

	Term 1: Sept –Dec Content	Term 2: Jan-April Content	Term 3: April - July Content	Desired end of year outcomes
Year 9-Miss Jacob	<p>Students are working towards Pearson Edexcel Functional Skills Entry Level 1</p> <p>Number and Place Value</p> <ul style="list-style-type: none"> o Read numbers to 20 o Write numbers to 20 in words and numbers o Compare numbers to 20 o Count on and back from any number below 20 o Understand and apply key language: digits, units, tens, difference, order, compare, most, least, fewer, greatest, smallest o Understand the place of a number determines its value. <p>Addition and Subtraction</p> <ul style="list-style-type: none"> o Add numbers which total up to 20 o Subtract numbers from numbers up to 20 o Solve one step word problems with numbers up to 20 o Recognise and interpret mathematical signs +, -, = and use appropriately o Represent and use number bonds and related subtraction facts within 20 o Add and subtract one-digit and two-digit numbers to 20, including zero. o Solve one-step and missing number problems o Understand the language "put together", "altogether", "add," total", "take away", "difference", "between", "more than" and "less than" <p>Multiplication and Division</p> <ul style="list-style-type: none"> o Count in multiples of twos o Count in multiples of fives o Count in multiples of tens o Solve one-step problems involving multiplication and division, using concrete objects, pictorial representations and arrays with the support of the teacher. 	<p>Students are working towards Pearson Edexcel Functional Skills Entry Level 1</p> <p>Number and Place Value</p> <ul style="list-style-type: none"> o Read monetary denominations o Write monetary denominations o Recognise coins and notes o Understand the value of £ and p o Begin to recognise number patterns including evens and odds o Able to represent numbers on a number line <p>Addition and Subtraction</p> <ul style="list-style-type: none"> o Represent and use number bonds and related subtraction facts within 20 o Add and subtract one-digit and two-digit numbers to 20, including zero. o Solve one-step and number problems o Add and subtract amounts of money, measurement and time. <p>Multiplication and Division</p> <ul style="list-style-type: none"> o Counting in 5s o Count in 2s & 5s from different starting points <p>Shape, Space and Measure</p> <ul style="list-style-type: none"> o Know the days of the week, months of the year and seasons and to be able to sequence them. o Describe and make comparisons between measure of items including size, length, width and height. o Identify and recognised common 2-D and 3-D shapes. o Use positional language to describe position and direction. o Read 12-hour digital and analogue clocks in hours. 	<p>Students are working towards Pearson Edexcel Functional Skills Entry Level 1</p> <p>Number and Place Value</p> <ul style="list-style-type: none"> o Use mathematical symbols to compare numbers o Recognise patterns in numbers and identify inconsistencies. o Represent numbers to 20 in a variety of ways o Apply mathematical language to compare number o Count and compare units of measure <p>Addition and Subtraction</p> <ul style="list-style-type: none"> o Use a calculator to solve calculations o Understand the different functions of a calculator o Add and subtract units of measure (length, width, height) o Solve addition and subtraction word problems (one and two step) with numbers up to 20 o Calculate numbers from data <p>Data Handling</p> <ul style="list-style-type: none"> o Read numerical numbers from a list o Sort and classify objects using a single criterion o Read and draw simple charts o Analyse data o Gather data using a tally o Present data using bar graphs/pictograms o Interpret data 	<p>Students achieve the Pearson Edexcel Functional Skills Entry Level 1</p> <p>Count confidently in 2s, 5s & 10s and apply to mathematical concepts.</p> <p>Recognise accurately and represent numbers to 20.</p> <p>Know addition and relation subtraction facts with numbers to 20.</p> <p>Be secure with number bonds to 10</p> <p>Understand the sequencing of time; seconds, minutes, hours, days, weeks, months year.</p> <p>Recognising a quarter as one of four equal parts.</p> <p>Recognising different coins and notes.</p> <p>Use appropriate measure for purpose.</p> <p>Tell and draw the time to the hour and half past on a clock.</p> <p>Identify and recognise common 2-D and 3-D shapes and explain some of their properties. .</p> <p>Extension Make links between multiplication and division and addition and subtraction.</p> <p>Know number bonds to 20</p>

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Year 9 -Mrs Shaw	<p>Year 9 are currently working on completing the KS3 curriculum and working towards Pearson Edexcel Functional Skills Level 1</p> <p>Number</p> <p>Place value</p> <ul style="list-style-type: none"> ○ Integers ○ Decimals ○ Measures ○ Ordering numbers – integers ○ Ordering numbers – decimals <p>Addition and Subtraction</p> <ul style="list-style-type: none"> ○ Addition and subtraction – mental and written methods <p>Multiplication and Division</p> <ul style="list-style-type: none"> ○ Multiplication by 2, 3, 4, 5 and 10 ○ Division by 2, 3, 4, 5 and 10 <p>Statistics</p> <ul style="list-style-type: none"> ○ Pictograms – interpreting ○ Pictograms – drawing ○ Bar charts – interpreting ○ Bar charts – drawing ○ Frequency tables – ungrouped data 	<p>Algebra</p> <ul style="list-style-type: none"> ○ Coordinates – 1st quadrant ○ Coordinates – all 4 quadrants <p>Ratio</p> <ul style="list-style-type: none"> ○ Introduction to ratio – real-life contexts ○ Introduction to ratio – shading ○ Unit conversions <p>Probability</p> <ul style="list-style-type: none"> ○ The probability scale <p>Geometry</p> <ul style="list-style-type: none"> ○ Basic geometric definitions ○ Properties of circles ○ Line symmetry ○ Reflection – horizontal & vertical mirror line ○ Reflection – diagonal mirror lines ○ Translation ○ Rotation ○ Rotational symmetry 	<p>Number</p> <ul style="list-style-type: none"> ○ Units – length, mass and capacity ○ Units – time ○ Units – money ○ Reading scales <p>Algebra</p> <ul style="list-style-type: none"> ○ Algebraic vocabulary ○ Formulae expressed in words ○ Algebraic notation <p>Geometry</p> <ul style="list-style-type: none"> ○ Perimeter ○ Area ○ Measuring and drawing angles ○ Polygons ○ 3D shapes – properties, models, nets 	<p>Students successfully complete the KS3 objectives and are ready to begin Edexcel Functional Skills Entry Level 1</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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Year 9-Mrs Nowacka	<p>Number and Place Value</p> <ul style="list-style-type: none"> -Count with numbers from 1 to 20 and place them in order. -Read and write numbers from 1 to 20 in numerals and words. -Use number bonds to ten -Identify and represent numbers using objects to 20. -Identify number before/1 more and after/1 less than a given number to 20 -Recognise the place value of each digit in two-digit number (tens/ones) <p><u>Extension:</u></p> <ul style="list-style-type: none"> -Count, read and write numbers to 100 in numerals. -Place numbers on a number line to 100 and other pictorial representations. -Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. -Identify 1 more or 1 less than a given number to 100 <p>Addition and Subtraction</p> <ul style="list-style-type: none"> -Understand addition as counting on and subtraction as counting back. -Add two 1-digit numbers and count on to find the answer using visual cues -Take away two 1-digit numbers and count back using visual cues. <p><u>Extension:</u></p> <ul style="list-style-type: none"> -Use number bonds to 10 to solve simple problems. -Add and take away 1-digit and 2-digit numbers to 20, including zero. 	<p>Addition and Subtraction</p> <ul style="list-style-type: none"> -Read, write and interpret mathematical statements involving +, – and = Understand put together, altogether, add, total, take away, distance between, difference, between, more than, less than -Use the language of most and least <p><u>Extension:</u></p> <ul style="list-style-type: none"> -Represent and use number bonds within 20 (understand the effect of + 0) - Solve 1-step problems that involve + and -, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$. -Begin recognising number patterns including evens and odds -Count in multiples of 2, 5 and 10 from different starting points. <p>Multiplication and Division</p> <ul style="list-style-type: none"> -Count in multiples of 2, 5 and 10 -Solve problems including doubling halving and sharing <p><u>Extension:</u></p> <ul style="list-style-type: none"> -Solve one-step problems involving \times and \div, by calculating the answer using concrete objects, pictorial representations and arrays with support <p>Fractions</p> <ul style="list-style-type: none"> -Recognise, find and name a $\frac{1}{2}$ as one of 2 equal parts and $\frac{1}{4}$ as one of 4 equal parts of an object or shape <p><u>Extension:</u></p> <ul style="list-style-type: none"> -Recognise, find and name a $\frac{1}{2}$ as one of 2 equal parts and $\frac{1}{4}$ as one of 4 equal parts of a quantity. -Make connections between $\frac{1}{2}$ and $\frac{1}{4}$ 	<p>Measurement</p> <ul style="list-style-type: none"> -Use everyday language to talk about time and money to compare quantities and solve problems. -Read the time on an analogue clock to o'clock and half past -Sequence events in chronological order using time related language. -Recognise and know the value of different denominations of coins and notes <p><u>Extension:</u></p> <ul style="list-style-type: none"> -Compare and solve practical problems for lengths and heights, mass and weights, capacity and volume and time e.g long/short, longer/shorter, tall/short, double/half, heavier, lighter, full/empty, more than half, quicker/slower, earlier/later -Recognise and use language relating to dates, including days of the week, weeks, months and years -Find different combinations of coins that equal the same amount of money. <p>Position and Direction</p> <ul style="list-style-type: none"> -Describe position, direction and movement using everyday language. <p><u>Extension:</u></p> <ul style="list-style-type: none"> -Describe position, direction and movement using language of direction. -Recognise the word clockwise -Recognise and use physical movement to show whole, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{3}{4}$ turns. 	<p>Counting confidently forwards and backwards to 100.</p> <p>Recognising place value of each digit in two-digit numbers.</p> <p>Understanding addition as counting on and subtraction as counting back.</p> <p>Counting in 2s, 5s and 10s & link this to repeated addition and subtraction.</p> <p>Recognising a half as one of two equal parts.</p> <p>Recognising a quarter as one of four equal parts.</p> <p>Recognising different coins and notes.</p> <p>Finding different combinations of coins that equal the same amount of money.</p> <p>Using mathematical language to sequence everyday events.</p> <p>Naming and ordering days of the week and months of the year.</p> <p>Read the time on an analogue clock to o'clock and half past.</p>

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YEAR 9 – Miss Kane	<p>Number and Place Value</p> <ul style="list-style-type: none"> - Read, write and order numbers to 1000. - Recognise the place value of each digit in numbers up to 1000. <p>Multiplication</p> <ul style="list-style-type: none"> - Recall multiplication and division facts for 3,4 and 8-times tables. <p>Fractions</p> <ul style="list-style-type: none"> - Recognise, find and write fractions of a set of objects, with small denominators. - Add and subtract fractions with the same denominators within one whole. - Use diagrams to show equivalent fractions. <p>Measures</p> <ul style="list-style-type: none"> - Use appropriate time vocabulary. - Know the number of seconds in a minute, days in a month, year and leap year. <p>Shape</p> <ul style="list-style-type: none"> -Measure the perimeter of simple 2D shapes. -Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. - Recognise angles as a property of a shape. Identify right angles within shapes. 	<p>Number and Place Value</p> <ul style="list-style-type: none"> -Estimate numbers using different representations. - Count from 0 in 4s and 8s. <p>Addition and Subtraction</p> <ul style="list-style-type: none"> - Add and subtract numbers mentally up to 1000. - Add and subtract numbers up to 1000 using the formal written method. <p>Multiplication and Division</p> <ul style="list-style-type: none"> - Use written multiplication and division methods, introduce two-digit by one-digit multiplication. <p>Fractions</p> <ul style="list-style-type: none"> -Compare and order fractions with the same denominator. - Count in tenths. - Begin to place fractions on a number line. <p>Measures</p> <ul style="list-style-type: none"> -Estimate and read time with increasing accuracy to the nearest minute. 	<p>Number and Place Value</p> <ul style="list-style-type: none"> - Solve missing number problems using number facts, place value and addition and subtraction. <p>Measures</p> <ul style="list-style-type: none"> - Record and compare time in seconds, minutes and hours. - Add and subtract amounts of money to give change. - Solve problems using a variety of units of measure. <p>Shape</p> <ul style="list-style-type: none"> -Identify whether angles are greater than or less than a right angle. -Draw simple 2D shapes. <p>Statistics</p> <ul style="list-style-type: none"> -Interpret and present data using bar charts, pictograms and tables. 	<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 9 – Mr Duncan	<p>Addition and Subtraction Adding and subtracting, up to 3 digits, with borrowing and carrying.</p> <p>Number topics Factors, ratio, percentage of a number. Decimals. Factors. HCM/LCM Prime numbers.</p> <p>Multiplication and Division Multiplying and dividing up to 3 digit numbers by one digit. With remainders. Times table practise.</p> <p>Fractions Basic fractions followed by equivalent fractions. Adding and subtracting fractions with the same denominator. Fraction of a number. 4 rules for fractions Mixed numbers to improper fractions.</p> <p>Measures Measuring and drawing angles. Properties of 2D shapes. Converting metric units</p> <p>Statistics Bar graphs, drawing and interpreting. Averages. Pie charts.</p>	<p>Number and Place Value Using place value to compare numbers and solve problems.</p> <p>Properties of Shape -Recognise, name, sort and describe properties of common 2D and 3D shapes and draw common 2D shapes -</p> <p>Fractions Revise previous work and extend to adding and subtracting fractions with different denominators. Multiply and divide fractions.</p> <p>Measures Use varied vocabulary (long/short/heavy light/full/empty/quick/slow/early/late) Measure and record capacity, length, weight and time</p> <p>Algebra Collecting terms Multiplying terms Expanding a bracket. Solving linear equations.</p>	<p>Number and Place Value Using place value to compare numbers and solve problems.</p> <p>Addition and Subtraction Adding and subtracting, up to 3 digits, with borrowing and carrying.</p> <p>Multiplication and Division Multiplying and dividing up to 3 digit numbers by one digit. With remainders. Times table practise.</p> <p>Measures Comparison of metric units and Imperial. Use varied vocabulary (long/short/heavy light/full/empty/quick/slow/early/late) Measure and record capacity, length, weight and time. Using correct units.</p> <p>Algebra Collecting terms Multiplying terms Expanding a bracket. Solving linear equations.</p>	<p>Students fluent in using 4 rules of arithmetic.</p> <p>Recall of basic number skills eg. Fraction of a number. Percentage of a number. Dividing in a ratio.</p> <p>Fraction skills up to and including adding and subtracting fractions with different denominators.</p> <p>Good algebra skills.</p> <p>Awareness of conversion of metric and Imperial units.</p> <p>Knowledge of properties of basic shapes.</p> <p>Understanding of basic statistics.</p> <p>Improved times table recall.</p> <p>Problem solving skills</p>