

Medium Term Plan 2021/22
Systems Lessons per week: 4

Subject: Maths Term: Autumn 1 Topic from LTP: Numbers, Place Value and Number
Group(s): Tomlin, Fuller

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	LS9 – LS15 – To be able to work efficiently and accurately.	<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	LS9 – To be able to + and—1 and 2-digit numbers using 0-20 (including missing no. problems) LS10 – To be able to + and - two 2-digit numbers and 3 one-digit numbers.	<p>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.</p> <p><u>Addition Focus Week</u></p> <ul style="list-style-type: none"> • Whole class teach of column method (also a focus on carrying) 	

LS11 – To be able to + and - numbers up to 3 digits with regrouping using the column method.

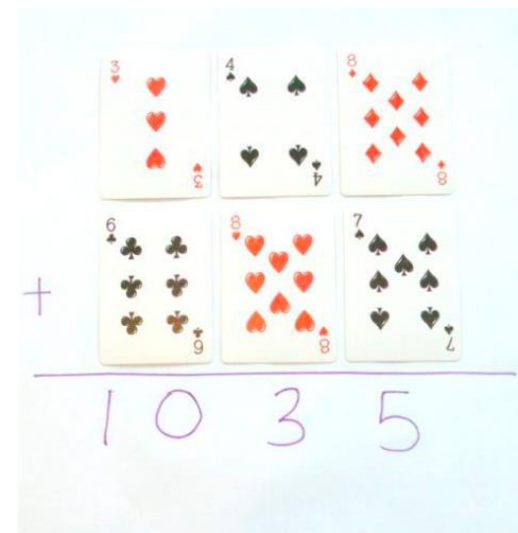
LS12 – To be able to + and - up to 10,000 with regrouping (using column method).

LS15 – To be able to use their knowledge of the order of operations to carry out calculations involving all 4 operations.

- 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

LS9 – To be able **to + and—1 and 2-digit numbers using 0-20** (including missing no. problems)

LS10 – To be able **to + and - two 2-digit numbers and 3 one-digit numbers.**

LS11 – To be able to **+ and - numbers up to 3 digits with regrouping using the column method.**

LS12 – To be able to **+ and - up to 10,000 with regrouping** (using column method).


LS15 – To be able **to use their knowledge of the order of operations to carry out calculations involving all 4 operations.**

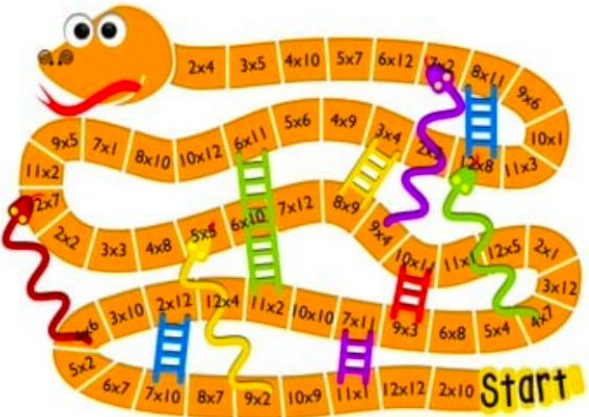
Each week will look slightly different, depending on the class and their level of ability. Lessons to be quite free-flow and target need areas.

Subtraction Focus Week

- 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



<p style="text-align: center; font-size: 24pt; font-weight: bold;">W4</p>	<p style="text-align: center;">Numbers, Place Value and Number System</p>	<p>LS9 – To be able to + and—1 and 2-digit numbers using 0-20 (including missing no. problems)</p> <p>LS10 – To be able to + and - two 2-digit numbers and 3 one-digit numbers.</p> <p>LS11 – To be able to + and - numbers up to 3 digits with regrouping using the column method.</p> <p>LS12 – To be able to + and - up to 10,000 with regrouping (using column method).</p> <p>LS15 – To be able to use their knowledge of the order of operations to carry out calculations involving all 4 operations.</p>	<p>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.</p> <p style="text-align: center;"><u>Subtraction Focus Week</u></p> <ul style="list-style-type: none"> • Reconsolidate borrowing while subtracting • Use dice activity to support understanding and/or continue to reconsolidate regrouping  <ul style="list-style-type: none"> • Practice exam questions • Recap quiz at the end of the week 	
<p style="text-align: center; font-size: 24pt; font-weight: bold;">W5</p>	<p style="text-align: center;">Numbers, Place Value and Number System</p>	<p>LS9 – To be able to + and—1 and 2-digit numbers using 0-20 (including missing no. problems)</p> <p>LS10 – To be able to + and - two 2-digit numbers and 3 one-digit numbers.</p> <p>LS11 – To be able to + and - numbers up to 3 digits with regrouping using the column method.</p> <p>LS12 – To be able to + and - up to 10,000 with regrouping (using column method).</p>	<p>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.</p> <p style="text-align: center;"><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 	

		<p>LS15 – To be able to use their knowledge of the order of operations to carry out calculations involving all 4 operations.</p>	<ul style="list-style-type: none"> Scavenger hunt 	
<p>W6</p>	<p>Numbers, Place Value and Number System</p>	<p>LS9 – To be able to + and – 1 and 2-digit numbers using 0-20 (including missing no. problems)</p> <p>LS10 – To be able to + and - two 2-digit numbers and 3 one-digit numbers.</p> <p>LS11 – To be able to + and - numbers up to 3 digits with regrouping using the column method.</p> <p>LS12 – To be able to + and - up to 10,000 with regrouping (using column method).</p> <p>LS15 – To be able to use their knowledge of the order of operations to carry out calculations involving all 4 operations.</p>	<p>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.</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 	

W7	Numbers, Place Value and Number System	<p>LS9 – To be able to + and—1 and 2-digit numbers using 0-20 (including missing no. problems)</p> <p>LS10 – To be able to + and - two 2-digit numbers and 3 one-digit numbers.</p> <p>LS11 – To be able to + and - numbers up to 3 digits with regrouping using the column method.</p> <p>LS12 – To be able to + and - up to 10,000 with regrouping (using column method).</p> <p>LS15 – To be able to use their knowledge of the order of operations to carry out calculations involving all 4 operations.</p>	<p>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.</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 	
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Trips which accompany this topic: