

Fluency Development (Key Instant Recall Facts and Skills)

Key Skills






Autumn	Spring	Summer
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. Ensure fractions, decimal and percentage equivalence is taught and learnt throughout all sessions.		

Retrieval timetable

Autumn 1	Spring 1	Summer 1
6 and 12 times table	Multiples and Prime numbers	Factors
Autumn 2	Spring 2	Summer 2
7 times table (any other multiplications needed)	Shape	Time

**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>Number 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>Geometry Properties of Angles Properties of shape (1 weeks)</p> <p>One lesson per 2 weeks retrieval style arithmetic (where applicable)</p> <p>(8 weeks)</p>	<p>Geometry (1 week) Properties of Shape</p> <p>Number Facts (2 weeks) Multiples, Factors, Common Factors, Prime, Square, Cube numbers</p> <p>Statistics Graphs, Charts and Tables (2 weeks)</p> <p>Measure Converting Units including time (2 weeks) One lesson per 2 weeks retrieval style arithmetic (where applicable)</p> <p>(7 Weeks)</p>	<p>Negative numbers (2 weeks)</p> <p>Four Operations (3 weeks) (Application of measure (incl. time and money) and statistics where applicable)</p> <p>One lesson per week retrieval style arithmetic (where applicable)</p> <p>(5 Weeks)</p>
Autumn 2	Spring 2	Summer 2
<p>Number Four operations of Fractions (2 weeks: constantly reviewing in retrieval) (Application of number (incl. PV, A&S, M&D) where applicable)</p> <p>Perimeter, Area and Volume (2 weeks) (Application of number (incl. PV, A&S, M&D) where applicable)</p> <p>Fractions, decimals and percentages (2 weeks) (Application of number (incl. PV, A&S, M&D) where applicable)</p> <p>(6 Weeks to allow for adjustments)</p> <p>One lesson per 2 weeks retrieval style arithmetic (where applicable)</p>	<p>Geometry (3 weeks) Properties of Shape Position and direction</p> <p>Decimals, Percentages and Fractions (2 weeks)</p> <p>Four Operations (1 weeks) (Application of measure (incl. time and money) and statistics where applicable)</p> <p>One lesson per 2 weeks retrieval style arithmetic (where applicable)</p> <p>6 Weeks</p>	<p>Geometry Position and Direction (Incl. coordinates) Properties of Shape and Angles (1 weeks)</p> <p>Statistics Graphs, Charts and Tables (2 weeks)</p> <p>Consolidation, Retrieval and Application Efficiency and fluency in mathematical thinking with application to real life mathematically rich projects (4 weeks)</p> <p>(7 Weeks)</p> <p>One lesson per week retrieval style arithmetic (where applicable)</p>