



**Five Stones Learning Federation**  
**Mixed Year Five and Six Maths Long Term Plan**  
**2020 to 2021**

**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		

**Key Instant Recall Facts**

<b>Autumn 1</b>	<b>Spring 1</b>	<b>Summer 1</b>
Year 5 - I know decimal number bonds to 1 and 10. Year 6 - I can use x table facts to multiply and divide decimals	Year 5 - I can recall metric conversions. Year 6 - I can convert between decimals, fractions and percentages.	Year 5 - I know doubles and halves of <ul style="list-style-type: none"> <li>• All numbers to 100</li> <li>• All multiples of 10 to 10,000</li> <li>• All multiples of 100 to 10,000.</li> </ul> Year 6 - I know doubles and halves of 2 digit decimals.
<b>Autumn 2</b>	<b>Spring 2</b>	<b>Summer 2</b>
Year 5 - I know the multiplication and division facts for all times tables up to $12 \times 12$ I can recall square numbers up to 122 and their square roots.  Year 6 - I can identify common factors of a pair of numbers.	Year 5 - I can identify prime numbers up to 20. Year 6 - I can identify prime numbers up to 50.	Year 5 - I can find factor pairs of a number. I know the tests of divisibility for 2, 3, 5, 9 and 10.  Year 6 - I know the tests of divisibility for 4 and 6.

\*\* Ensure revision of previous KIRFs. See KIRF progression map at the end of this document\*\*

## Topic Progression

Topic Progression		
Autumn 1	Spring 1	Summer 1
<p><b>Number</b> Place value and Counting (2 weeks) Four Operations (4 weeks) Fractions (Incl. four operations) (2 weeks)</p> <p><b>(8 weeks)</b></p>	<p><b>Number/ Algebra (2 weeks)</b> Y5 - Decimals Y6 - Algebra</p> <p><b>Measure</b> Perimeter, Area and Volume (2 weeks)</p> <p><b>Geometry</b> Position and Direction (Incl. coordinates) (2 weeks)</p> <p><b>(6 Weeks)</b></p>	<p><b>Consolidation and retrieval (2 weeks)</b> Year 5 -Four Operations Consolidation Year 6 - SATs Revision (as informed by teacher assessment)</p> <p><b>Consolidation and retrieval (2 weeks)</b> Year 5 -Fractions, Decimals and Percentages Consolidation Year 6 - SATs Revision (as informed by teacher assessment)</p> <p><b>Consolidation and retrieval (1 week)</b></p> <p><b>(5 Weeks)</b></p>
Autumn 2	Spring 2	Summer 2
<p><b>Number</b> Fractions (Incl. four operations) (2 weeks) Decimals, Percentages and Fractions (3 weeks)</p> <p><b>Measure</b> Converting Units; including time (2 weeks)</p> <p><b>(7 Weeks)</b></p>	<p><b>Geometry</b> Properties of Shape and Angles (3 weeks)</p> <p><b>Statistics</b> Graphs, Charts and Tables (2 weeks)</p> <p><b>Consolidation and retrieval (1 week)</b> Year 5 -Four Operations Consolidation Year 6 - SATs Revision (as informed by teacher assessment)</p> <p><b>(6 Weeks)</b></p>	<p><b>Consolidation, Retrieval and Application</b> Efficiency and fluency in mathematical thinking with application to real life mathematically rich projects (7 weeks)</p> <p><b>(7 Weeks)</b></p>