



Key Stage	Year Group	Subject	Teacher	Programme of Study		
LKS2	3 & 4	Maths	Miss Macey	KS2 Curriculum		
Autumn a		Autumn b	Spring a	Spring b	Summer a	Summer b
Topic(s)		Topic(s)	Topic(s)	Topic(s)	Topic(s)	Topic(s)
YEAR 3						
<ul style="list-style-type: none"> Number and place value Up to 3-digit 	<ul style="list-style-type: none"> Addition and Subtraction Up to 3-digits Word problems CONSOLIDATION 	<ul style="list-style-type: none"> Multiplication and Division 3, 4, 8 times tables Multiplying and dividing 2-digit x 1-digit CONSOLIDATION 	<ul style="list-style-type: none"> Mass, Capacity and Length Add, subtract, measure and compare (m, cm, mm, kg, g, l, ml) Perimeter of 2D shapes 	<ul style="list-style-type: none"> Decimals Introduction to simple decimals CONSOLIDATION 	<ul style="list-style-type: none"> Geometry Draw 2D shapes Make 3D shapes with models Recognise angles Right angles Horizontal and vertical lines 	
<ul style="list-style-type: none"> Addition and subtraction Up to 3-digits Word problems 	<ul style="list-style-type: none"> Multiplication and division 3, 4, 8 times tables Multiplying and dividing 2-digit x 1-digit 	<ul style="list-style-type: none"> Fractions Count up and down in tenths Add and subtract fractions with the same denominator Equivalent fractions (small denominators) 	<ul style="list-style-type: none"> Decimals Introduction to simple decimals 	<ul style="list-style-type: none"> Money and Time Add and subtract amount of money to give change Reading analogue clocks Roman numerals Months in a year Days in a month Durations of events 	<ul style="list-style-type: none"> Statistics Bar charts, pie charts, pictograms and tables One-step and two-step problems 	
YEAR 4						
<ul style="list-style-type: none"> Number and place value Up to 4 digits 	<ul style="list-style-type: none"> Addition and Subtraction Up to 4-digits Word problems (2 step) CONSOLIDATION 	<ul style="list-style-type: none"> Multiplication and Division Up to 12 times tables Multiplying and dividing 2-digit and 3-digit x 1-digit CONSOLIDATION 	<ul style="list-style-type: none"> Mass, Capacity and Length Convert between units of measure Perimeter and area of rectangles 	<ul style="list-style-type: none"> Decimals Finding the value of tenths and hundredths Rounding decimals Compare numbers with decimals CONSOLIDATION 	<ul style="list-style-type: none"> Geometry Compare and classify geometric shapes Acute and Obtuse angles Lines of symmetry Positions and coordinates within a grid Movements of positions (transition) Plotting points on a grid 	

<ul style="list-style-type: none"> Addition and Subtraction Up to 4-digits Word problems 	<ul style="list-style-type: none"> Multiplication and division Up to 12 times tables Multiplying and dividing 2-digit and 3-digit x 1-digit 	<ul style="list-style-type: none"> Fractions Count up and down in hundredths Add and subtract fractions with the same denominator Equivalent fractions ($\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$) 	<ul style="list-style-type: none"> Decimals Finding the value of tenths and hundredths Rounding decimals Compare numbers with decimals 	<ul style="list-style-type: none"> Money and Time Estimate, compare and calculate word problems with money Convert time between 12-hour analogue and 24-hour digital time Solve problems – hours to minutes, minutes to seconds, years to months, weeks to days 	<ul style="list-style-type: none"> Statistics Discrete and continuous data Comparison, sum and difference problems
Assessment Tasks	Assessment Tasks	Assessment Tasks	Assessment Tasks	Assessment Task	Assessment Tasks
Children will identify and represent numbers using different representations	Children will recap and use addition and subtraction within problem solving and reasoning questions	Children will explain the similarities and differences between unit and non-unit fractions	Children will link fractions to decimals, words and pictorial representations	Children will match and comparing money	Children will read graphs with different scaled representations
Children will solve addition and subtraction calculations up to 4-digits	Children will recall multiplication and division facts up to 12x12	Children will solve problems (always, sometimes, never) to demonstrate an understanding of an amount	Children will use a part-whole model to represent $\frac{1}{10}$	Children will understand time on an analogue clock	Children will recognise angles as a measure of turn
Personal Development/CEIAG	Personal Development/CEIAG	Personal Development/CEIAG	Personal Development/CEIAG	Personal Development/CEIAG	Personal Development/CEIAG
Children will discuss the cultural impact that the Romans have had exploring concepts such as: <ul style="list-style-type: none"> Numbers as a universal language Value 	Children will explore the correlation between multiplication and division within everyday life. They will also explore concepts such as: <ul style="list-style-type: none"> Life skills problems Determination 	Pupils will develop an understanding of the practical uses of fractions in everyday life. They will make connections between fractions and sharing.	Children will begin to understand the role that mass and capacity has in the real world. Pupils will choose appropriate measures for items.	Children will be encouraged to tell the time at different points through the day.	Children will discuss the practicality of different shapes in the real world.
Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing
Children will have opportunities to write throughout the term including writing number sentences	Children will have opportunities to write throughout the term including writing number problems	Children will read and write problems, which require a calculation to be identified	Children will follow recipes and instructions, involving mass and capacity	Children will read a variety of word problems	Children will follow a specification to design a house, with specific dimensions
Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening
Children will have lots of S&L opportunities throughout the term including discussions and mathematical debates	Children will have lots of S&L opportunities throughout the term including presenting their work to adults	Children will work with peers to solve problems and find the most effective means of calculations	Children will articulate justifications relating to mass and capacity when following a recipe	Children will discuss strategies to solve given reasoning problems	Children will work with a partner to develop an understanding of angles, by following a specific route

Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning
Children will use numeracy and mathematical reasoning throughout each lesson	Children will use numeracy and mathematical reasoning throughout each lesson	Children will solve problems which require the calculation to be identified, checking for errors and break down problems into smaller parts	Children will make estimations and justifications and identify patterns	Children will use their new learning to role play a shop	Children will make estimations and justifications and identify patterns and trends in a piece of data
Creative Media	Creative Media	Creative Media	Creative Media	Creative Media	Creative Media
Children will use iPads and the IWB throughout the term	Children will use Kahoot to answer quiz questions and complete interactive games on Education City	Children will use interactive games (Hit the Button) and interactive starters and plenaries	Children will use iPads – interactive activities and apps to develop SK and develop angles and direction using floor robots and apps	Children will read transport timetables, solve real-life problems and use the internet to research different prices	Children will writing questionnaires, producing and analysing graphs and use cameras to explore angles