MATHS SUBJECT VISION AND DRIVERS

Subject Aims

Mathematics aims to ensure that all pupils:

- Become **fluent** in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- **Reason mathematically** by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- Can **solve problems** by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Subject Vision

Mathematics teaching at Silverdale St John's will inspire a love of problem solving with an ability to reason about numbers and a curiosity to investigate maths in the world around them. We will provide a foundation for understanding that will take the children to their next stage of education and beyond.

Lessons will be lively, engaging and carefully planned to engage the children, ignite the children's imaginations and encourage the children to talk, explaining their thinking. There will be a mix of new learning, practising skills and using and applying skills. The pitch and pace of the lessons will be well matched to the needs and learning styles of individuals, so ensure high expectations are met and progress is accelerated.

Learning	Community	Faith
Childrem will learn the appropriate maths skills needed to access the curriculum at the expected level for their age, either independently or with support. Learning will be relevant, with links made to previous and future learning and uses of mathematics. The appropriate mathematical vocabulary will be used.	Children will learn about the important role that mathematics plays in any careers, with members of the community invited in to share how they use maths in everyday life. The local area will be used to find patterns and rules in nature and local ameneties will be used to use numbers in context e.g. money.	The children will develop and apply skills in reflection and thinking through a variety of problem solving activities. They will develop a sense of awe and wonder through the relationships of number and the prescence of mathematics in nature.

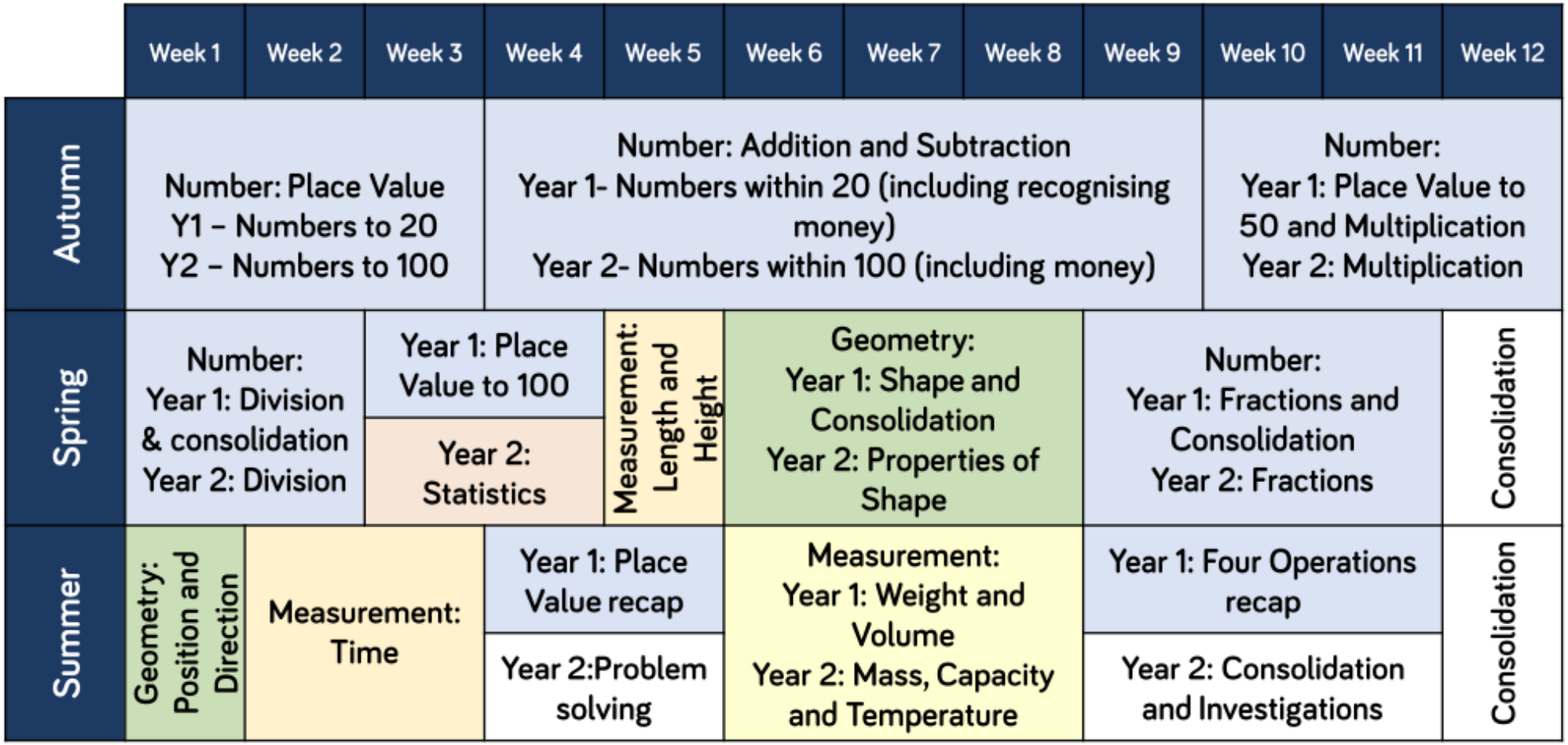
Inspiring success through learning, community and faith.

We strive to provide the Christian foundations to enable our children to make good decisions. Our children will be inspired, guided and supported to achieve success, as they are all of infinite worth. Taught through a creative curriculum, our children will become global citizens and will care for all of God's creation.

I can do all things through Christ who strengthens me.
Philippians 4:13

From White Rose Maths

Key Stage 1



Lower Key Stage 2

<table>
<tr><th></th><th>Week 1</th><th>Week 2</th><th>Week 3</th><th>Week 4</th><th>Week 5</th><th>Week 6</th><th>Week 7</th><th>Week 8</th><th>Week 9</th><th>Week 10</th><th>Week 11</th><th>Week 12</th></tr>
<tr><td>Autumn</td><td colspan="4">Number: Place Value</td><td colspan="4">Number: Addition and Subtraction</td><td colspan="4">Number: Multiplication and Division</td></tr>
<tr><td>Spring</td><td colspan="2">Number: Multiplication and Division</td><td colspan="2">Measurement: Length, Perimeter and Area</td><td colspan="4" rowspan="2">Number: Fractions</td><td colspan="3">Y3: Measurement: Mass and Capacity</td><td rowspan="2">Consolidation</td></tr>
<tr><td>Summer</td><td colspan="3">Number: Decimals (including Money)</td><td colspan="2">Measurement: Time</td><td>Statistics</td><td colspan="3">Geometry: Properties of Shape (including Y4 Position and Direction)</td><td colspan="3">Y4: Number: Decimals</td><td>Consolidation</td></tr>
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Upper Key Stage 2

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<tr><th></th><th>Week 1</th><th>Week 2</th><th>Week 3</th><th>Week 4</th><th>Week 5</th><th>Week 6</th><th>Week 7</th><th>Week 8</th><th>Week 9</th><th>Week 10</th><th>Week 11</th><th>Week 12</th></tr>
<tr><td>Autumn</td><td colspan="2">Number: Place Value</td><td colspan="5">Number: Four Operations</td><td colspan="5">Number: Fractions</td></tr>
<tr><td rowspan="2">Spring</td><td colspan="2">Y5: Number: Fractions</td><td colspan="3" rowspan="2">Number: Decimals and Percentages</td><td colspan="2">Y5: Number: Decimals</td><td rowspan="2">Measurement: Converting Units</td><td colspan="2" rowspan="2">Measurement: Perimeter, Area and Volume</td><td rowspan="2">Statistics</td></tr>
<tr><td colspan="2">Y6: Number: Ratio</td><td colspan="2">Y6: Number: Algebra</td></tr>
<tr><td rowspan="2">Summer</td><td colspan="2" rowspan="2">Geometry: Properties of Shape</td><td rowspan="2">Geometry: Position and Direction</td><td colspan="3">Y5: Four Operations consolidation</td><td colspan="2">Y5: FDP consolidation</td><td colspan="2">Y5: Measure consolidation</td><td>Consolidation</td></tr>
<tr><td colspan="2">Y6: SATS</td><td colspan="6">Investigations</td></tr>
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