

**Fluency Development (Key Instant Recall Facts and Skills)**

**Key Skills**






<b>Autumn</b>	<b>Spring</b>	<b>Summer</b>
Place value, number bonds, double and halving, multiplication and division facts, factors, conversions, rounding, squared numbers, fractions and decimals, x10, 100, 1000, fraction/percentage of an amount, number lines, BODMAS, prime numbers, angles, area and perimeter. <b>Ensure fractions, decimal and percentage equivalence is taught and learnt throughout all sessions.</b>		

**Retrieval timetable**

<b>Autumn 1</b>	<b>Spring 1</b>	<b>Summer 1</b>
Times Tables	Problem of the day/word problem	Consolidation
<b>Autumn 2</b>	<b>Spring 2</b>	<b>Summer 2</b>
Problem of the day/word problem	Problem of the day/word problem	Time (with problem)

\*\*Also, ensure revision of previous KIRFs. See KIRF progression map \*\*

## Topic Progression

-  Pictorial and abstract representations can be used alongside each other.
-  Refer to the calculation policy for representations.
-  Children expected to draw representations in books.
-  Teach one representation at a time.
-  Use real life experiences/data collection to support understanding.

Autumn 1	Spring 1	Summer 1
<p><b>Number</b> Place value and Counting (3 weeks) (Application of measure (incl. time and money) where applicable)</p> <p>Four Operations (4 weeks) (Application of measure (incl. time and money) and statistics where applicable)</p> <p><b>Geometry</b> Properties of Angles Properties of shape (1 weeks)</p> <p><b>(8 weeks)</b></p> <p style="color: red;">One lesson per week retrieval style arithmetic (where applicable)</p>	<p><b>Fractions (retrieval) Decimals, Percentages (2 weeks )</b> (Application of number (incl. PV, A&amp;S, M&amp;D) where applicable)</p> <p><b>Geometry (1 week)</b> Properties of Shape</p> <p><b>Algebra (2 weeks)</b> Algebra</p> <p><b>Ratio and proportion retrieval (2 Weeks)</b></p> <p><b>(7 Weeks)</b></p> <p style="color: red;">One lesson per week retrieval style arithmetic (where applicable)</p>	<p><b>Year 6</b> <b>Consolidation and retrieval (5 Weeks)</b> Teacher assessment (3 weeks) Four Operations Consolidation (2 weeks)</p> <p><b>(5 Weeks)</b></p> <p style="color: red;">One lesson per week retrieval style arithmetic (where applicable)</p>
Autumn 2	Spring 2	Summer 2
<p><b>Number</b> Fractions, decimals and percentages (6 weeks 2 weeks of four operations of fractions) (Application of number (incl. PV, A&amp;S, M&amp;D) where applicable)</p> <p><b>(6 Weeks to allow for adjustments)</b></p> <p><b>(6 Weeks to allow for adjustments)</b></p> <p style="color: red;">One lesson per week retrieval style arithmetic (where applicable)</p>	<p>Perimeter, Area and Volume (2 weeks) (Application of number (incl. PV, A&amp;S, M&amp;D) where applicable)</p> <p>Teacher assessment <b>(6 Weeks) * Spring 2 may be altered following teacher assessment.</b></p> <p style="color: red;">One lesson per week retrieval style arithmetic (where applicable)</p>	<p><b>Geometry</b> Position and Direction (Incl. coordinates) Properties of Shape and Angles (1 weeks)</p> <p><b>Statistics</b> Graphs, Charts and Tables (2 weeks)</p> <p><b>Consolidation, Retrieval and Application</b> Efficiency and fluency in mathematical thinking with application to real life mathematically rich projects (4 weeks)</p> <p><b>(7 Weeks)</b></p> <p style="color: red;">One lesson per week retrieval style arithmetic (where applicable)</p>