

|                      | Term 1: Sept –Dec Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Term 2: Jan-April Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Term 3: April - July Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Year 7-Ms Gluchowska | <p>Year 7 are currently working on completing the KS2 curriculum and working towards passing their Pearson Edexcel Functional Skills Entry Level 2 exam.</p> <p><b><u>Number</u></b></p> <p><b>Place Value</b></p> <ul style="list-style-type: none"> <li>E2.1 Count reliably up to 100 items</li> <li>E2.2 Read, write, order and compare numbers up to 200</li> <li>E2.3 Recognise and sequence odd and even numbers up to 100</li> <li>E2.4 Recognise and interpret the symbols +, −, ×, ÷ and = appropriately</li> <li>Represent numbers to 1,000</li> <li>Partition numbers to 1,000</li> <li>Number line to 1,000</li> <li>Represent numbers to 10,000</li> <li>Partition numbers to 10,000</li> <li>Flexible partitioning of numbers to 10,000</li> <li>Find 1, 10, 100, 1,000 more or less</li> <li>Number line to 10,000</li> <li>Estimate on a number line to 10,000</li> <li>Compare numbers to 10,000</li> <li>Order numbers to 10,000</li> <li>Roman numerals</li> <li>Round to the nearest 10</li> <li>Round to the nearest 100</li> <li>Round to the nearest 1,000</li> <li>Round to the nearest 10, 100 or 1,000</li> <li>E2.9 Approximate by rounding to the nearest 10, and use this rounded answer to check results</li> </ul> <p><b>Addition &amp; Subtraction</b></p> <ul style="list-style-type: none"> <li>E2.5 Add and subtract two-digit numbers</li> <li>Add and subtract 1s, 10s, 100s and 1,000s</li> <li>Add up to two 4-digit numbers - no exchange</li> <li>Add two 4-digit numbers - one exchange</li> <li>Add two 4-digit numbers - more than one exchange</li> </ul> | <p><b><u>Multiplication &amp; Division</u></b></p> <ul style="list-style-type: none"> <li>Factor pairs</li> <li>Use factor pairs</li> <li>Multiply by 10</li> <li>Multiply by 100</li> <li>Divide by 10</li> <li>Divide by 100</li> <li>Related facts – multiplication and division</li> <li>Informal written methods for multiplication</li> <li>Multiply a 2-digit number by a 1-digit number</li> <li>Multiply a 3-digit number by a 1-digit number</li> <li>Divide a 2-digit number by a 1-digit number (1)</li> <li>Divide a 2-digit number by a 1-digit number (2)</li> <li>Divide a 3-digit number by a 1-digit number</li> <li>Correspondence problems</li> <li>Efficient multiplication</li> </ul> <p><b><u>Measurement</u></b></p> <p><b>Length &amp; Perimeter</b></p> <ul style="list-style-type: none"> <li>Measure in kilometres and metres</li> <li>Equivalent lengths (kilometres and metres)</li> <li>Perimeter on a grid</li> <li>Perimeter of a rectangle</li> <li>Perimeter of rectilinear shapes</li> <li>Find missing lengths in rectilinear shapes</li> <li>Calculate the perimeter of rectilinear shapes</li> <li>Perimeter of regular polygons</li> <li>Perimeter of polygons</li> <li>E2.14 Use metric measures of length, including millimetres, centimetres, metres and kilometres</li> </ul> | <p><b><u>Number</u></b></p> <p><b>Decimals</b></p> <ul style="list-style-type: none"> <li>Make a whole with tenths</li> <li>Make a whole with hundredths</li> <li>Partition decimals</li> <li>Compare decimals</li> <li>Order decimals</li> <li>Round to the nearest whole number</li> <li>Halves and quarters as decimals</li> </ul> <p><b><u>Measurement</u></b></p> <p><b>Converting Units</b></p> <ul style="list-style-type: none"> <li>E2.7 Know the number of hours in a day and weeks in a year; be able to name and sequence</li> <li>E2.15 Use measures of weight, including grams and kilograms</li> <li>E2.16 Use measures of capacity, including millilitres and litres</li> <li>E2.17 Read and compare positive temperatures</li> </ul> <p><b>Money</b></p> <ul style="list-style-type: none"> <li>Write money using decimals</li> <li>Convert between pounds and pence</li> <li>Compare amounts of money</li> <li>Estimate with money</li> <li>Calculate with money</li> <li>Solve problems with money</li> <li>E2.12 Calculate money with pence up to one pound and in whole pounds of multiple items and write with the correct symbols (£ or p)</li> </ul> <p><b>Time</b></p> <ul style="list-style-type: none"> <li>Years, months, weeks and days</li> <li>Hours, minutes and seconds</li> <li>Convert between analogue and digital times</li> <li>Convert to the 24 hour clock</li> <li>Convert from the 24 hour clock</li> <li>E2.13 Read and record time in common date formats and read time displayed on analogue clocks in hours, half hours and quarter hours, and understand hours from a 24-hour digital clock</li> </ul> |

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| <ul style="list-style-type: none"> <li>Subtract two 4-digit numbers - no exchange</li> <li>Subtract two 4-digit numbers - one exchange</li> <li>Subtract two 4-digit numbers - more than one exchange</li> <li>Efficient subtraction</li> <li>Estimate answers</li> <li>Checking strategies</li> </ul> <p><b><u>Measurement</u></b></p> <p><b>Perimeter &amp; Area</b></p> <ul style="list-style-type: none"> <li>What is area?</li> <li>Count squares</li> <li>Make shapes</li> <li>Compare areas</li> </ul> <p><b><u>Number</u></b></p> <p><b>Multiplication &amp; Division</b></p> <ul style="list-style-type: none"> <li>E2.6 Multiply whole numbers in the range <math>0 \times 0</math> to <math>12 \times 12</math> (times tables)</li> <li>Multiples of 3</li> <li>Multiply and divide by 6</li> <li>6 times-table and division facts</li> <li>Multiply and divide by 9</li> <li>9 times-table and division facts</li> <li>The 3, 6 and 9 times-tables</li> <li>Multiply and divide by 7</li> <li>7 times-table and division facts</li> <li>11 times-table and division facts</li> <li>12 times-table and division facts</li> <li>Multiply by 1 and 0</li> <li>Divide a number by 1 and itself</li> <li>Multiply three numbers</li> <li>E2.8 Divide two-digit whole numbers by single-digit whole numbers and express remainders</li> </ul> | <p><b><u>Number</u></b></p> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>Understand the whole</li> <li>Count beyond 1</li> <li>Partition a mixed number</li> <li>Number lines with mixed numbers</li> <li>Compare and order mixed numbers</li> <li>Understand improper fractions</li> <li>Convert mixed numbers to improper fractions</li> <li>Convert improper fractions to mixed numbers</li> <li>Equivalent fractions on a number line</li> <li>Equivalent fraction families</li> <li>Add two or more fractions</li> <li>Add fractions and mixed numbers</li> <li>Subtract two fractions</li> <li>Subtract from whole amounts</li> <li>Subtract from mixed numbers</li> <li>E2.10 Recognise simple fractions (halves, quarters and tenths) of whole numbers and shapes</li> </ul> <p><b>Decimals</b></p> <ul style="list-style-type: none"> <li>Tenths as fractions</li> <li>Tenths as decimals</li> <li>Tenths on a place value chart</li> <li>Tenths on a number line</li> <li>Divide a 1-digit number by 10</li> <li>Divide a 2-digit number by 10</li> <li>Hundredths as fractions</li> <li>Hundredths as decimals</li> <li>Hundredths on a place value chart</li> <li>Divide a 1- or 2-digit number by 100</li> <li>E2.11 Read, write and use decimals to one decimal place</li> </ul> | <p><b><u>Geometry</u></b></p> <p><b>Shape</b></p> <ul style="list-style-type: none"> <li>Understand angles as turns</li> <li>Identify angles</li> <li>Compare and order angles</li> <li>Triangles</li> <li>Quadrilaterals</li> <li>Polygons</li> <li>Lines of symmetry</li> <li>Complete a symmetric figure</li> <li>E2.19 Recognise and name 2-D and 3-D shapes, including pentagons, hexagons, cylinders, cuboids, pyramids and spheres</li> <li>E2.20 Describe the properties of common 2-D and 3-D shapes, including numbers of sides, corners, edges, faces, angles and base</li> </ul> <p><b><u>Statistics</u></b></p> <ul style="list-style-type: none"> <li>Interpret charts</li> <li>Comparison, sum and difference</li> <li>Interpret line graphs</li> <li>Draw line graphs</li> <li>E2.18 Read and use simple scales to the nearest labelled division</li> <li>E2.22 Extract information from lists, tables, diagrams and bar charts</li> <li>E2.23 Make numerical comparisons from bar charts</li> <li>E2.24 Sort and classify objects using two criteria</li> <li>E2.25 Take information from one format and represent the information in another format, including use of bar charts</li> </ul> <p><b><u>Position &amp; Direction</u></b></p> <ul style="list-style-type: none"> <li>Describe position using coordinates</li> <li>Plot coordinates</li> <li>Draw 2-D shapes on a grid</li> <li>Translate on a grid</li> <li>Describe translation on a grid</li> <li>E2.21 Use appropriate positional vocabulary to describe position and direction, including between, inside, outside, middle, below, on top, forwards and backwards</li> </ul> |
| Freckle: Inquiry Based Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Freckle: Inquiry Based Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Freckle: Inquiry Based Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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| Year 7 – Mr Duncan | <p>Year 7 are currently working on completing the KS2 curriculum and working towards passing their Pearson Edexcel Functional Skills Entry Level 3 exam.</p> <p><b><u>Number</u></b></p> <p><b>Place value – (White Rose)</b></p> <ul style="list-style-type: none"> <li>Numbers to 1,000,000</li> <li>Numbers to 10,000,000</li> <li>Read and write numbers to 10,000,000</li> <li>Powers of 10</li> <li>Number line to 10,000,000</li> <li>Compare and order any integers</li> <li>Round any integer</li> <li>Negative numbers</li> </ul> <p><b>Addition, Subtraction, Multiplication &amp; Division (White Rose)</b></p> <ul style="list-style-type: none"> <li>Add and subtract integers</li> <li>Common factors</li> <li>Common multiples</li> <li>Rules of divisibility</li> <li>Primes to 100</li> <li>Square and cube numbers</li> <li>Multiply up to a 4-digit number by a 2-digit number</li> <li>Solve problems with multiplication</li> <li>Short division</li> <li>Division using factors</li> <li>Introduction to long division</li> <li>Long division with remainders</li> <li>Solve problems with division</li> <li>Solve multi-step problems</li> <li>Order of operations</li> <li>Mental calculations and estimation</li> <li>Reason from known facts</li> </ul> | <p><b><u>Statistics</u></b></p> <ul style="list-style-type: none"> <li>Line graphs</li> <li>Dual bar charts</li> <li>Read and interpret pie charts</li> <li>Pie charts with percentages</li> <li>Draw pie charts</li> <li>The mean</li> <li>E3.21 Extract information from lists, tables, diagrams and charts and create frequency tables</li> <li>E3.22 Interpret information, to make comparisons and record changes, from different formats, including bar charts and simple line graphs</li> <li>E3.23 Organise and represent information in appropriate ways, including tables, diagrams, simple line graphs and bar charts</li> </ul> <p><b><u>Ratio</u></b></p> <ul style="list-style-type: none"> <li>Add or multiply?</li> <li>Use ratio language</li> <li>Introduction to the ratio symbol</li> <li>Ratio and fractions</li> <li>Scale drawing</li> <li>Use scale factors</li> <li>Similar shapes</li> <li>Ratio problems</li> <li>Proportion problems</li> <li>Recipes</li> </ul> <p><b><u>Algebra</u></b></p> <ul style="list-style-type: none"> <li>1-step function machines</li> <li>2-step function machines</li> <li>Form expressions</li> <li>Substitution</li> <li>Formulae</li> <li>Form equations</li> </ul> | <p><b><u>Number</u></b></p> <p><b><u>Decimals</u></b></p> <ul style="list-style-type: none"> <li>Use known facts to add and subtract decimals within 1</li> <li>Complements to 1</li> <li>Add and subtract decimals across 1</li> <li>Add/subtract decimals with the same number of decimal places</li> <li>Add/subtract decimals with different numbers of decimal places</li> <li>Efficient strategies for adding and subtracting decimals</li> <li>Decimal sequences</li> <li>E3.9 Recognise and continue sequences that involve decimals</li> <li>E3.8 Read, write and use decimals up to two decimal places</li> <li>Multiply/divide by 10, 100 and 1,000</li> <li>Multiply and divide decimals - missing value</li> </ul> <p><b><u>Measurement</u></b></p> <p><b><u>Converting Units</u></b></p> <ul style="list-style-type: none"> <li>Kilograms and kilometres</li> <li>E3.16 Compare measures of weight, including grams and kilograms</li> <li>Millimetres and millilitres</li> <li>E3.14 Use and compare measures of length, capacity, weight and temperature using metric or imperial units to the nearest labelled or unlabelled division</li> <li>Convert units of length</li> <li>E3.17 Compare measures of capacity, including millilitres and litres</li> <li>Convert between metric and imperial units</li> <li>E3.18 Use a suitable instrument to measure mass and length</li> </ul> |
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### Fractions A

- Equivalent fractions and simplifying
- Equivalent fractions on a number line
- Compare and order (denominator)
- Compare and order (numerator)
- Add and subtract simple fractions
- Add and subtract any two fractions
- Add mixed numbers
- Subtract mixed numbers
- Multi-step problems

### Fractions B

- Multiply fractions by integers
- Multiply fractions by fractions
- Divide a fraction by an integer
- Divide any fraction by an integer
- Mixed questions with fractions
- Fraction of an amount
- Fraction of an amount - find the whole
- E3.1 Count, read, write, order and compare numbers up to 1000
- E3.2 Add and subtract using three-digit whole numbers
- E3.3 Divide three-digit whole numbers by single- and double-digit whole numbers and express remainders
- E3.4 Multiply two-digit whole numbers by single- and double-digit whole numbers
- E3.5 Approximate by rounding numbers less than 1000 to the nearest 10 or 100 and use this rounded answer to check results
- E3.6 Recognise and continue linear sequences of numbers up to 100
- E3.7 Read, write and understand thirds, quarters, fifths and tenths, including equivalent forms

- Solve 1-step equations
- Solve 2-step equations
- Find pairs of values
- Solve problems with two unknowns

### Decimals

- Place value within 1
- Place value – integers and decimals
- Round decimals
- Add and subtract decimals
- Multiply by 10, 100 and 1,000
- Divide by 10, 100 and 1,000
- Multiply decimals by integers
- Divide decimals by integers
- Multiply and divide decimals in context

### Fractions, Decimal & Percentages

- Decimal and fraction equivalents
- Fractions as division
- Understand percentages
- Fractions to percentages
- Equivalent fractions, decimals and percentages
- Order fractions, decimals and percentages
- Percentage of an amount – one step
- Percentage of an amount – multi-step
- Percentages – missing values

### Measurement

#### Area, Perimeter & Volume

- Shapes - same area
- Area and perimeter
- Area of a triangle – counting squares
- Area of a right-angled triangle
- Area of any triangle
- Area of a parallelogram
- Volume - counting cubes
- Volume of a cuboid

- E3.15 Compare metric measures of length, including millimetres, centimetres, metres and kilometres
- Convert units of time
- E3.12 Read, measure and record time using am and pm
- E3.13 Read time from analogue and 24-hour digital clocks in hours and minutes
- Calculate with timetables
- E3.10 Calculate with money using decimal notation and express money correctly in writing in pounds and pence
- E3.11 Round amounts of money to the nearest £1 or 10p

### Geometry

#### Shape

- Measure and classify angles
- Calculate angles
- Vertically opposite angles
- Angles in a triangle
- Angles in a triangle – special cases
- Angles in a triangle – missing angles
- Angles in quadrilaterals
- Angles in polygons
- Circles
- Draw shapes accurately
- Nets of 3-D shapes

#### Position & Direction

- The first quadrant
- Read and plot points in four quadrants
- Solve problems with coordinates
- Translations
- Reflections
- E3.20 Use appropriate positional vocabulary to describe position and direction, including eight compass points and full/half/quarter turns
- E3.19 Sort 2-D and 3-D shapes using properties, including lines of symmetry, length, right angles, angles, including in rectangles and triangles

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|  | <i>Freckle based inquiry</i> | <i>Freckle based inquiry</i> | <i>Freckle based inquiry</i> |
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|                    | Term 1: Sept –Dec Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Term 2: Jan-April Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Term 3: April - July Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Year 7 - Ms Graham | <p>Year 7 are currently working on completing the KS2 curriculum and working towards passing their Pearson Edexcel Functional Skills Entry Level 2 exam.</p> <p><b>Number</b></p> <p><b>Place Value</b></p> <ul style="list-style-type: none"> <li>E2.1 Count reliably up to 100 items</li> <li>E2.2 Read, write, order and compare numbers up to 200</li> <li>E2.3 Recognise and sequence odd and even numbers up to 100</li> <li>E2.4 Recognise and interpret the symbols +, −, ×, ÷ and = appropriately</li> <li>Represent numbers to 1,000</li> <li>Partition numbers to 1,000</li> <li>Number line to 1,000</li> <li>Represent numbers to 10,000</li> <li>Partition numbers to 10,000</li> <li>Flexible partitioning of numbers to 10,000</li> <li>Find 1, 10, 100, 1,000 more or less</li> <li>Number line to 10,000</li> <li>Estimate on a number line to 10,000</li> <li>Compare numbers to 10,000</li> <li>Order numbers to 10,000</li> <li>Roman numerals</li> <li>Round to the nearest 10</li> <li>Round to the nearest 100</li> <li>Round to the nearest 1,000</li> <li>Round to the nearest 10, 100 or 1,000</li> <li>E2.9 Approximate by rounding to the nearest 10, and use this rounded answer to check results</li> </ul> <p><b>Addition &amp; Subtraction</b></p> <ul style="list-style-type: none"> <li>E2.5 Add and subtract two-digit numbers</li> <li>Add and subtract 1s, 10s, 100s and 1,000s</li> <li>Add up to two 4-digit numbers - no exchange</li> <li>Add two 4-digit numbers - one exchange</li> <li>Add two 4-digit numbers - more than one exchange</li> </ul> | <p><b><u>Multiplication &amp; Division</u></b></p> <ul style="list-style-type: none"> <li>Factor pairs</li> <li>Use factor pairs</li> <li>Multiply by 10</li> <li>Multiply by 100</li> <li>Divide by 10</li> <li>Divide by 100</li> <li>Related facts – multiplication and division</li> <li>Informal written methods for multiplication</li> <li>Multiply a 2-digit number by a 1-digit number</li> <li>Multiply a 3-digit number by a 1-digit number</li> <li>Divide a 2-digit number by a 1-digit number (1)</li> <li>Divide a 2-digit number by a 1-digit number (2)</li> <li>Divide a 3-digit number by a 1-digit number</li> <li>Correspondence problems</li> <li>Efficient multiplication</li> </ul> <p><b><u>Measurement</u></b></p> <p><b><u>Length &amp; Perimeter</u></b></p> <ul style="list-style-type: none"> <li>Measure in kilometres and metres</li> <li>Equivalent lengths (kilometres and metres)</li> <li>Perimeter on a grid</li> <li>Perimeter of a rectangle</li> <li>Perimeter of rectilinear shapes</li> <li>Find missing lengths in rectilinear shapes</li> <li>Calculate the perimeter of rectilinear shapes</li> <li>Perimeter of regular polygons</li> <li>Perimeter of polygons</li> <li>E2.14 Use metric measures of length, including millimetres, centimetres, metres and kilometres</li> </ul> | <p><b><u>Number</u></b></p> <p><b><u>Decimals</u></b></p> <ul style="list-style-type: none"> <li>Make a whole with tenths</li> <li>Make a whole with hundredths</li> <li>Partition decimals</li> <li>Compare decimals</li> <li>Order decimals</li> <li>Round to the nearest whole number</li> <li>Halves and quarters as decimals</li> </ul> <p><b><u>Measurement</u></b></p> <p><b><u>Converting Units</u></b></p> <ul style="list-style-type: none"> <li>E2.7 Know the number of hours in a day and weeks in a year; be able to name and sequence</li> <li>E2.15 Use measures of weight, including grams and kilograms</li> <li>E2.16 Use measures of capacity, including millilitres and litres</li> <li>E2.17 Read and compare positive temperatures</li> </ul> <p><b><u>Money</u></b></p> <ul style="list-style-type: none"> <li>Write money using decimals</li> <li>Convert between pounds and pence</li> <li>Compare amounts of money</li> <li>Estimate with money</li> <li>Calculate with money</li> <li>Solve problems with money</li> <li>E2.12 Calculate money with pence up to one pound and in whole pounds of multiple items and write with the correct symbols (£ or p)</li> </ul> <p><b><u>Time</u></b></p> <ul style="list-style-type: none"> <li>Years, months, weeks and days</li> <li>Hours, minutes and seconds</li> <li>Convert between analogue and digital times</li> <li>Convert to the 24 hour clock</li> <li>Convert from the 24 hour clock</li> <li>E2.13 Read and record time in common date formats and read time displayed on analogue clocks in hours, half hours and quarter hours, and understand hours from a 24-hour digital clock</li> </ul> <p><b><u>Geometry</u></b></p> |
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| <ul style="list-style-type: none"> <li>Subtract two 4-digit numbers - no exchange</li> <li>Subtract two 4-digit numbers - one exchange</li> <li>Subtract two 4-digit numbers - more than one exchange</li> <li>Efficient subtraction</li> <li>Estimate answers</li> <li>Checking strategies</li> </ul> <p><b><u>Measurement</u></b></p> <p><b>Perimeter &amp; Area</b></p> <ul style="list-style-type: none"> <li>What is area?</li> <li>Count squares</li> <li>Make shapes</li> <li>Compare areas</li> </ul> <p><b><u>Number</u></b></p> <p><b>Multiplication &amp; Division</b></p> <ul style="list-style-type: none"> <li>E2.6 Multiply whole numbers in the range <math>0 \times 0</math> to <math>12 \times 12</math> (times tables)</li> <li>Multiples of 3</li> <li>Multiply and divide by 6</li> <li>6 times-table and division facts</li> <li>Multiply and divide by 9</li> <li>9 times-table and division facts</li> <li>The 3, 6 and 9 times-tables</li> <li>Multiply and divide by 7</li> <li>7 times-table and division facts</li> <li>11 times-table and division facts</li> <li>12 times-table and division facts</li> <li>Multiply by 1 and 0</li> <li>Divide a number by 1 and itself</li> <li>Multiply three numbers</li> <li>E2.8 Divide two-digit whole numbers by single-digit whole numbers and express remainders</li> </ul> | <p><b><u>Number</u></b></p> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>Understand the whole</li> <li>Count beyond 1</li> <li>Partition a mixed number</li> <li>Number lines with mixed numbers</li> <li>Compare and order mixed numbers</li> <li>Understand improper fractions</li> <li>Convert mixed numbers to improper fractions</li> <li>Convert improper fractions to mixed numbers</li> <li>Equivalent fractions on a number line</li> <li>Equivalent fraction families</li> <li>Add two or more fractions</li> <li>Add fractions and mixed numbers</li> <li>Subtract two fractions</li> <li>Subtract from whole amounts</li> <li>Subtract from mixed numbers</li> <li>E2.10 Recognise simple fractions (halves, quarters and tenths) of whole numbers and shapes</li> </ul> <p><b>Decimals</b></p> <ul style="list-style-type: none"> <li>Tenths as fractions</li> <li>Tenths as decimals</li> <li>Tenths on a place value chart</li> <li>Tenths on a number line</li> <li>Divide a 1-digit number by 10</li> <li>Divide a 2-digit number by 10</li> <li>Hundredths as fractions</li> <li>Hundredths as decimals</li> <li>Hundredths on a place value chart</li> <li>Divide a 1- or 2-digit number by 100</li> <li>E2.11 Read, write and use decimals to one decimal place</li> </ul> | <p><b>Shape</b></p> <ul style="list-style-type: none"> <li>Understand angles as turns</li> <li>Identify angles</li> <li>Compare and order angles</li> <li>Triangles</li> <li>Quadrilaterals</li> <li>Polygons</li> <li>Lines of symmetry</li> <li>Complete a symmetric figure</li> <li>E2.19 Recognise and name 2-D and 3-D shapes, including pentagons, hexagons, cylinders, cuboids, pyramids and spheres</li> <li>E2.20 Describe the properties of common 2-D and 3-D shapes, including numbers of sides, corners, edges, faces, angles and base</li> </ul> <p><b><u>Statistics</u></b></p> <ul style="list-style-type: none"> <li>Interpret charts</li> <li>Comparison, sum and difference</li> <li>Interpret line graphs</li> <li>Draw line graphs</li> <li>E2.18 Read and use simple scales to the nearest labelled division</li> <li>E2.22 Extract information from lists, tables, diagrams and bar charts</li> <li>E2.23 Make numerical comparisons from bar charts</li> <li>E2.24 Sort and classify objects using two criteria</li> <li>E2.25 Take information from one format and represent the information in another format, including use of bar charts</li> </ul> <p><b><u>Position &amp; Direction</u></b></p> <ul style="list-style-type: none"> <li>Describe position using coordinates</li> <li>Plot coordinates</li> <li>Draw 2-D shapes on a grid</li> <li>Translate on a grid</li> <li>Describe translation on a grid</li> <li>E2.21 Use appropriate positional vocabulary to describe position and direction, including between, inside, outside, middle, below, on top, forwards and backwards</li> </ul> |
| Freckle: Inquiry Based Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Freckle: Inquiry Based Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Freckle: Inquiry Based Activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

|                     | Term 1: Sept –Dec Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Term 2: Jan-April Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Term 3: April - July Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Desired end of year outcomes                                                                     |
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| Year 7-Ms Bromfield | <p>Year 7 are currently working on completing the KS1 curriculum and working towards passing their Pearson Edexcel Functional Skills Entry Level 1 exam.</p> <p><b>Number</b></p> <ul style="list-style-type: none"> <li>E1.1 Read, write, order and compare numbers up to 20</li> <li>E1.2 Use whole numbers to count up to 20 items, including zero</li> </ul> <p><b>Place Value</b></p> <ul style="list-style-type: none"> <li>Numbers to 20</li> <li>Count objects to 100 by making 10s</li> <li>Recognise tens and ones</li> <li>Use a place value chart</li> <li>Partition numbers to 100</li> <li>Write numbers to 100 in words</li> <li>Write numbers to 100 in expanded form</li> <li>10s on the number line to 100</li> <li>10s and 1s on the number line to 100</li> <li>Estimate numbers on a number line</li> <li>Compare objects</li> <li>Compare numbers</li> <li>Order objects and numbers</li> <li>Count in 2s, 5s and 10s</li> <li>Count in 3s</li> </ul> <p><b>Addition &amp; Subtraction</b></p> <ul style="list-style-type: none"> <li>E1.3 Add numbers which total up to 20, and subtract numbers from numbers up to 20</li> <li>E1.4 Recognise and interpret the symbols +, – and = appropriately</li> <li>Bonds to 10</li> <li>Fact families - addition and subtraction bonds within 20</li> <li>Related facts</li> <li>Bonds to 100 (tens)</li> <li>Add and subtract 1s</li> <li>Add by making 10</li> </ul> | <p><b>Measurement</b></p> <p><b>Money</b></p> <ul style="list-style-type: none"> <li>E1.5 Recognise coins and notes and write them in numbers with the correct symbols (£ &amp; p), where these involve numbers up to 20</li> <li>Count money - pence</li> <li>Count money - pounds (notes and coins)</li> <li>Count money - pounds and pence</li> <li>Choose notes and coins</li> <li>Make the same amount</li> <li>Compare amounts of money</li> <li>Calculate with money</li> <li>Make a pound</li> <li>Find change</li> <li>Two-step problems</li> </ul> <p><b>Number</b></p> <p><b>Multiplication &amp; Division</b></p> <ul style="list-style-type: none"> <li>Recognise equal groups</li> <li>Make equal groups</li> <li>Add equal groups</li> <li>Introduce the multiplication symbol</li> <li>Multiplication sentences</li> <li>Use arrays</li> <li>Make equal groups – grouping</li> <li>Make equal groups – sharing</li> <li>The 2 times-table</li> <li>Divide by 2</li> <li>Doubling and halving</li> <li>Odd and even numbers</li> <li>The 10 times-table</li> <li>Divide by 10</li> <li>The 5 times-table</li> <li>Divide by 5</li> <li>The 5 and 10 times-tables</li> </ul> <p><b>Measurement</b></p> <p><b>Length &amp; Height</b></p> | <p><b>Number</b></p> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>Introduction to parts and whole</li> <li>Equal and unequal parts</li> <li>Recognise a half</li> <li>Find a half</li> <li>Recognise a quarter</li> <li>Find a quarter</li> <li>Recognise a third</li> <li>Find a third</li> <li>Find the whole</li> <li>Unit fractions</li> <li>Non-unit fractions</li> <li>Recognise the equivalence of a half and two quarters</li> <li>Recognise three-quarters</li> <li>Find three-quarters</li> <li>Count in fractions up to a whole</li> </ul> <p><b>Measurement</b></p> <p><b>Time</b></p> <ul style="list-style-type: none"> <li>E1.6 Read 12-hour digital and analogue clocks in hours</li> <li>E1.7 Know the number of days in a week, months and seasons in a year; be able to name and sequence</li> <li>O'clock and half past</li> <li>Quarter past and quarter to</li> <li>Tell time past the hour</li> <li>Tell time to the hour</li> <li>Tell the time to 5 minutes</li> <li>Minutes in an hour</li> <li>Hours in a day</li> </ul> <p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>E1.11 Read numerical information from lists</li> </ul> | <p>Students successfully complete the KS1 objectives and are ready to pass the FS EL 1 exam.</p> |



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| <ul style="list-style-type: none"> <li>• Add three 1-digit numbers</li> <li>• Add to the next 10</li> <li>• Add across a 10</li> <li>• Subtract across 10</li> <li>• Subtract from a 10</li> <li>• Subtract a 1-digit number from a 2-digit number (across a 10)</li> <li>• 10 more, 10 less</li> <li>• Add and subtract 10s</li> <li>• Add two 2-digit numbers (not across a 10)</li> <li>• Add two 2-digit numbers (across a 10)</li> <li>• Subtract two 2-digit numbers (not across a 10)</li> <li>• Subtract two 2-digit numbers (across a 10)</li> <li>• Mixed addition and subtraction</li> <li>• Compare number sentences</li> <li>• Missing number problems</li> </ul> <p><b><u>Measurement</u></b></p> <p><b>Shape</b></p> <ul style="list-style-type: none"> <li>• E1.9 Identify and recognise common 2-D and 3-D shapes, including circle, cube, rectangle (including square) and triangle</li> <li>• Recognise 2-D and 3-D shapes</li> <li>• Count sides on 2-D shapes</li> <li>• Count vertices on 2-D shapes</li> <li>• Draw 2-D shapes</li> <li>• Lines of symmetry on shapes</li> <li>• Use lines of symmetry to complete shapes</li> <li>• Sort 2-D shapes</li> <li>• Count faces on 3-D shapes</li> <li>• Count edges on 3-D shapes</li> <li>• Count vertices on 3-D shapes</li> <li>• Sort 3-D shapes</li> <li>• Make patterns with 2-D and 3-D shapes</li> </ul> | <ul style="list-style-type: none"> <li>• E1.8 Describe and make comparisons in words between measures of items including size, length, width, height, weight and capacity</li> <li>• Measure in centimetres</li> <li>• Measure in metres</li> <li>• Compare lengths and heights</li> <li>• Order lengths and heights</li> <li>• Four operations with lengths and heights</li> </ul> <p><b>Mass, Capacity &amp; Temperature</b></p> <ul style="list-style-type: none"> <li>• Compare mass</li> <li>• Measure in grams</li> <li>• Measure in kilograms</li> <li>• Four operations with mass</li> <li>• Compare volume and capacity</li> <li>• Measure in millilitres</li> <li>• Measure in litres</li> <li>• Four operations with volume and capacity</li> <li>• Temperature</li> </ul> | <ul style="list-style-type: none"> <li>• E1.12 Sort and classify objects using a single criterion</li> <li>• E1.13 Read and draw simple charts and diagrams, including a tally chart, block diagram/graph</li> <li>• Make tally charts</li> <li>• Tables</li> <li>• Block diagrams</li> <li>• Draw pictograms</li> <li>• Interpret pictograms</li> <li>• Draw pictograms</li> <li>• Interpret pictograms</li> </ul> <p><b><u>Geometry</u></b></p> <p><b>Position &amp; Direction</b></p> <ul style="list-style-type: none"> <li>• E1.10 Use everyday positional vocabulary to describe position and direction, including left, right, in front, behind, under and above</li> <li>• Language of position</li> <li>• Describe movement</li> <li>• Describe turns</li> <li>• Describe movement and turns</li> <li>• Shape patterns with turns</li> </ul> |
| <p><i>Freckle: Inquiry Based Activity</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p><i>Freckle: Inquiry Based Activity</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <p><i>Freckle: Inquiry Based Activity</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                   | Term 1: Sept –Dec Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Term 2: Jan-April Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Term 3: April - July Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Year 7 – Mrs Shaw | <p>Year 7 are currently working on completing the KS2 curriculum and working towards passing their Pearson Edexcel Functional Skills Entry Level 3 exam.</p> <p><b><u>Measurement</u></b></p> <p><b>Converting Units</b></p> <ul style="list-style-type: none"> <li>Kilograms and kilometres</li> <li>E3.16 Compare measures of weight, including grams and kilograms</li> <li>Millimetres and millilitres</li> <li>E3.14 Use and compare measures of length, capacity, weight and temperature using metric or imperial units to the nearest labelled or unlabelled division</li> <li>Convert units of length</li> <li>E3.17 Compare measures of capacity, including millilitres and litres</li> <li>Convert between metric and imperial units</li> <li>E3.18 Use a suitable instrument to measure mass and length</li> <li>E3.15 Compare metric measures of length, including millimetres, centimetres, metres and kilometres</li> <li>Convert units of time</li> <li>E3.12 Read, measure and record time using am and pm</li> <li>E3.13 Read time from analogue and 24-hour digital clocks in hours and minutes</li> <li>Calculate with timetables</li> <li>E3.10 Calculate with money using decimal notation and express money correctly in writing in pounds and pence</li> <li>E3.11 Round amounts of money to the nearest £1 or 10p</li> </ul> | <p><b><u>Measurement</u></b></p> <p><b>Area, Perimeter &amp; Volume</b></p> <ul style="list-style-type: none"> <li>Shapes - same area</li> <li>Area and perimeter</li> <li>Area of a triangle – counting squares</li> <li>Area of a right-angled triangle</li> <li>Area of any triangle</li> <li>Area of a parallelogram</li> <li>Volume - counting cubes</li> </ul> <p>Volume of a cuboid</p> <p><b><u>Statistics</u></b></p> <ul style="list-style-type: none"> <li>Line graphs</li> <li>Dual bar charts</li> <li>Read and interpret pie charts</li> <li>Pie charts with percentages</li> <li>Draw pie charts</li> <li>The mean</li> <li>E3.21 Extract information from lists, tables, diagrams and charts and create frequency tables</li> <li>E3.22 Interpret information, to make comparisons and record changes, from different formats, including bar charts and simple line graphs</li> <li>E3.23 Organise and represent information in appropriate ways, including tables, diagrams, simple line graphs and bar charts</li> </ul> | <p><b><u>Geometry</u></b></p> <p><b>Shape</b></p> <ul style="list-style-type: none"> <li>Measure and classify angles</li> <li>Calculate angles</li> <li>Vertically opposite angles</li> <li>Angles in a triangle</li> <li>Angles in a triangle – special cases</li> <li>Angles in a triangle – missing angles</li> <li>Angles in quadrilaterals</li> <li>Angles in polygons</li> <li>Circles</li> <li>Draw shapes accurately</li> <li>Nets of 3-D shapes</li> </ul> <p><b>Position &amp; Direction</b></p> <ul style="list-style-type: none"> <li>The first quadrant</li> <li>Read and plot points in four quadrants</li> <li>Solve problems with coordinates</li> <li>Translations</li> <li>Reflections</li> <li>E3.20 Use appropriate positional vocabulary to describe position and direction, including eight compass points and full/half/quarter turns</li> <li>E3.19 Sort 2-D and 3-D shapes using properties, including lines of symmetry, length, right angles, angles, including in rectangles and triangles</li> </ul> |
|                   | Freckle based inquiry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Freckle based inquiry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Freckle based inquiry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

