

## Maths overview Year 2018 to 2019 - Castledon Sixth Form College

Year Group	Autumn - Term 1	Spring - Term 2	Summer - Term 3
	<p><b>Tally and Charts</b> Tally objects or events. Complete tally charts which include numerical frequency.</p> <p><b>Ordering and reading numbers</b> Write, order and verbalise whole numbers up to ten.</p> <p><b>Lengths and Estimating</b> visually compare lengths. Use a ruler to draw and measure lines in cm (to the nearest cm) and mm (to the nearest 5mm) understand and use terms such as 'longer than', 'longest', 'shortest', shorter than'</p> <p><b>Number Vocabulary</b> Understand vocabulary associated with the comparison of number eg, more than, less than, greater than etc.</p> <p><b>Lists and Two Way Tables.</b> Extract information from a printed list with a maximum of 2 columns.</p> <p><b>Addition and Subtraction</b> Use apparatus to add and subtract numbers to 10. Recall addition and subtraction facts up to 10.</p> <p><b>Recognising and Classifying 2D Shapes.</b> Draw a simple plane shape on a square grid. Know the terms square and rectangle and use simple properties of these shapes. Know the terms circle. Square, rectangle, triangle and star.</p> <p><b>Odd and Even. Rounding.</b> Recognise the odd and even numbers from 1 to 10. Recognise the odd and even numbers from 1 to 50.</p> <p><b>Multiplying and Dividing by 10.</b> Multiply a whole number by 10. Multiply a whole number by 10, recognise when numbers can be divided by 10 (to give whole number answer).</p> <p><b>Time tables.</b> Recall all times tables.</p>	<p><b>Using a calculator - in worded questions.</b> Add or subtract two or more whole numbers on a calculator. Add or subtract multi-step questions on a calculator.</p> <p><b>Decimals.</b> Write and order numbers up to 100, enter and interpret numbers on a calculator.</p> <p><b>Angles</b> Recognise a right angle. Recognise right angles and angles smaller or larger than a right angle.</p> <p><b>Problem Solving</b> Solve problems involving addition and subtraction involving whole numbers less than 10. Choose the appropriate operation (- and +) to solve simple operations.</p> <p><b>Calendars</b> Know the months of the year. Order the months of the year both written and numerical.</p> <p><b>In-between. More or Less</b> Give a number lying between 2 other numbers between 1 and 10. Give one or more numbers lying between two other numbers up to 50</p> <p><b>Thousands and Millions</b> Order thousands and millions numbers.</p> <p><b>Shape Patterns - Inc 3D Shape</b> Sort and Classify shapes using everyday language, e.g flat curved, rounded, straight, sides and corners. Identify pictures of 3d objects.</p> <p><b>Missing Numbers</b> Find the missing whole number, represented by a box or other symbol and not exceeding ten</p> <p><b>Weights</b> Compare weights of common objects including using terms such as heavier than, lighter than, heaviest and lightest. Judge whether an object weighs more or less than a kg. Weigh objects less than 1kg with scales.</p>	<p><b>Sequences</b> Recognise and continue repeating patterns, counting the number of objects in each repeat. Recognise and continue number patterns. Complete a sequence in 2s,5s, 10s up to 30 Count backwards in 3 or 4s</p> <p><b>Units of measure</b> Can use cm after a measurement. Recognise the following abbreviations for units, cm,mm, m , kg,l. Read and mark a scale or dial whose divisions represent 1, which are labelled in 1's or 2's. Read scales showing temperatures above zero and compare positive temperatures.</p> <p><b>Fractions</b> Recognise a half. Recognise half quarter and <math>\frac{3}{4}</math> quarters in words and numbers. Represent these fractions in diagrams (fractions may be given in words or digits) Recognise that two halves or four quarters make one whole and that <math>\frac{2}{4}</math> is equivalent to <math>\frac{1}{2}</math>.</p> <p><b>Time</b> Use language associated with time eg morning afternoon, evening and night. Understand and use am/pm method of stating time. Read digital clocks, in hours and 5 minute intervals.</p> <p><b>Money</b> Recognise British coins in everyday use. Select coins equivalent to an amount of money up to 50p.</p> <ul style="list-style-type: none"> <li>· Give change from 50p</li> <li>· Use £ and p notation</li> </ul> <p><b>Calendar problems</b></p> <p><b>Area and Perimeter</b> Find the perimeter of simple polygons. Find the area and perimeter of squares and rectangles.</p>

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	<p><b>Symmetry, Planes of Symmetry. Rotational Symmetry.</b> Identify and draw single vertical lines of symmetry. Identify and draw single vertical lines of symmetry. Understand the terms symmetry and symmetrical</p> <p><b>Number - calculator work.</b> Use a calculator correctly for addition and subtraction sums. Use a calculator correctly for all four operations.</p> <p><b>Shape Patterns.</b> Recognise and continue simple repeating spatial patterns. Recognise and continue simple and more complex repeating spatial patterns</p>		
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