

	<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 11 -Mrs Nowacka</b>	<p><b>Measures: Measuring instruments</b> -Choosing and using simple measuring instruments</p> <p><b>Measures: Units</b> -Compare objects and events using appropriate language for direct comparison using common standard units.</p> <p><b>Number: Consolidation</b> -Consolidation of number counting, reading, writing and ordering numbers. -Consolidation of number patterns – understanding addition and subtraction. -Consolidation of using appropriate operation when solving problems.</p>	<p><b>Statistics</b> -Sort and classify a set of objects or pictures. -Sort and classify a set of objects using criteria related to their properties. -Extract information from lists. <u>Extension:</u> Collect, record and read data arising from area of interest (tally charts, data-collection sheets, bar charts, pictograms and simple tables)</p> <p><b>Geometry: Consolidation</b> -Consolidation of 2D and 3D shapes and their properties.</p> <p><b>Entry Level Test Preparation Practice and Examinations</b></p>	<p><u>Real Life Maths – preparing for life after Glebe</u></p> <p><b>Money</b> - Totalling different coins to the same value. - Calculating change. - Understanding a bank/savings account. - Weekly budgeting</p> <p><b>Time</b> - Reading digital time. - Calculating time taken. - Reading bus/train timetables – how to access this information.</p> <p><b>Measures</b> - Reading scales - Using household measuring equipment. - Following recipes (link to time, estimating time taken) - Planning routes</p>	<p>Use of language to compare numbers</p> <p>Count, write and compare numbers to 100</p> <p>Add and subtract numbers to 100</p> <p>Choose appropriate measuring instruments and units</p> <p>Sort objects and shapes from their properties</p> <p>Draw and interpret simple bar charts, tally chars and pictograms</p>

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<b>Year 11 -Miss Mendez</b>	<p><b>Number – Place Value</b> Count in multiples of 6, 7, 9, 25 and 1000</p> <p>Find 1000 more or less than a given number</p> <p>Count backwards through zero to include negative numbers</p> <p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p> <p>Order and compare numbers beyond 1000</p> <p>Solve number and practical problems that involve increasingly large positive numbers</p> <p><b>Number – Addition and Subtraction</b> Add and subtract numbers with up to 4 digits using the formal written methods</p> <p>Estimate and use inverse operations to check answers</p> <p>Solve addition and subtraction two-step problems</p> <p><b>Measurement – Length and Perimeter</b> Convert between different units of measure [for example, kilometre to metre]</p> <p>Measure and calculate the perimeter of a rectilinear figure</p> <p><b>Number – Multiplication and Division</b> Recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></p> <p>Use place value to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers</p> <p>Mental calculations</p>	<p><b>Number – Multiplication and Division</b> Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p> <p><b>Measurement – Area</b> Find the area of rectilinear shapes by counting squares</p> <p><b>Number – Fractions</b> Recognise and show, using diagrams, families of common equivalent fractions</p> <p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten</p> <p>Solve problems involving increasingly harder fractions to calculate quantities and fractions to divide quantities, including non-unit fractions where the answer is a whole number</p> <p>Add and subtract fractions with the same denominator</p> <p><b>Number – Decimals</b> Recognise and write decimal equivalents of any number of tenths or hundredths</p> <p>Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths</p>	<p><b>Number – Decimals</b> Round decimals with one decimal place to the nearest whole number</p> <p>Compare numbers with the same number of decimal places up to two decimal places</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places</p> <p><b>Measurement – Money</b> Estimate, compare and calculate different measures including money in pounds and pence</p> <p><b>Measurement – Time</b> Convert between different units of measure [for example, hour to minute]</p> <p>Read, write and convert time between analogue and digital 12- and 24-hour clocks</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p> <p><b>Statistics</b> Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</p> <p><b>Geometry – Properties of Shape</b> Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</p> <p>Identify acute and obtuse angles and compare and order angles up to two right angles by size</p> <p>Identify lines of symmetry in 2-D shapes presented in different orientations</p> <p>Complete a simple symmetric figure with respect to a specific line of symmetry</p> <p><b>Geometry – Position and Direction</b> Describe positions on a 2-D grid as coordinates in the first quadrant</p> <p>Describe movements between positions as translations of a given unit to the left/right and up/down</p> <p>Plot specified points and draw sides to complete a given polygon</p>	<p><b>Students who have acquired the following skills will be ready to progress to the next level.</b></p> <p>Recall and use multiplication and division facts fluently for numbers up to 12 and make deductions outside known multiplication facts</p> <p>Communicate reasoning around problem solving clearly and concisely, with diagrams and calculations where necessary</p> <p>Solve multi-step (3+) problems including those with 1 or more operations</p> <p>Apply taught knowledge to solve 2-step problems related to time</p> <p>Recognise and name all 2D shapes, inc. quadrilaterals, and a wide range of 3D shapes</p>

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<b>Year 11 – Miss Kane</b>	<p><b>Year 11 are working towards Number and Place Value</b></p> <ul style="list-style-type: none"> <li>-Count in multiples of 6, 7, 9, 25 or 1000 and find 1000 more or less than a number</li> <li>-Count backwards through 0</li> <li>-Read, write, order and recognise place value of 4-digit numbers</li> <li>-Round any number to the nearest 10, 100 or 1000</li> <li>-Read Roman Numerals</li> </ul> <p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>-Add and subtract 4-digit numbers using written column method</li> <li>-Use inverse operation to check answers</li> <li>-Solve two-step problems</li> </ul> <p><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>-Multiply and divide 3-digit numbers by 1-digit using written methods</li> <li>-Multiply 3 numbers together</li> <li>-Know multiplication facts up to 12x12 including x0, x1, ÷1</li> </ul> <p><b>Fractions</b></p> <p>Round numbers with one decimal place to the nearest whole number</p>	<p><b>Number and Place Value</b></p> <ul style="list-style-type: none"> <li>-Solve number and practical problems</li> <li>-Understand and use multiples, factors, prime numbers and square numbers</li> <li>-Order, add and subtract negative numbers on a number line</li> </ul> <p><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>-Recognise and use factor pairs</li> <li>-Recognise derived facts from known multiplications</li> </ul> <p><b>Decimals</b></p> <ul style="list-style-type: none"> <li>-Read, write, compare and understand place value of numbers with the same number of decimal places</li> <li>-Add, subtract, multiply and divide decimals</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>-Count up and down in hundredths and recognise decimal equivalents</li> <li>-Solve simple measure and money problems involving fractions and decimals</li> <li>-Recognise and write decimal equivalents to <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math> and <math>\frac{3}{4}</math></li> <li>-Use diagrams to recognise and show equivalent fractions and simplest form</li> <li>-Add and subtract fractions with the same denominator</li> <li>-Divide a 1- or 2-digit number by 10 or 100 and express in ones, tenths and hundredths</li> </ul> <p><b>Percentages</b></p> <ul style="list-style-type: none"> <li>-Read, write, order and compare simple percentages</li> </ul> <p>Recognise equivalences between fractions, decimals and percentages</p>	<p><b>Number and Place Value</b></p> <ul style="list-style-type: none"> <li>-Find highest common factors (HCF) and lowest common multiples (LCM)</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>-Solve simple money and measure problems involving decimals and fractions</li> <li>-Calculate fractions of quantities</li> </ul> <p><b>Percentages</b></p> <ul style="list-style-type: none"> <li>-Find percentages of quantities</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>-Measure and calculate the area and perimeter of rectilinear shapes; express perimeter algebraically</li> <li>-Estimate, compare, calculate and convert between measures, money and time</li> </ul> <p><b>Properties of Shape</b></p> <ul style="list-style-type: none"> <li>-Compare, classify and describe quadrilaterals and triangles using symmetry and angle terminology</li> <li>-Complete a simple symmetrical pattern</li> <li>-Work out the volume of a cuboid</li> </ul> <p><b>Position and Direction</b></p> <ul style="list-style-type: none"> <li>-Plot points to complete a polygon</li> <li>-Describe positions on a 2D grid and movements between positions</li> </ul> <p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>-Read, construct and use everyday charts</li> <li>-Present and interpret discrete and continuous data</li> </ul> <p>Solve sum, comparison and difference problems using data</p>	<p>Round numbers (including decimals) to nearest 1, 10, 100 or 1000.</p> <p>Use written methods for addition, subtraction (up to 4-digits), multiplication and division (by one digit) including decimal numbers.</p> <p>Count in multiples of 6, 7, 9, 25 and know multiplication/division facts to 12x12.</p> <p>Solve simple calculations using negative numbers.</p> <p>Read, write, order and compare fractions, decimals and simple percentages.</p> <p>Find fractions and percentages of amounts.</p> <p>Find simple equivalent fractions, decimals and percentages.</p> <p>Name and describe quadrilaterals and triangles, recognise symmetry.</p> <p>Plot coordinates and describe translation</p> <p>Present and interpret various data.</p>

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<b>Year 11 -Mrs Shaw</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> </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> </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> </ul>	<p><b>Algebra</b></p> <ul style="list-style-type: none"> <li>○ Straight line graphs</li> <li>○ Solving equations using flow charts</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 have passed their Functional Skills Level 1 exam and achieved a Grade 2-3 in their GCSE exam</b></p>

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Year 11 -Mr Duncan	<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 using flow charts</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 have achieved a Grade 3-5 in their GCSE exam.</b></p>