

ACP Learning Outline – Mathematics

Unit 2: The Four Operations		
<u>Learning Aim (WALT)</u>	<u>Activities</u>	<u>Learning Outcome (WILF)</u>
Addition Skills	<ul style="list-style-type: none"> - Home Learning (year 1 – 5) Addition and Subtraction workbooks - 10 Ticks (L4-1 page 3, 5, 9, 13, 17) - 10 Ticks(L4-2 p33-34, 36,39,40) 	<ul style="list-style-type: none"> • Add numbers that total up to 20 (E1) • Add whole numbers with a total up to 100 (E2) • Add three-digit whole numbers (E3) • Add negative and positive numbers confidently (L1)
Subtraction Skills	<ul style="list-style-type: none"> - Home Learning (year 1 – 5) Addition and Subtraction workbooks - 10 Ticks (L4-1 page 3, 5, 15, 19) 	<ul style="list-style-type: none"> • Subtract numbers from numbers up to 20 (E1) • Subtract two-digit numbers (E2) • Subtract three-digit whole numbers (E3) • Use inverse operations to find missing numbers and check answers(E3) • Subtract negative and positive numbers confidently (L1)
Problem Solving 1: Addition and Subtraction	<ul style="list-style-type: none"> - 10 ticks (L4-1 page 4, 14, 16, 18, 20-26) - MyMaths (number) : add subtract mental, add subtract written, 	<ul style="list-style-type: none"> • Understand and use + and – signs to solve simple number problems (E1) • Use and interpret use of + and – in simple real-life problems (E2) • Use and interpret symbols and words in real-life situations to solve problems (E3) • Apply addition and subtraction in context including use of negative and decimal values (L1)
Multiplication	<ul style="list-style-type: none"> - Home Learning (year 1-5) Multiplication and Division Workbooks - 10 ticks (L4-2 page 3-5, 9, 15-18) - 10 ticks (L5-1 page 3-8) - 10Ticks (L6-4 p19,20,23) 	<ul style="list-style-type: none"> • Multiply using single digit whole numbers E2) • Recall and use multiplication facts for the 2, 5 10 times tables (E2) • Multiply two-digit whole numbers by single-digit and two-digit whole numbers (E3) • Recall and use multiplication facts for the 3, 4 and 8 times tables (E3) • Multiply using negative values (L1)

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Division	<ul style="list-style-type: none"> - Home Learning (year 1-5) Multiplication and Division Workbooks - 10 ticks (L4-2 page 6, 10, 12, 15-18) - 10 ticks (L5-1 page 9, 10) 	<ul style="list-style-type: none"> • Divide two-digit whole numbers by single-digit whole numbers and express remainders (E2) • Divide three-digit whole numbers by single and two-digit whole numbers and express remainders (E3) • Use inverse operations to find missing numbers and check solutions (E3) • Divide using negative values (L1)
Problem Solving 2: Multiplication and Division	<ul style="list-style-type: none"> - 10 ticks (L4-2 page 7, 8, 13, 14) - 10 ticks (L5-1 page 11, 12) - MyMaths (Number) – multiply/divide mental; multiply/divide written 	<ul style="list-style-type: none"> • Use and interpret use of \times and \div in simple real-life problems (E2) • Use and interpret symbols and words in real-life situations to solve problems (E3) • Estimate the answer to a problem (E3) • Solve calculations using BIDMAS (L1) • Use rules for multiple symbols when calculating (L1)
Calculating Using Powers of 10	<ul style="list-style-type: none"> - 10ticks: L5-1, L6-4 - MyMaths (Number) – multiply divide mental (multiply divide by 10, 100); 	<ul style="list-style-type: none"> • Recall and place value to multiply and divide by 10 (E1) • Recall and use place value to multiply and divide by 10, 100 (E2) • Recall and use place value to multiply and divide by 10, 100, 1000 (E3) • Apply place value knowledge to multiply and divide using powers of 10 (L1)
Progress Check	<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"> 1) GCSE 1-2 & Entry Level - AQA Entry Level Four Operations – complete assignment paper A - 2) GCSE 3-5 & Functional Skills <ol style="list-style-type: none"> a) Basic number b) Basic decimal c) Estimation d) Standard form (grade 4+) 	