**9X4 / 9Y3**

**Half-Term 2**

**Understanding Risk 1**

**6th November – 15th November**

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| **Topic Area** | **Chapter Link** |
| Probability Introduction | <https://app.mymaths.co.uk/377-lesson/probability-intro> |
| Simple Probability | <https://app.mymaths.co.uk/378-lesson/simple-probability> |
| Listing Outcomes | <https://app.mymaths.co.uk/379-lesson/listing-outcomes> |

**Algebraic Tinkering**

**16th November – 31st November**

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| **Topic Area** | **Chapter Link** |
| Algebraic Notation | <https://app.mymaths.co.uk/170-lesson/simplifying-2> |
| Multiplying out brackets | <https://app.mymaths.co.uk/171-lesson/single-brackets> |
| Factorising single brackets | <https://app.mymaths.co.uk/173-lesson/factorising-linear> |
| Indices 1 | <https://app.mymaths.co.uk/153-lesson/indices-1> |
| Substitution 2 | <https://app.mymaths.co.uk/205-lesson/substitution-2> |
| Changing the subject of a formula | <https://app.mymaths.co.uk/206-lesson/rearranging-1> |

**Exploring Fractions, Decimals and Percentage**

**4th December – 22nd December**

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| **Topic Area** | **Chapter Link** |
| Recurring decimals | https://app.mymaths.co.uk/64-lesson/recurring-decimals-1 |
|  | <https://app.mymaths.co.uk/6116-game/recurring-decimals-pairs-activity-1> |
| Equivalent Fractions with recurring decimals | <https://app.mymaths.co.uk/1773-lesson/equivalent-fractions-2> |
| Simplifying Fractions | <https://app.mymaths.co.uk/1771-lesson/ordering-and-simplifying-fractions> |
| Fractions to Decimals | <https://app.mymaths.co.uk/90-lesson/fractions-to-decimals> |

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**9X1 / 9X2 / 9X3 / 9Y1 / 9Y2**

**Half-Term 2**

**Algebraic Tinkering**

**6th November – 10th November**

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| **Topic Area** | **Chapter Link** |
| Multiplying out brackets | <https://app.mymaths.co.uk/171-lesson/single-brackets> |
| Factorising single brackets | <https://app.mymaths.co.uk/173-lesson/factorising-linear> |
| Identities | <https://app.mymaths.co.uk/1781-lesson/identities> |
| Expanding double brackets | <https://app.mymaths.co.uk/172-lesson/brackets> |
| Factorise quadratics x2 + bx + c | <https://app.mymaths.co.uk/174-lesson/factorising-quadratics-1> |

**Proportional Reasoning**

**13th November – 1st December**

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| **Topic Area** | **Chapter Link** |
| Direct Proportion | <https://app.mymaths.co.uk/1789-lesson/direct-proportion> |
| Inverse Proportion | <https://app.mymaths.co.uk/1790-lesson/inverse-proportion> |
| Scaling and Rate problems | <https://app.mymaths.co.uk/5791-lesson/scaling-and-rate-problems> |
| Ratio | <https://app.mymaths.co.uk/160-lesson/ratio-dividing-2> |
| Density | <https://app.mymaths.co.uk/297-lesson/density> |
| Speed | <https://app.mymaths.co.uk/296-lesson/speed> |

**Pattern Sniffing**

**4th December – 22nd December**

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| --- | --- |
| **Topic Area** | **Chapter Link** |
| Recognising Sequences | <https://app.mymaths.co.uk/1787-lesson/recognising-sequences> |
| Quadratic Sequences | <https://app.mymaths.co.uk/239-lesson/quadratic-sequences> |
| Generate Sequences | <https://app.mymaths.co.uk/1786-lesson/generating-sequences> |

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