

	<b>Term 1: Sept –Dec Content</b>	<b>Term 2: Jan-April Content</b>	<b>Term 3: April - July Content</b>	<b>Desired end of year outcomes</b>
<b>Year 10-Mrs Elenkova</b>	<p><b>Number and Place Value</b></p> <ul style="list-style-type: none"> <li>-Count to 100, knowing the number names</li> <li>-Count collections of objects, checking the total.</li> <li>- Recognise odd and even numbers.</li> <li>-Count on in steps of different sizes.</li> <li>-Read, write and order numbers to 100</li> <li>-Understand that the position of a digit signifies its value</li> </ul> <p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>-Understand the operation of addition and subtraction and the relationship between them.</li> <li>-Apply operations appropriately when solving problems.</li> <li>-Use repeating patterns to develop ideas of regularity and sequencing.</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Explore and record patterns in addition and subtraction.</li> <li>-Explain the patterns and using them to make predictions</li> </ul> <p><b>Shapes</b></p> <ul style="list-style-type: none"> <li>-Describe and discuss 2D shapes</li> <li>-Use the mathematical names for common 2D shapes and their properties.</li> </ul>	<p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>-Recognise and use halves of objects, shapes and quantities.</li> </ul> <p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>-Add and subtract numbers to 10.</li> <li>-Know addition and subtraction facts for each number to 10.</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Know addition and subtraction facts for each number to 20.</li> </ul> <p><b>Number and Place Value</b></p> <ul style="list-style-type: none"> <li>-Consolidation of number counting, reading, writing and ordering numbers.</li> <li>-Consolidation of number patterns – understanding addition and subtraction.</li> </ul> <p><b>Shapes</b></p> <ul style="list-style-type: none"> <li>-Describe and discuss simple 3D shapes.</li> <li>-Use mathematical name for a cube.</li> <li>-Recognise and use the following geometric features of 3D shapes: vertices, edges, faces</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Use the mathematical names for additional 3D shapes (cube, cuboid, pyramid, cylinder, cone, sphere)</li> </ul>	<p><b>Shapes</b></p> <ul style="list-style-type: none"> <li>-Consolidation of 2D and 3D shapes and their properties.</li> </ul> <p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>-Consolidation of addition and subtraction number facts to 20</li> <li>- Add and subtract one- and two-digit numbers.</li> <li>-Use addition and subtraction to solve problems.</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Understand the operation of multiplication and division.</li> </ul> <p><b>Position and Direction</b></p> <ul style="list-style-type: none"> <li>-Describe positions using common words</li> <li>-Copy, continue and make patterns</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Recognise movements in a straight line and rotations.</li> </ul> <p><b>Practice Tasks</b></p> <ul style="list-style-type: none"> <li>-Sample assessment materials, past practice papers</li> </ul>	<p>Confident counting forward and backward to 100.</p> <p>Recognising patterns in numbers and using this knowledge when solving problems.</p> <p>Understanding addition and subtraction and the relationship between them. Using this knowledge when solving problems.</p> <p>Knowing number facts to at least 10.</p> <p>Knowing names and properties of basic 2D and 3D shapes.</p> <p>Describing position using common words.</p>

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<b>YEAR 10 – Miss Kane</b>	<p><b>Number and Place Value</b></p> <ul style="list-style-type: none"> <li>- Read, write and order numbers to 1000.</li> <li>- Recognise the place value of each digit in numbers up to 1000.</li> </ul> <p><b>Multiplication</b></p> <ul style="list-style-type: none"> <li>- Recall multiplication and division facts for 3,4 and 8-times tables.</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>- Recognise, find and write fractions of a set of objects, with small denominators.</li> <li>- Add and subtract fractions with the same denominators within one whole.</li> <li>- Use diagrams to show equivalent fractions.</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>- Use appropriate time vocabulary.</li> <li>- Know the number of seconds in a minute, days in a month, year and leap year.</li> </ul> <p><b>Shape</b></p> <ul style="list-style-type: none"> <li>-Measure the perimeter of simple 2D shapes.</li> <li>-Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li> <li>- Recognise angles as a property of a shape. Identify right angles within shapes.</li> </ul>	<p><b>Number and Place Value</b></p> <ul style="list-style-type: none"> <li>-Estimate numbers using different representations.</li> <li>- Count from 0 in 4s and 8s.</li> </ul> <p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>- Add and subtract numbers mentally up to 1000.</li> <li>- Add and subtract numbers up to 1000 using the formal written method.</li> </ul> <p><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>- Use written multiplication and division methods, introduce two-digit by one-digit multiplication.</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>-Compare and order fractions with the same denominator.</li> <li>- Count in tenths.</li> <li>- Begin to place fractions on a number line.</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>-Estimate and read time with increasing accuracy to the nearest minute.</li> </ul>	<p><b>Number and Place Value</b></p> <ul style="list-style-type: none"> <li>- Solve missing number problems using number facts, place value and addition and subtraction.</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>- Record and compare time in seconds, minutes and hours.</li> <li>- Add and subtract amounts of money to give change.</li> <li>- Solve problems using a variety of units of measure.</li> </ul> <p><b>Shape</b></p> <ul style="list-style-type: none"> <li>-Identify whether angles are greater than or less than a right angle.</li> <li>-Draw simple 2D shapes.</li> </ul> <p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>-Interpret and present data using bar charts, pictograms and tables.</li> </ul>	<p>Confidently use the number system to 1000.</p> <p>Begin to link addition and subtraction facts to bigger numbers.</p> <p>Recall the 3, 4 and 8-times tables.</p> <p>Identify fractions of small quantities using visual support.</p> <p>Relate fractions to the number system (using a number line)</p> <p>Read the time to 5 minutes. Begin to solve time problems.</p> <p>Identify where to find an angle in a shape.</p> <p>Recognise and draw right angles.</p> <p>Read and interpret data from a range of sources.</p>

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Year 10-Mrs Shaw	<p><b>Year 10 are currently completing the KS3 curriculum and working towards Pearson Edexcel Functional Skills Level 1 and Foundation GCSE.</b></p> <p><b>Number</b></p> <p><b>Place value</b></p> <ul style="list-style-type: none"> <li>○ Integers</li> <li>○ Decimals</li> <li>○ Measures</li> <li>○ Ordering numbers – integers</li> <li>○ Ordering numbers – decimals</li> </ul> <p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>○ Addition and subtraction – integers and decimals - mental and written methods</li> </ul> <p><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>○ Multiplication by 2, 3, 4, 5 and 10</li> <li>○ Division by 2, 3, 4, 5 and 10</li> <li>○ Short multiplication &amp; division of integers and decimals</li> <li>○ Factors</li> <li>○ multiples</li> </ul> <p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>○ Pictograms – interpreting</li> <li>○ Pictograms – drawing</li> <li>○ Bar charts – interpreting</li> <li>○ Bar charts – drawing</li> <li>○ Frequency tables – ungrouped data</li> </ul>	<p><b>Algebra</b></p> <ul style="list-style-type: none"> <li>○ Coordinates – 1<sup>st</sup> quadrant</li> <li>○ Coordinates – all 4 quadrants</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>○ Introduction to fractions – shading, equivalent fractions, simplifying</li> </ul> <p><b>Ratio</b></p> <ul style="list-style-type: none"> <li>○ Introduction to ratio – real-life contexts</li> <li>○ Introduction to ratio – shading</li> <li>○ Unit conversions</li> </ul> <p><b>Probability</b></p> <ul style="list-style-type: none"> <li>○ The probability scale</li> </ul> <p><b>Geometry</b></p> <ul style="list-style-type: none"> <li>○ Basic geometric definitions</li> <li>○ Properties of circles</li> <li>○ Line symmetry</li> <li>○ Reflection – horizontal &amp; vertical mirror line</li> <li>○ Reflection – diagonal mirror lines</li> <li>○ Translation</li> <li>○ Rotation</li> <li>○ Rotational symmetry</li> </ul>	<p><b>Number</b></p> <ul style="list-style-type: none"> <li>○ Units – length, mass and capacity</li> <li>○ Units – time</li> <li>○ Units – money</li> <li>○ Reading scales</li> </ul> <p><b>Algebra</b></p> <ul style="list-style-type: none"> <li>○ Algebraic vocabulary</li> <li>○ Formulae expressed in words</li> <li>○ Algebraic notation</li> </ul> <p><b>Geometry</b></p> <ul style="list-style-type: none"> <li>○ Perimeter</li> <li>○ Area</li> <li>○ Measuring and drawing angles</li> <li>○ Polygons</li> <li>○ 3D shapes – properties, models, nets</li> <li>○ Angle facts</li> </ul>	<p><b>Students who have acquired the following skills will be ready to take their Functional Skills Level 1 exam.</b></p> <p>Demonstrate an understanding of place value, including large numbers, integers and decimals.</p> <p>Calculate mentally using efficient strategies.</p> <p>Use formal written methods to calculate accurately.</p> <p>Solve multi-step problems.</p> <p>Calculate with measures using different units including money, length, mass, capacity and time.</p> <p>Demonstrate basic geometrical transformations and be able to calculate area and perimeter by counting squares or using simple formulae.</p> <p>Read and interpret bar graphs and pictograms.</p>

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<b>Year 10-Mr Duncan</b>	<p><b>Year 11 are currently working towards Pearson Edexcel Functional Skills Level 1 and Foundation GCSE.</b></p> <p><b>Algebra</b></p> <ul style="list-style-type: none"> <li>○ Expanding brackets</li> <li>○ Simple factorisation</li> <li>○ Simplifying – addition, subtraction, multiplication and division</li> <li>○ Substitution</li> <li>○ Solving equations</li> <li>○ Quadratic roots</li> <li>○ Inequations</li> </ul> <p><b>Number</b></p> <ul style="list-style-type: none"> <li>○ Adding, subtracting, multiplying &amp; dividing integers and decimals</li> <li>○ Inverse operations</li> <li>○ Money questions – calculator &amp; non-calculator</li> <li>○ Negatives in real life</li> <li>○ Factors, multiples and primes</li> <li>○ Powers and indices</li> <li>○ Multiplying and dividing by powers of 10</li> <li>○ Rounding to the nearest 10, 100, 1000 &amp; to decimal places</li> <li>○ Adding, subtracting, multiplying &amp; dividing fractions</li> <li>○ BIDMAS</li> <li>○ Four rules of negatives</li> <li>○ Fractions, Decimals, Percentages</li> <li>○ Rounding to significant figures</li> <li>○ Estimating answers</li> <li>○ Products of primes</li> <li>○ Highest Common Factor</li> <li>○ Lowest Common Multiple</li> <li>○ Square, cubes and roots</li> <li>○ Standard form</li> </ul>	<p><b>Number</b></p> <ul style="list-style-type: none"> <li>○ Comparing fractions</li> <li>○ Adding and subtracting fractions</li> <li>○ Finding a fraction of an amount</li> <li>○ Multiplying fractions</li> <li>○ Dividing fractions</li> </ul> <p><b>Ratio</b></p> <ul style="list-style-type: none"> <li>○ Sharing using ratio</li> <li>○ Exchanging money</li> <li>○ Percentage change</li> <li>○ Reverse percentages</li> <li>○ Simple interest</li> <li>○ Ratios, fractions and graphs</li> </ul> <p><b>Geometry</b></p> <ul style="list-style-type: none"> <li>○ Properties of solids</li> <li>○ Nets</li> <li>○ Angles on a line and at a point</li> <li>○ Measuring angles</li> <li>○ Drawing angles</li> <li>○ Drawing a triangle using a protractor</li> <li>○ Angles and parallel lines</li> <li>○ Angles in a triangle</li> <li>○ Properties of special triangles</li> <li>○ Transformations</li> <li>○ Perimeters</li> <li>○ Area of a rectangle</li> <li>○ Area of a triangle</li> <li>○ Area of a parallelogram</li> <li>○ Area of a trapezium</li> <li>○ Problems on a co-ordinate axis</li> <li>○ Surface area of cuboids</li> <li>○ Circle definitions</li> <li>○ Area of a circle</li> <li>○ Circumference of a circle</li> <li>○ Volume of a prism</li> <li>○ Angles in parallel lines</li> <li>○ Surface area</li> </ul>	<p><b>Algebra</b></p> <ul style="list-style-type: none"> <li>○ Straight line graphs</li> <li>○ Solving equations</li> <li>○ Generating a sequence – term to term</li> <li>○ Generating a sequence for the nth term</li> <li>○ Finding the nth term</li> </ul> <p><b>Probability &amp; Statistics</b></p> <ul style="list-style-type: none"> <li>○ Frequency trees</li> <li>○ Listing outcomes</li> <li>○ Calculating probabilities</li> <li>○ Mutually exclusive events</li> <li>○ Two-way tables</li> <li>○ Averages and the range</li> <li>○ Venn diagrams</li> <li>○ Pie charts</li> <li>○ Mean average</li> </ul>	<p><b>Students will be prepared for the year 11 course where they will achieve a Grade 3-5 in their GCSE exam.</b></p>