



ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE: Bright sparks. LS 9 Add and subtract using a range of strategies and LS 10 Add and subtract using formal written method.

YEAR GROUP: 5

TERM: Autumn 2

<p>Vocabulary</p> <ul style="list-style-type: none">- Rounding- Regroup- Equal sum/ equal difference- Place value- Estimating- Reasoning	<p>Skills</p> <ul style="list-style-type: none">- Rounding with larger numbers and decimals.- Using place value knowledge to compare numbers.- Regrouping to support mental calculations.- Rebalancing (equal sum).- Equal difference.- Applying rounding techniques to a question presented in the formal method to create a good estimate.- Apply reasoning skills to identify missing digits in calculations.	<p>What we already know</p> <ul style="list-style-type: none">- Building on reading, writing and comparing larger numbers and decimals.- Year 3 and 4 – rounding.- Year 4 LS 3 - Equal sum and equal difference.- Year 3 and 4 – column addition and subtraction including regrouping.												
<p>Illustration</p> <p>$£7.99 - £3.44 =$</p> <p>$£7.99 \approx £8.00$ $£3.44 \approx £3.00$ $8 - 3 = £5$</p> <p>$0.3 + 0.81$</p> <p>I would regroup the 0.81 into 0.7 and 0.11 because then $0.3 + 0.7$ makes the whole. $0.3 + 0.7 + 0.11 = 1.11$</p> <table border="1"><tr><td>5</td><td>6</td><td>□</td><td>4</td></tr><tr><td>-</td><td></td><td>3</td><td>□</td></tr><tr><td>5</td><td>6</td><td>5</td><td>9</td></tr></table>	5	6	□	4	-		3	□	5	6	5	9	<p>Application/Outcomes</p> <ul style="list-style-type: none">- Jottings to support mental calculations.- Using place value knowledge, calculate mentally without the need to regroup.- Use of dienes (base ten equipment) to support mental calculations when needing to regroup.- Written outcomes showing estimates before completing column formal method.- Identifying, and correcting, common errors made when using the formal method for addition and subtraction.- Complete missing digit calculations supported by a reasoning speaking frame.	<p>Concepts</p> <ul style="list-style-type: none">- Mental calculation strategies.- Formal calculation strategies.- Rebalancing changes how we see the calculation but the answer stays the same.- Formal column method for addition and subtraction.
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