


## Maths KS5 Consolidation SOW Cover Page

	<b>Pathway:</b> 3/4	<b>Key Stage:</b> 5	<b>Term:</b> Autumn/ Spring/ Summer
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**Learning Intention:** To allow pupils to consolidate their basic maths skills and further practise key skills to allow them to recognise and use maths in a generalised environment. Spiral learning will allow pupils to revisit key concepts, whilst building on skill and generalisation. Pupils will focus on topics: properties of number, the four operations, money, calendar and time, geometry, ratio and fractions, measurement and statistics. All topics are based on Key Stage 1 and 2 programme of study (see cover sheets for further information).

<b>Key knowledge that should be learned during this SoW</b>	<b>All</b>	<b>Most</b>	<b>Some</b>
<b>Concept:</b>	<ul style="list-style-type: none"> <li>● Number - to read/write/order and use numbers to 100.</li> <li>● Four operations - to use and interpret +, -, x, ÷ and = symbols.</li> <li>● Money - to understand the power of purchasing money and convert money from pounds to pence. To calculate money sums.</li> <li>● Calendar and time - to know the seasons, years, months, weeks, days. To read and show time on a digital and analogue clock.</li> <li>● Geometry - to name and</li> </ul>	<ul style="list-style-type: none"> <li>● Number - to read/write/order and use numbers to 500.</li> <li>● Four operations - to use and interpret +, -, x, ÷ and = symbols in word problem solving questions.</li> <li>● Money - to convert money from pounds to pence and total money and give change. To solve money word problems.</li> <li>● Calendar and time - to read and show time on a digital and analogue clock, including Roman Numerals and 12/24 hour conversions.</li> </ul>	<ul style="list-style-type: none"> <li>● Number - to read/write/order and use numbers to 100.</li> <li>● Four operations - to use and interpret +, -, x, ÷ and = symbols in real life situations for problem solving.</li> <li>● Money - to total money and give change and solve real life problems with what to buy and how to pay.</li> <li>● Calendar and time - to convert time between hours, minutes and seconds. To solve problems involving time.</li> <li>● Geometry - to complete tessellations and recognise</li> </ul>

	<p>describe properties of common 2d and 3d shapes.</p> <ul style="list-style-type: none"> <li>● Ratio/ fractions - to work out amounts of a fraction.</li> <li>● Measurement - to use correct standards of units when measuring.</li> <li>● Statistics - to sort and classify objects using more than one criterion.</li> </ul>	<ul style="list-style-type: none"> <li>● Geometry - To draw and recognize shapes of nets. To rotate shapes using quarters. Half, three quarter turns.</li> <li>● Ratio/ fractions - to recognise and use equivalent fractions.</li> <li>● Measurement - to compare and order units of measurement.</li> <li>● Statistics - to construct charts and graphs.</li> </ul>	<p>angles.</p> <ul style="list-style-type: none"> <li>● Ratio/ fractions - to add and subtract fractions.</li> <li>● Measurement - to convert units of measurements.</li> <li>● Statistics - to extract and use information from charts and graphs.</li> </ul>
<p><b>Knowledge and Key Skills:</b></p>	<ul style="list-style-type: none"> <li>● Number - to understand and use numbers to 100.</li> <li>● Four operations - to understand and use the symbols.</li> <li>● Money - to understand and use money.</li> <li>● Calendar and time - to understand and use time correctly.</li> <li>● Geometry - to understand and use shape knowledge.</li> <li>● Ratio and fractions - to understand and use fractions sums.</li> <li>● Measurement - to understand and use different measurements.</li> </ul>	<ul style="list-style-type: none"> <li>● Number - to use and calculate in word problems numbers to 500.</li> <li>● Four operations - to use and calculate sums using the symbols.</li> <li>● Money - to use and calculate money word problems .</li> <li>● Calendar and time - to use and calculate time word problems.</li> <li>● Geometry - to use and calculate shape word problems.</li> <li>● Ratio and fractions - to use and calculate fractions and ratio word problems.</li> <li>● Measurement - to use and</li> </ul>	<ul style="list-style-type: none"> <li>● Number - to use and generalise numbers to 1000.</li> <li>● Four operations - to use and generalise the symbols to different contexts.</li> <li>● Money - to use and generalise money problems to different contexts in real life.</li> <li>● Calendar and time - to use and generalise time knowledge to real life context.</li> <li>● Geometry - to use and generalise shape and geometry to different contexts.</li> <li>● Ratio and fractions - to use and generalise fractions and ratio problems to different</li> </ul>

	<ul style="list-style-type: none"> <li>● Statistics - to understand and use different graphs/ charts.</li> </ul>	<p>calculate measurements.</p> <ul style="list-style-type: none"> <li>● Statistics - to use and interpret different graphs/ charts.</li> </ul>	<p>contexts.</p> <ul style="list-style-type: none"> <li>● Measurement - to use and generalise measure to real life settings.</li> <li>● Statistics - to use and generalize extracted information from different graphs/ charts</li> </ul>
<p><b>Language and/or communication skills:</b></p>	<ul style="list-style-type: none"> <li>● Number - place value, 10, 100, 1000's</li> <li>● Four operations - add, subtract, times, divide, equals (other vocabulary to be used - see calculation guidance document)</li> <li>● Money - pounds, pence, coins, notes, convert, change</li> <li>● Calendar and time - seconds, minutes, hours, days, weeks, months, years, seasons</li> <li>● Geometry - two dimensional, three dimensional, tessellation, symmetry, angles, turns</li> <li>● Ratio and fractions - whole, half, quarter, three quarters, third...</li> <li>● Measurement - length, weight, height, mass, volume, capacity</li> <li>● Statistics - bar chart, line graph, tally chart, pictogram, carroll diagram</li> </ul>		
<p><b>Curricular Links</b></p>	<p>PSHCE - interacting with the public when making appointments, travelling on public transport, placing orders at restaurants etc.</p> <p>Food technology - finding and cooking recipes, costing and budgeting for them, shopping for ingredients etc.</p>		