

## ACP Learning Outline - Mathematics

<b>Unit 1: Properties of Number</b>		
<b><u>Learning Aim (WALT)</u></b>	<b><u>Activities</u></b>	<b><u>Learning Outcome (WILF)</u></b>
Read and Write Numbers	<ul style="list-style-type: none"> <li>- Write out the numbers 0-20 on some paper or card, cut them up and mix the numbers up. See how quickly you can put them into the correct order.</li> <li>- Home Learning (year 0) my number workbooks</li> <li>- Home Learning number and place value workbooks (year1-6)</li> <li>- 10ticks (L3-1)</li> <li>- 10ticks (L5-1 p28,29,32)</li> <li>- 10ticks (L6-7 p15-18)</li> </ul>	<ul style="list-style-type: none"> <li>• Count reliably up to 20 items (E1)</li> <li>• Read, write numbers to 20 in figures and words (E1)</li> <li>• Read, write numbers to 100 in figures and words (E2)</li> <li>• Read, write numbers to 1000 in figures and words (E3)</li> <li>• Find 10 or 100 more or less than a given number (E3)</li> <li>• Read and write any positive or negative integers accurately (L1)</li> </ul> <p>Read and write numbers involving powers (L1)</p>
Place Value	<ul style="list-style-type: none"> <li>- 10ticks (L4-1 p3,4) – (L3-1 p19,20,31-36)</li> <li>- Home Learning number and place value workbooks (year1-6)</li> <li>- Maths Watch p6</li> </ul>	<ul style="list-style-type: none"> <li>• Use place value to identify units and tens (E1)</li> <li>• Use place value to identify units, tens and hundreds (E2)</li> <li>• Use place value to identify digits to 1000 (E3)</li> <li>• Use place value to identify up to 3 decimal places (L1)</li> </ul>
Number Facts	<ul style="list-style-type: none"> <li>- 10ticks (L3-1 pages9,10) (L3-2 pages 33.34)</li> <li>- Home Learning (times tables: booklets, activities and games)</li> <li>- 10ticks (L5-1 L6-4 L6-7)</li> <li>- Maths Watch p22, 92, 182</li> </ul>	<ul style="list-style-type: none"> <li>• Sort numbers between 1 and 20 into odd and even (E1)</li> <li>• Sort numbers into multiples of 2, 10 and 5 (E2)</li> <li>• Sort numbers into multiple sets between 2 and 10 (E3)</li> <li>• Identify prime numbers, multiples and factors (L1)</li> <li>• Demonstrate finding HCF, LCM and prime factors (L1)</li> </ul>

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Order and Compare Numbers	<ul style="list-style-type: none"> <li>- 10ticks (L3-1 pages 37,38,41-44)</li> <li>- Home Learning number and place value workbooks (year1-6)</li> <li>- Maths Watch p8</li> </ul>	<ul style="list-style-type: none"> <li>• Order and compare numbers up to 20. Using a number line(E1)</li> <li>• Order and compare numbers up to 200. (E2)</li> <li>• Order and compare numbers up to 1000. (E3)</li> <li>• Use symbols to compare numbers (E3)</li> <li>• Order and compare number lists including negative numbers (L1)</li> <li>• Order and compare number lists involving decimal numbers (L1)</li> </ul>
Approximating	<ul style="list-style-type: none"> <li>- 10Ticks (L3-1 pages 7,8)</li> <li>- Home Learning number and place value workbooks (year1-6)</li> <li>- Maths Watch p10, 32, 44, 190, 239</li> </ul>	<ul style="list-style-type: none"> <li>• Approximate by rounding to the nearest 10 and use this rounded answer to check results. (E2)</li> <li>• Approximate by rounding numbers less than 1000 to the nearest 10 or 100. (E3)</li> <li>• Identify significant figures (L1)</li> <li>• Round numbers to a specific number of significant figures and use to estimate results of calculations (L1)</li> <li>• Identify bounds of rounding (L2)</li> </ul>
Learning Review	<p><i>Reviewing progress activities – complete the appropriate tasks below - mark and record score – gap analysis for topics (RAG) ready for when we return and review the learning area in subsequent years.</i></p> <ol style="list-style-type: none"> <li>1) <b>GCSE 1-2 &amp; Entry Level - AQA Entry Level Number Properties</b> – complete assignment paper A -</li> <li>2) <b>GCSE 3-5 &amp; Functional Skills</b> <ol style="list-style-type: none"> <li>a) Rounding</li> <li>b) Ordering Numbers</li> <li>c) Factors &amp; Multiples</li> <li>d) Powers &amp; Square Roots</li> <li>e) Indices (grade 4+)</li> </ol> </li> </ol>	