

Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 1</b> <b>Week 1</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</li><li>count, read and write numbers to 100 in numerals</li><li>given a number, identify one more and one less</li><li>identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li><li>read and write numbers from 1 to 20 in numerals</li><li>practising ordering [first, second, third] *</li></ul>	<b>Unit 1</b> <b>Week 1</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>recognise the place value of each digit in a two-digit number (tens, ones)</li><li>identify, represent and estimate numbers using different representations, including the number line</li><li>compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</li><li>read and write numbers to at least 100 in numerals and in words</li><li>use place value and number facts to solve problems</li></ul>
<b>Unit 1</b> <b>Week 2</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs</li><li>represent and use number bonds and related subtraction facts within 20</li></ul>	<b>Unit 1</b> <b>Week 2</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>recall and use addition and subtraction facts to 20 fluently</li><li>show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li><li>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</li></ul>

\* National curriculum Notes and guidance (non-statutory)

Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 1</b> <b>Week 3</b>	<b>Geometry – Properties of shapes</b> <ul style="list-style-type: none"><li>recognise and name common 2-D shapes, including:<ul style="list-style-type: none"><li>2-D shapes [for example, rectangles (including squares), circles and triangles]</li></ul></li></ul>	<b>Unit 1</b> <b>Week 3</b>	<b>Geometry – Properties of shapes</b> <ul style="list-style-type: none"><li>identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</li><li>compare and sort common 2-D shapes</li><li>draw lines and shapes using a straight edge *</li></ul>
<b>Unit 2</b> <b>Weeks 1 and 2</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs</li><li>represent and use number bonds and related subtraction facts within 20</li><li>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems, such as <math>7 = \square - 9</math></li></ul>	<b>Unit 2</b> <b>Weeks 1 and 2</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>solve problems with addition and subtraction:<ul style="list-style-type: none"><li>using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li><li>applying their increasing knowledge of mental methods</li></ul></li><li>recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</li><li>recognise and use the inverse relationship between addition and subtraction and use this to solve missing number problems</li></ul>

\* National curriculum Notes and guidance (non-statutory)

# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 2</b> <b>Week 3</b>	<b>Measurement (length and height)</b> <ul style="list-style-type: none"><li>compare, describe and solve practical problems for lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]</li><li>measure and begin to record lengths and heights</li></ul>	<b>Unit 2</b> <b>Week 3</b>	<b>Measurement (length and height)</b> <ul style="list-style-type: none"><li>choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers</li><li>compare and order lengths and record the results using &gt;, &lt; and =</li></ul>

\* National curriculum Notes and guidance (non-statutory)

Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
National Curriculum attainment targets Pupils should be taught to:		National Curriculum attainment targets Pupils should be taught to:	
Unit 3 Week 1	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count in multiples of twos, fives and tens</li></ul>	Unit 3 Weeks 1 and 2	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count in steps of 2 and 5 from 0, forwards and backwards</li></ul> <b>Number – Multiplication and division</b> <ul style="list-style-type: none"><li>calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (<math>=</math>) signs</li><li>show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li><li>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</li></ul>
Unit 3 Week 2	<b>Number – Multiplication and division</b> <ul style="list-style-type: none"><li>solve one-step problems involving multiplication and division by calculating the answer using concrete objects, pictorial representations and arrays, with the support of the teacher</li><li>understand multiplication and division through grouping and sharing small quantities *</li></ul>		
Unit 3 Week 3	<b>Geometry – Position and direction</b> <ul style="list-style-type: none"><li>describe position, direction and movement, including whole, half, quarter and three-quarter turns</li></ul>	Unit 3 Week 3	<b>Geometry – Position and direction</b> <ul style="list-style-type: none"><li>order and arrange combinations of mathematical objects in patterns and sequences</li><li>use mathematical vocabulary to describe position, direction and movement, including movement in a straight line</li></ul>

\* National curriculum Notes and guidance (non-statutory)

Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 4 Week 1</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs</li><li>represent and use number bonds and related subtraction facts within 20</li><li>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \square - 9</math></li></ul>		Refer to the following unit to consolidate Year 2 attainment targets taught in the previous unit on Number – Addition and subtraction: <ul style="list-style-type: none"><li>Unit 2, Weeks 1 and 2</li></ul>
Refer to the following unit to consolidate Year 1 attainment targets taught in the previous unit on Number – Number and place value, and Number – Multiplication and division: <ul style="list-style-type: none"><li>Unit 3, Weeks 1 and 2</li></ul>		<b>Unit 4 Week 1</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count in steps of 2 and 5 from 0, and in tens from any number, forwards and backwards</li></ul> <b>Number – Multiplication and division</b> <ul style="list-style-type: none"><li>calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (<math>=</math>) signs</li><li>show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li><li>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</li></ul>

\* National curriculum Notes and guidance (non-statutory)

# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:
<b>Unit 4</b> <b>Week 2</b>	<b>Number – Fractions</b> <ul style="list-style-type: none"><li>recognise, find and name a half as one of two equal parts of an object, shape or quantity</li><li>recognise and combine halves as parts of a whole *</li></ul>	<b>Unit 4</b> <b>Week 2</b>
		<b>Number – Fractions</b> <ul style="list-style-type: none"><li>recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</li><li>write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math></li></ul>

\* National curriculum Notes and guidance (non-statutory)

# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 4</b> <b>Week 3</b>	<b>Measurement (money)</b> <ul style="list-style-type: none"><li>recognise and know the value of different denominations of coins and notes</li></ul>	<b>Unit 5</b> <b>Week 2</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>solve problems with addition and subtraction:<ul style="list-style-type: none"><li>using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li><li>applying their increasing knowledge of mental methods</li></ul></li><li>add and subtract numbers using concrete objects, pictorial representations and mentally, including:<ul style="list-style-type: none"><li>a two-digit number and ones</li></ul></li></ul> <b>Measurement (money)</b> <ul style="list-style-type: none"><li>recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li></ul>
<b>Unit 7</b> <b>Week 3</b>	<b>Measurement (time)</b> <ul style="list-style-type: none"><li>sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]</li><li>recognise and use language relating to dates, including days of the week, weeks, months and years</li><li>tell the time to the hour and half past the hour and draw the hands on a clock face to show these times</li></ul>	<b>Unit 4</b> <b>Week 3</b>	<b>Measurement (time)</b> <ul style="list-style-type: none"><li>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</li><li>know the number of minutes in an hour</li></ul>

\* National curriculum Notes and guidance (non-statutory)

# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 5 Week 1</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</li><li>count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens</li><li>given a number, identify one more and one less</li><li>identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li><li>read and write numbers from 1 to 20 in numerals and words</li><li>recognise and create repeating patterns with objects and with shapes *</li></ul>	<b>Unit 5 Week 1</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count in steps of 3 from 0, forwards and backwards</li><li>identify, represent and estimate numbers using different representations, including the number line</li><li>compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</li><li>read and write numbers to at least 100 in numerals and in words</li></ul>

\* National curriculum Notes and guidance (non-statutory)



Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 5</b> <b>Week 2</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>• read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs</li><li>• represent and use number bonds and related subtraction facts within 20</li><li>• solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \square - 9</math></li></ul>	<b>Unit 5</b> <b>Week 2</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>• solve problems with addition and subtraction:<ul style="list-style-type: none"><li>– using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li><li>– applying their increasing knowledge of mental methods</li></ul></li><li>• add and subtract numbers using concrete objects, pictorial representations and mentally, including:<ul style="list-style-type: none"><li>– a two-digit number and ones</li></ul></li></ul> <b>Measurement (money)</b> <ul style="list-style-type: none"><li>• recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li></ul>
<b>Unit 5</b> <b>Week 3</b>	<b>Geometry – Properties of shapes</b> <ul style="list-style-type: none"><li>• recognise and name common 3-D shapes, including:<ul style="list-style-type: none"><li>– 3-D shapes [for example cuboids (including cubes), pyramids and spheres]</li></ul></li></ul>	<b>Unit 5</b> <b>Week 3</b>	<b>Geometry – Properties of shapes</b> <ul style="list-style-type: none"><li>• identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</li><li>• identify 2-D shapes on the surface of 3-D shapes [for example, a circle on a cylinder and a triangle on a pyramid]</li><li>• compare and sort common 2-D and 3-D shapes and everyday objects</li></ul>

\* National curriculum Notes and guidance (non-statutory)

Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 6</b> <b>Weeks</b> <b>1 and 2</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count in multiples of twos, fives and tens</li></ul> <b>Number – Multiplication and division</b> <ul style="list-style-type: none"><li>solve one-step problems involving multiplication and division by calculating the answer using concrete objects, pictorial representations and arrays, with the support of the teacher</li><li>understand multiplication and division through grouping and sharing small quantities *</li><li>make connections between arrays, number patterns and counting in twos, fives and tens *</li></ul>	<b>Unit 6</b> <b>Weeks</b> <b>1 and 2</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count in steps of 2 and 5 from 0, and in tens from any number, forwards and backwards</li></ul> <b>Number – Multiplication and division</b> <ul style="list-style-type: none"><li>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li><li>calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs</li><li>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</li></ul>
<b>Unit 6</b> <b>Week 3</b>	<b>Measurement (mass)</b> <ul style="list-style-type: none"><li>compare, describe and solve practical problems for mass or weight [for example, heavy/light, heavier than, lighter than]]</li><li>measure and begin to record mass/weight</li></ul>	<b>Unit 6</b> <b>Week 3</b>	<b>Measurement (mass)</b> <ul style="list-style-type: none"><li>choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit, using scales</li><li>compare and order mass and record the results using &gt;, &lt; and =</li></ul>

\* National curriculum Notes and guidance (non-statutory)

# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
National Curriculum attainment targets Pupils should be taught to:		National Curriculum attainment targets Pupils should be taught to:	
Unit 7 Weeks 1 and 2	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>• read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs</li><li>• represent and use number bonds and related subtraction facts within 20</li><li>• add and subtract one-digit and two-digit numbers to 20, including 0</li><li>• realise the effect of adding and subtracting zero in order to establish addition and subtraction as related operations *</li><li>• solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \square - 9</math></li></ul>	Unit 7 Weeks 1 and 2	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>• solve problems with addition and subtraction:<ul style="list-style-type: none"><li>– using concrete objects and pictorial representations, including those involving numbers</li><li>– applying their increasing knowledge of mental methods</li></ul></li><li>• add and subtract numbers using concrete objects, pictorial representations and mentally, including:<ul style="list-style-type: none"><li>– a two-digit number and tens</li><li>– adding three one-digit numbers</li></ul></li><li>• show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li><li>• recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</li></ul> <b>Measurement (money)</b> <ul style="list-style-type: none"><li>• find different combinations of coins that equal the same amounts of money</li><li>• solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</li></ul>

\* National curriculum Notes and guidance (non-statutory)

# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 7 Week 3</b>	<b>Measurement (time)</b> <ul style="list-style-type: none"><li>sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]</li><li>recognise and use language relating to dates, including days of the week, weeks, months and years</li><li>tell the time to the hour and half past the hour and draw the hands on a clock face to show these times</li></ul>	<b>Unit 4 Week 3</b>	<b>Measurement (time)</b> <ul style="list-style-type: none"><li>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</li><li>know the number of minutes in an hour</li></ul>
Statistics is not in the Year 1 Programme of Study.		<b>Unit 7 Week 3</b>	<b>Statistics</b> <ul style="list-style-type: none"><li>interpret and construct tally charts and simple tables</li><li>ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li><li>ask and answer questions about totalling and comparing categorical data</li></ul>

\* National curriculum Notes and guidance (non-statutory)

Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 8</b> <b>Week 1</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</li><li>count, read and write numbers to 100 in numerals</li><li>given a number, identify one more and one less</li><li>identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li><li>read and write numbers from 1 to 20 in numerals and words</li></ul>	<b>Unit 8</b> <b>Week 1</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count in steps of 2 and 5 from 0, and in tens from any number, forwards and backwards</li></ul> <b>Number – Multiplication and division</b> <ul style="list-style-type: none"><li>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li><li>calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (<math>=</math>) signs</li><li>show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li></ul>
<b>Unit 8</b> <b>Week 2</b>	<b>Number – Fractions</b> <ul style="list-style-type: none"><li>recognise, find and name a quarter as one of four equal parts of an object, shape or quantity</li><li>recognise and combine quarters as parts of a whole *</li></ul>	<b>Unit 8</b> <b>Week 2</b>	<b>Number – Fractions</b> <ul style="list-style-type: none"><li>recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</li><li>write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math></li></ul>

\* National curriculum Notes and guidance (non-statutory)

Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 8 Week 3</b>	<b>Measurement (volume and capacity)</b> <ul style="list-style-type: none"><li>compare, describe and solve practical problems for capacity/volume [for example, full/empty, more than, less than, quarter]</li><li>measure and begin to record capacity and volume</li></ul>	<b>Unit 8 Week 3</b>	<b>Measurement (volume and capacity)</b> <ul style="list-style-type: none"><li>choose and use appropriate standard units to estimate and measure capacity (litres/ml) to the nearest appropriate unit, using measuring vessels</li><li>compare and order volume/capacity and record the results using &gt;, &lt; and =</li></ul>
<b>Unit 9 Week 1</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</li><li>count, read and write numbers to 100 in numerals</li><li>given a number, identify one more and one less</li><li>identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least</li><li>read and write numbers from 1 to 20 in numerals and words</li><li>recognise place value in numbers beyond 20 *</li></ul>	<b>Unit 9 Week 1</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count in steps of 3 from 0, forwards and backwards</li><li>recognise the place value of each digit in a two-digit number (tens, ones)</li><li>compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</li><li>use place value and number facts to solve problems</li></ul>

\* National curriculum Notes and guidance (non-statutory)

# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 9</b> <b>Week 2</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>• read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs</li><li>• represent and use number bonds and related subtraction facts within 20</li><li>• add and subtract one-digit and two-digit numbers to 20, including 0</li><li>• realise the effect of adding and subtracting zero in order to establish addition and subtraction as related operations *</li><li>• solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \square - 9</math></li></ul>	<b>Unit 9</b> <b>Week 2</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>• add and subtract numbers using concrete objects, pictorial representations and mentally, including:<ul style="list-style-type: none"><li>– two two-digit numbers</li></ul></li><li>• show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li><li>• recognise and use the inverse relationship between addition and subtraction and use this to check calculations</li></ul>
<b>Unit 9</b> <b>Week 3</b>	<b>Geometry – Position and direction</b> <ul style="list-style-type: none"><li>• describe position, direction and movement, including whole, half, quarter and three-quarter turns</li></ul>	<b>Unit 9</b> <b>Week 3</b>	<b>Geometry – Position and direction</b> <ul style="list-style-type: none"><li>• use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise)</li></ul>

\* National curriculum Notes and guidance (non-statutory)

# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:
<b>Unit 10</b> <b>Weeks</b> <b>1 and 2</b>	<b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count in multiples of twos, fives and tens</li></ul> <b>Number – Multiplication and division</b> <ul style="list-style-type: none"><li>solve one-step problems involving multiplication and division by calculating the answer using concrete objects, pictorial representations and arrays, with the support of the teacher</li><li>understand multiplication and division through grouping and sharing small quantities *</li><li>make connections between arrays, number patterns and counting in twos, fives and tens *</li></ul>	<b>Unit 10</b> <b>Weeks</b> <b>1 and 2</b>  <b>Number – Number and place value</b> <ul style="list-style-type: none"><li>count in steps of 2 and 5 from 0, and in tens from any number, forwards and backwards</li></ul> <b>Number – Multiplication and division</b> <ul style="list-style-type: none"><li>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li><li>calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (<math>=</math>) signs</li><li>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</li></ul>

\* National curriculum Notes and guidance (non-statutory)



# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 10 Week 3</b>	<b>Measurement (length and height, and mass/weight)</b> <ul style="list-style-type: none"><li>• compare, describe and solve practical problems for:<ul style="list-style-type: none"><li>– lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]</li><li>– mass/weight [for example, heavy/light, heavier than, lighter than]</li></ul></li><li>• measure and begin to record the following:<ul style="list-style-type: none"><li>– lengths and heights</li><li>– mass/weight</li></ul></li></ul>	<b>Unit 10 Week 3</b>	<b>Measurement (temperature, length and height, mass, and volume and capacity)</b> <ul style="list-style-type: none"><li>• 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</li><li>• compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</li></ul>

\* National curriculum Notes and guidance (non-statutory)

Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 11</b> <b>Weeks</b> <b>1 and 2</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>• read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs</li><li>• represent and use number bonds and related subtraction facts within 20</li><li>• add and subtract one-digit and two-digit numbers to 20, including 0</li><li>• solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = \square - 9</math></li></ul>	<b>Unit 11</b> <b>Weeks</b> <b>1 and 2</b>	<b>Number – Addition and subtraction</b> <ul style="list-style-type: none"><li>• solve problems with addition and subtraction:<ul style="list-style-type: none"><li>– using concrete objects and pictorial representations including those involving numbers, quantities and measures</li><li>– applying their increasing knowledge of mental and written methods</li></ul></li><li>• add and subtract numbers using concrete objects, pictorial representations and mentally, including:<ul style="list-style-type: none"><li>– two two-digit numbers</li></ul></li><li>• show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li><li>• recognise and use the inverse relationship between addition and subtraction and use this to check calculations</li><li>• record addition and subtraction in columns to support place value and prepare for formal written methods with larger numbers *</li></ul>

\* National curriculum Notes and guidance (non-statutory)

# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:
<b>Unit 11 Week 3</b>	<b>Geometry – Properties of shapes</b> <ul style="list-style-type: none"><li>recognise and name common 2-D and 3-D shapes, including:<ul style="list-style-type: none"><li>2-D shapes [for example, rectangles (including squares), circles and triangles]</li><li>3-D shapes [for example, cuboids (including cubes), pyramids and spheres]</li></ul></li></ul>	Refer to the following units to consolidate Year 2 attainment targets taught in previous units on Geometry – Properties of shapes: <ul style="list-style-type: none"><li>Unit 1, Week 3</li><li>Unit 5, Week 3</li></ul>
Statistics is not in the Year 1 Programme of Study.		<b>Statistics</b> <ul style="list-style-type: none"><li>interpret and construct simple pictograms, block diagrams and simple tables</li><li>use many-to-one correspondence in pictograms with simple ratios of 2 *</li><li>ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li><li>ask and answer questions about totalling and comparing categorical data</li></ul>

\* National curriculum Notes and guidance (non-statutory)

# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:
<b>Unit 12 Week 1</b>	<b>Number – Multiplication and division</b> <ul style="list-style-type: none"><li>• solve one-step problems involving multiplication and division by calculating the answer using concrete objects, pictorial representations and arrays, with the support of the teacher</li><li>• double numbers and quantities *</li><li>• find simple fractions of objects, numbers and quantities *</li></ul>	<b>Unit 12 Week 1</b>  <b>Number – Number and place value</b> <ul style="list-style-type: none"><li>• count in steps of 2 and 5 from 0, and in tens from any number, forwards and backwards</li></ul> <b>Number – Multiplication and division</b> <ul style="list-style-type: none"><li>• calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs</li><li>• solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</li></ul>

\* National curriculum Notes and guidance (non-statutory)

# Busy Ant Maths Medium-Term Mixed-age Plan – Years 1 and 2

Year 1		Year 2	
<b>National Curriculum attainment targets</b> Pupils should be taught to:		<b>National Curriculum attainment targets</b> Pupils should be taught to:	
<b>Unit 12</b> <b>Week 2</b>	<b>Number – Fractions</b> <ul style="list-style-type: none"><li>recognise, find and name a half as one of two equal parts of an object, shape or quantity</li><li>recognise, find and name a quarter as one of four equal parts of an object, shape or quantity</li><li>connect halves and quarters to the equal sharing and grouping of sets of objects and to measures *</li><li>recognise and combine halves and quarters as parts of a whole *</li></ul>	<b>Unit 12</b> <b>Week 2</b>	<b>Number – Fractions</b> <ul style="list-style-type: none"><li>recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</li><li>write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math></li></ul>
<b>Unit 12</b> <b>Week 3</b>	<b>Measurement (time)</b> <ul style="list-style-type: none"><li>compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later]</li><li>measure and begin to record time (hours, minutes, seconds)</li><li>tell the time to the hour and half past the hour and draw the hands on a clock face to show these times</li></ul>	<b>Unit 12</b> <b>Week 3</b>	<b>Measurement (time)</b> <ul style="list-style-type: none"><li>compare and sequence intervals of time</li><li>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</li><li>know the number of minutes in an hour and the number of hours in a day</li></ul>

\* National curriculum Notes and guidance (non-statutory)