Year 3

Maths Overview 2020

Adapted following school closure as a result of Covid-19

Red text represents objectives not covered in previous year group

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Mental Objectives
Autumn	Year 3 settling in week	Number - Place Value				Number – Addition and Subtraction (inc problem solving)					Number – Multiplication and Division		Assessment	Number – Multiplication and Division		Consolidation	◦ Recognising fractions of ½, ¼, 1/3 ◦ Reading time to 5 minute intervals ◦ Measure length. Order and compare length. ◦ Properties of shapes - 2D
Autumn		Measures – Time Y2							Number – Fractions Y2							
Spring	Number – Multiplication and Division				Measurement: Money	Statistics	Measurement: Length and Perimeter	Measurement: Time		Number - Fractions	Assessment	Number - Fractions				◦ Properties of shapes – 3D ◦ Fractions ◦ Revise place value ◦ Revise addition and subtraction ◦ Revise multiplication and division
Spring	Measures – Length Y2					Geometry – Properties Y2										
Summer	Number - Fractions			Measurement: Time		Geometry: Properties of shape		Measurement: Mass and Capacity	Number: Problem solving using all four operations		Assessment	Number: Problem solving	Consolidation			◦ arithmetic – fluent in 5 ◦ time – nearest minute ◦ length and perimeter ◦ Statistics ◦ money ◦ Fractions
Summer	Measures – mass and capacity Y2															

Autumn Term

Time

- 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.
- Know the number of minutes in an hour and the number of hours in a day.
- Compare and sequence intervals of time.

Fractions

- Recognise, find, name and write fractions 1/2, 1/3, 1/4 , 2/4 and 3/4 of a length, shape, set of objects or quantity.
- Write simple fractions for example, 12 of 6 = 3 and recognise the equivalence of 2/4 and 1/2

Block 1: Place Value

- Identify, represent and estimate numbers using different representations.
- Find 10 or 100 more or less than a given number.
- Recognise the place value of each digit in a three-digit number (hundreds, tens, ones).
- Compare and order numbers up to 1000
- Read and write numbers up to 1000 in numerals and in words.
- Solve number problems and practical problems involving these ideas.
- Count from 0 in multiples of 4, 8, 50 and 100

Block 2: Addition and subtraction

- Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds.
- Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.
- Estimate the answer to a calculation and use inverse operations to check answers.
- Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

Block 3: Multiplication and Division

- Count from 0 in multiples of 4, 8, 50 and 100
- Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
- Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.
- Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.

Spring Term

Consolidation units (Year 2 objectives):

Length and perimeter

- Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); to the nearest appropriate unit, using rulers, scales, and measuring vessels.
- Compare and order lengths and record the results using >, < and =.

Geometry – properties of shape

- Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.
- Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.
- Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.]
- Compare and sort common 2-D and 3-D shapes and everyday objects.

Block 1: Multiplication and Division

- Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
- Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two digit numbers times one-digit numbers, using mental and progressing to formal written methods.
- Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Block 2: Number – Money

- Add and subtract amounts of money to give change, using both £ and p in practical contexts.

Block 3: Statistics

- Interpret and present data using bar charts, pictograms and tables.
- Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.

Block 4: Length and perimeter

- Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
- Measure the perimeter of simple 2D shapes.

Block 5: Time

- Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks.
- Estimate and read time with increasing accuracy to the nearest minute.
- Record and compare time in terms of seconds, minutes and hours.
- Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.
- Know the number of seconds in a minute and the number of days in each month, year and leap year.
- Compare durations of events [for example to calculate the time taken by particular events or tasks].

Block 6: Fractions

- Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10
- Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.
- Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.
- Solve problems that involve all of the above.

Summer Term

Consolidation unit (Year 2 objectives):

Measurement – mass and capacity

- Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels
- Compare and order mass, volume/capacity and record the results using >, < and =

Block 1: Fractions

- Recognise and show, using diagrams, equivalent fractions with small denominators.
- Compare and order unit fractions, and fractions with the same denominators.
- Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7]
- Solve problems that involve all of the above.

Block 2: Time

- Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks.
- Estimate and read time with increasing accuracy to the nearest minute.
- Record and compare time in terms of seconds, minutes and hours.
- Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.
- Know the number of seconds in a minute and the number of days in each month, year and leap year.
- Compare durations of events [for example to calculate the time taken by particular events or tasks].

Block 3: Geometry – properties of shape

- Recognise angles as a property of shape or a description of a turn.
- Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle.
- Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
- Draw 2-D shapes and make 3-D shapes using modelling materials.
- Recognise 3-D shapes in different orientations and describe them.

Block 4: Measurement – mass and capacity

- Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml)

Block 5: Number – Problem solving using all four operations

- Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
- Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.
- Add and subtract amounts of money to give change, using both £ and p in practical contexts.