**9X3 / 9X4 / 9Y2 / 9Y3**

**Half-Term 3**

**Algebraic Tinkering**

**3th January – 15th January**

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| **Topic Area** | **Chapter Link** |
| Introduction to Algebra | <https://app.mymaths.co.uk/5786-lesson/introduction-to-algebra> |
| Simplifying 1 | <https://app.mymaths.co.uk/169-lesson/simplifying-1> |
| Multiplying out brackets | <https://app.mymaths.co.uk/171-lesson/single-brackets> |
| Rules and Formulae | <https://app.mymaths.co.uk/202-lesson/rules-and-formulae> |
| Function Machines | <https://app.mymaths.co.uk/201-lesson/function-machines> |
| Substitution 1 | <https://app.mymaths.co.uk/204-lesson/substitution-1> |
| Substitution 2 | <https://app.mymaths.co.uk/205-lesson/substitution-2> |

**Exploring Fractions, Decimals and Percentage**

**18th January – 22nd January**

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| **Topic Area** | **Chapter Link** |
| Fraction, Decimal and Percent Equivalents 1 | <https://app.mymaths.co.uk/141-lesson/frac-dec-perc-1> |
| Fraction, Decimal and Percent Equivalents 2 | <https://app.mymaths.co.uk/142-lesson/frac-dec-perc-2> |

**Proportional Reasoning**

**25th January – 8th February**

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| **Topic Area** | **Chapter Link** |
| Modelling Ratio | <https://app.mymaths.co.uk/5857-lesson/modelling-ratio> |
| Introduction to Ratio | <https://app.mymaths.co.uk/158-lesson/ratio-introduction> |
| Dividing in a given ratio | <https://app.mymaths.co.uk/159-lesson/ratio-dividing-1> |

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**9X1 / 9X2 / 9Y1**

**Half-Term 2**

**Solving Equations and Inequalities 1**

**3rd January – 20th January**

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| **Topic Area** | **Chapter Link** |
| Language of inequality (symbols used) | <https://app.mymaths.co.uk/232-lesson/inequations>  |
| Identify range of results that satisfy an inequality | <https://app.mymaths.co.uk/1740-lesson/inequalities-and-intervals> |
| Negative inequalities | <https://app.mymaths.co.uk/233-lesson/negative-inequations>  |
| Solve equations with unknowns each side | <https://app.mymaths.co.uk/188-lesson/equations-3-both-sides>  |
| Solve equations involving brackets  | <https://app.mymaths.co.uk/1734-lesson/equations-4-brackets>  |

**Calculating Space**

**21st January – 8th February**

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| **Topic Area** | **Chapter Link** |
| Parts of a circle | <https://app.mymaths.co.uk/6010-lesson/parts-of-a-circle>  |
| Circumference of circle | <https://app.mymaths.co.uk/269-lesson/circumference-of-a-circle>  |
| Area of circle | <https://app.mymaths.co.uk/270-lesson/area-of-a-circle>  |
| Arcs and Sectors | <https://app.mymaths.co.uk/1791-lesson/arcs-and-sectors>  |
| Surface Area | <https://app.mymaths.co.uk/334-lesson/nets-surface-area>  |
| Pythagoras | <https://app.mymaths.co.uk/300-lesson/pythagoras-theorem>  |

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