Year Six Spring Term Maths Overview

| Week 1 (2 days) | Week 2 | Week 3 | Week 4 | Week 5 | | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Position and Direction | Decimals | Fractions, decimals and percentages. | | Ratio and proportion | | Algebra | Area | Statistics | Kilvrough | Properties of shape | |

| Unit | Lessons | Steps |
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| Position and Direction | 2 | The first quadrant |
| | | Four quadrants |
| | | Translations |
| | | Reflections |
| Decimals | 4 | Place Value within 1 |
| | | Place value – integers and decimals |
| | | Round decimals |
| | | Add and subtract decimals |
| | | Multiply by 10, 100, 1000 |
| | | Divide by 10, 100, 1000 |
| | | Multiply decimals by integers |
| | | Divide decimals by integers |
| | | Multiply and divide decimals in context |
| Fractions, decimals & percentages | 5 | Decimal and fraction equivalents |
| | | Fractions as division |
| | | Understand percentages |
| | | Fractions as percentages |
| | | Equivalent fractions, decimals and percentages |
| | | Order fractions, decimals and percentages |
| | | Percentage of an amount – one step |
| | | Percentage of an amount – multi-step |
| | | Percentages – missing values |
| Ratio & Proportion | 6 | Add or multiply? |
| | | Use ratio language |
| | | Introduction to the ratio symbol |
| | | Ratio and fractions |
| | | Scale drawing |
| | | Use scale factors |
| | | Similar shapes |
| | | Ratio problems |
| | | Proportion problems |
| | | Recipes |
| Algebra | 4 | 1-step function machines |
| | | 2-step function machines |

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| | | Form expressions |
| | | Substitution |
| | | Formulae |
| | | Form equations |
| | | Solve 1-step equations |
| | | Solve 2-step equations |
| | | Find pairs of values |
| | | Solve problems with two unknowns |
| Area | 2 | Shapes – same area |
| | | Area and perimeter |
| | | Area of a triangle – counting squares |
| | | Area of a right-angled triangle |
| | | Area of any triangle |
| | | Area of any parallelogram |
| | | Volume – counting cubes |
| | | Volume of a cuboid |
| Statistics | 5 | Line graphs |
| | | Dual bar charts |
| | | Read and interpret pie charts |
| | | Pie charts with percentages |
| | | Draw pie charts |
| | | The mean |
| Properties of Shape (combination of last year's Statistics and Properties of Shape) | 8 | Circles |
| | | Measure with a protractor |
| | | Introduce angles |
| | | Calculate angles |
| | | Vertically opposite angles |
| | | Angles in a triangle |
| | | Angles in a triangle – special cases |
| | | Angles in a triangle – missing angles |
| | | Angles in special quadrilaterals |
| | | Angles in regular polygons |
| | | Draw shapes accurately |
| | | Draw nets of 3-D shapes |