<ul style="list-style-type: none">-multiplying 2-digit numbers-multiplying a 3-digit number by a 2-digit number-multiplying numbers up to 4 digits by a 2-digit number-dividing up to a 4-digit number by a 1-digit number-division with remainders-dividing numbers up to 4 digits by a 2-digit number-factors-common factors-common multiples-recognising prime numbers up to 100-squares and cubes-order of operations-mental calculations					
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