

Medium Term Plan 2021/22 Subject: Maths Term: Autumn 1 Topic from LTP: Numbers, Place Value and the Number System Lessons per week: 4 Group(s): Core Rowsell, Core Wood, Core Johnson

How this scheme of work links to school vision and values (wellbeing, independence, communication, achievement):

Independence: Students will undertake tasks which require working independently i.e. the Kahoot quizzes, therefore increasing their self-confidence and abilities to work as individuals.

Communication: Students will work on communication through group work and undertaking tasks which require working with others. Also contributing to work, as a whole class, i.e. the clicker 7 posters.

Achievement: Students will demonstrate achievement by undertaking practice exam questions, with the skills they have developed and consolidated, in their maths lessons. These skills and independence will transfer to when they undertake exams.

	Topic	Learning Objectives	Tasks	Assessed LO
W1	Numbers, Place Value and Number System	<p>EL1 – To be able to recognise +, - and = signs appropriately.</p> <p>EL2 – To be able to recognise +, -, x, ÷ and = appropriately.</p> <p>EL3 - To be able to recognise +, -, x, ÷ and = appropriately.</p> <p>Level 1 - To be able to recognise +, -, x, ÷ and = appropriately.</p> <p>Level 2 + - To be able to recognise +, -, x, ÷ and = appropriately.</p>	<ul style="list-style-type: none"> • Baseline assessment activities • Clicker board on addition/subtraction/multiplication/division • Practice exam questions (specific to LS/exam) • Recap quiz at the end of the week 	

W2

Numbers,
Place Value
and Number
System

EL1 – To be able to **add** and **subtract** numbers up to 20.

EL2 – To be able to **add and subtract two-digit numbers**.

EL3 – To be able to **add and subtract three-digit whole numbers**.

Level 1 – To be able to **multiply and divide whole numbers and decimals by 10, 100, 1000**.

Level 2 + – **To be able to work out calculations with numbers up to one million** (including strategies to check answers including estimation and approximation.)

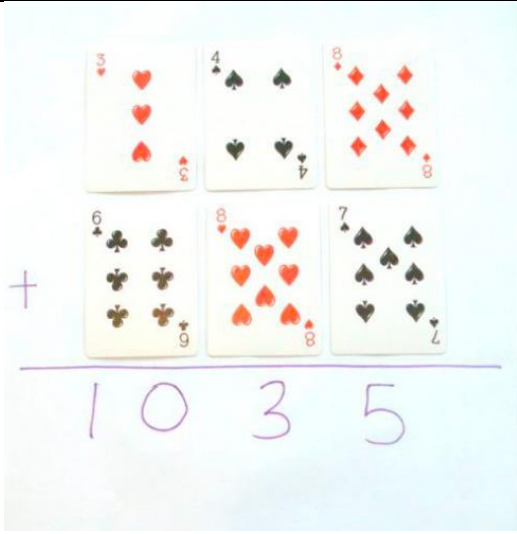
Each week will look slightly different, depending on the class and their level of ability. Lessons to be quite free-flow and target need areas.

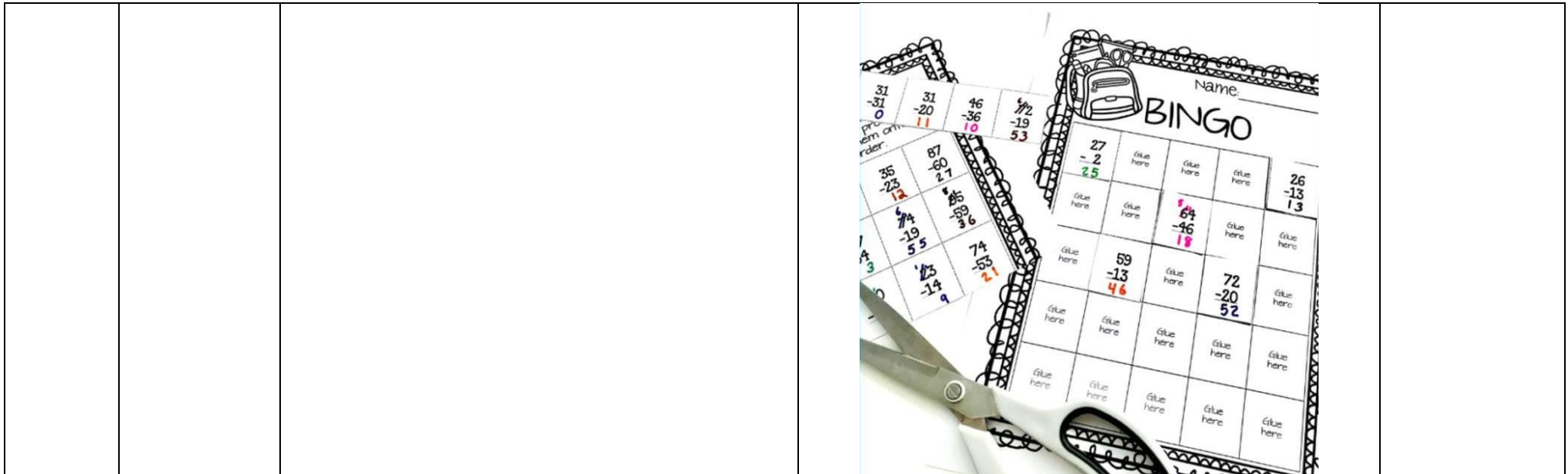
Addition Focus Week

- Whole class teach of column method (also a focus on carrying)
- Differentiated carousel of addition tasks – split into two ability-based groups
- Practice exam questions
- Play a game of addition jenga (using whiteboards)



- Could do an activity with playing cards too

				
W3	Numbers, Place Value and Number System	<p>EL1 – To be able to add and subtract numbers up to 20.</p> <p>EL2 – To be able to add and subtract two-digit numbers.</p> <p>EL3 – To be able to add and subtract three-digit whole numbers.</p> <p>Level 1 – To be able to multiply and divide whole numbers and decimals by 10, 100, 1000.</p> <p>Level 2 + – To be able to work out calculations with numbers up to one million (including strategies to check answers including estimation and approximation.)</p>	<p>Each week/lesson will look slightly different, depending on the class and their level of ability. Lessons to be quite free-flow and target need areas.</p> <p><u>Subtraction Focus Week</u></p> <ul style="list-style-type: none"> • Whole class teach of column method (also a focus on regrouping) • Small group activities – split into regrouping focus and non- regrouping focus • Subtraction challenges • Play a game of subtraction bingo 	



W4

Numbers,
Place Value
and Number
System

Measure

EL1 – To be able to **add** and **subtract** numbers up to 20.

EL2 – To be able to **add and subtract two-digit numbers**.

EL3 – To be able to **add and subtract three-digit whole numbers**.

Level 1 – To be able to **multiply and divide whole numbers and decimals by 10, 100, 1000**.

Level 2 + – **To be able to work out calculations with numbers up to one million** (including strategies to check answers including estimation and approximation.)

Each week will look slightly different, depending on the class and their level of ability. Lessons to be quite free-flow and target need areas.

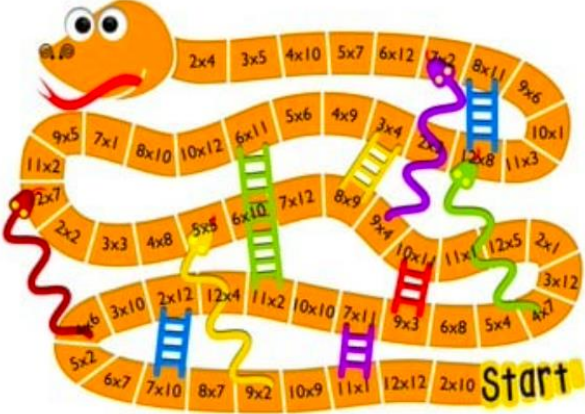
Subtraction Focus Week

- Reconsolidate borrowing while subtracting
- Use dice activity to support understanding and/or continue to reconsolidate regrouping



- Practice exam questions
- Recap quiz at the end of the week

<p>W5</p>	<p>Numbers, Place Value and Number System</p> <p>Measure</p>	<p>EL1 – To be able to add and subtract numbers up to 20.</p> <p>EL2 – To be able to add and subtract two-digit numbers.</p> <p>EL3 – To be able to add and subtract three-digit whole numbers.</p> <p>Level 1 – To be able to multiply and divide whole numbers and decimals by 10, 100, 1000.</p> <p>Level 2 + – To be able to work out calculations with numbers up to one million (including strategies to check answers including estimation and approximation.)</p>	<p>Each week/lesson will look slightly different, depending on the class and their level of ability. Lessons to be quite free-flow and target need areas.</p> <p><u>Division Focus Week</u></p> <ul style="list-style-type: none"> • Whole class focus on the bus stop method, for addition (try sharing, should some students find this hard) • Differentiated carousel of division tasks – focus on sharing, using different foods (HA students can use bus stop method and food to check answers) • Division Challenges • Scavenger hunt 	
<p>W6</p>	<p>Numbers, Place Value and Number System</p> <p>Measure</p>	<p>EL1 – To be able to add and subtract numbers up to 20.</p> <p>EL2 – To be able to add and subtract two-digit numbers.</p> <p>EL3 – To be able to add and subtract three-digit whole numbers.</p> <p>Level 1 – To be able to multiply and divide whole numbers and decimals by 10, 100, 1000.</p> <p>Level 2 + – To be able to work out calculations with numbers up to one million (including</p>	<p>Each week/lesson will look slightly different, depending on the class and their level of ability. Lessons to be quite free-flow and target need areas.</p> <p><u>Division/Multiplication Focus Week</u></p> <p>Re-cap any areas of difficulty from previous week</p> <ul style="list-style-type: none"> • Reconsolidate bus stop method or sharing for LA students (split into a small group if necessary) • Begin to introduce multiplication and whole class teach on short multiplication. • Consolidate short multiplication with practice questions • Snakes & ladders multiplication game 	

		strategies to check answers including estimation and approximation.)		
W7	Numbers, Place Value and Number System Measure	<p>EL1 – To be able to add and subtract numbers up to 20.</p> <p>EL2 – To be able to add and subtract two-digit numbers.</p> <p>EL3 – To be able to add and subtract three-digit whole numbers.</p> <p>Level 1 – To be able to multiply and divide whole numbers and decimals by 10, 100, 1000.</p> <p>Level 2 + – To be able to work out calculations with numbers up to one million (including strategies to check answers including estimation and approximation.)</p>	<p>Each week/lesson will look slightly different, depending on the class and their level of ability. Lessons to be quite free-flow and target need areas.</p> <p><u>Multiplication Focus Week</u></p> <p>Re-cap any areas of difficulty from previous week with short multiplication</p> <ul style="list-style-type: none"> • Introduce and teach long multiplication • Consolidate long multiplication with practice questions • Mixed worksheet, try all operation's and to identify any problem areas • End of term Kahoot/quiz on the four operations four operations 	

Trips which accompany this topic: