**10b4 / 10a5 / 10b6 / 10a7**

**Half-Term 5**

**Algebraic Proficiency - Visualising**

**17th April – 21st April**

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| **Topic Area** | **Chapter Link** |

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| Plotting Graphs 1 | <https://app.mymaths.co.uk/1765-lesson/plotting-graphs-1-lines>  |
| Plotting Graphs 2 | <https://app.mymaths.co.uk/1766-lesson/plotting-graphs-2-lines>  |
| Gradient and Intercept | <https://app.mymaths.co.uk/219-lesson/gradient-and-intercept>  |
| Plotting quadratics | <https://app.mymaths.co.uk/215-lesson/plotting-graphs-3-quadratics>  |

**Solving Equations and Inequalities**

**24th April – 16th May**

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| **Topic Area** | **Chapter Link** |
| Simultaneous Equations on a graph | <https://app.mymaths.co.uk/200-lesson/solving-sim-equations-graphically>  |
| Simultaneous Equations 1 | <https://app.mymaths.co.uk/196-lesson/simultaneous-equations-1>  |
| Simultaneous Equations 2 | <https://app.mymaths.co.uk/197-lesson/simultaneous-equations-2>  |
| Simultaneous Equations 3 | <https://app.mymaths.co.uk/198-lesson/simultaneous-equations-3>  |
| Simultaneous Equations Negatives | <https://app.mymaths.co.uk/199-lesson/simultaneous-negatives>  |

**Understanding Risk 2**

**17th May – 26th May**

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| **Topic Area** | **Chapter Link** |

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| Listing outcomes | <https://app.mymaths.co.uk/379-lesson/listing-outcomes>  |
| Frequency trees | <https://app.mymaths.co.uk/3262-lesson/frequency-trees>  |
| Venn diagrams 1 | <https://app.mymaths.co.uk/1731-lesson/venn-diagrams-1>  |
| Simple probability | <https://app.mymaths.co.uk/378-lesson/simple-probability>  |

School Username : **kingshill** Password : **percent**

**10a1 / 10b2 / 10a3 – Follow the links below to Hegartymaths tasks**

**Half-Term 5**

**Exploring fractions, decimals and percentages**

**17th April – 26th April**

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| **Topic Area** | **Chapter Link** |
| Converting recurring decimals to fractions | <https://hegartymaths.com/skills/53/preview> |
|  | <https://hegartymaths.com/skills/54/preview> |
| Compound interest | <https://hegartymaths.com/skills/94/preview> |
| Exponential growth and decay | <https://hegartymaths.com/skills/800/preview> |
|  | <https://hegartymaths.com/skills/801/preview> |
|  | <https://hegartymaths.com/skills/802/preview> |
|  | <https://hegartymaths.com/skills/803/preview> |
|  | <https://hegartymaths.com/skills/804/preview> |
|  | <https://hegartymaths.com/skills/805/preview> |
|  | <https://hegartymaths.com/skills/806/preview> |
|  | <https://hegartymaths.com/skills/807/preview> |
|  | <https://hegartymaths.com/skills/808/preview> |
|  | <https://hegartymaths.com/skills/809/preview> |
|  | <https://hegartymaths.com/skills/810/preview> |
|  | <https://hegartymaths.com/skills/811/preview> |

**Solving Equations and Inequalities 3**

**27th April – 10th May**

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| **Topic Area** | **Chapter Link** |
| Solving quadratic equations by factorising | <https://hegartymaths.com/skills/230/preview> |
| Using graphs to find approximate solutions | <https://hegartymaths.com/skills/323/preview> |
| Find the roots of a quadratic graph | <https://hegartymaths.com/skills/253/preview> |

**Understanding Risk**

**11th May – 19th May**

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| **Topic Area** | **Chapter Link** |
| Product rule for counting | <https://hegartymaths.com/skills/671/preview> |
|  | <https://hegartymaths.com/skills/672/preview> |
|  | <https://hegartymaths.com/skills/673/preview> |
| Venn diagrams | <https://hegartymaths.com/skills/374/preview> |
|  | <https://hegartymaths.com/skills/375/preview> |
|  | <https://hegartymaths.com/skills/376/preview> |
|  | <https://hegartymaths.com/skills/377/preview> |
|  | <https://hegartymaths.com/skills/380/preview> |
|  | <https://hegartymaths.com/skills/383/preview> |
|  | <https://hegartymaths.com/skills/384/preview> |
| Two-way tables  | <https://hegartymaths.com/skills/423/preview> |
| Conditional probabilty | <https://hegartymaths.com/skills/364/preview> |

**Analysing Statistics**

**22nd May – 26th May**

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| **Topic Area** | **Chapter Link** |

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| Capture-recapture | <https://hegartymaths.com/skills/872/preview> |
|  | <https://hegartymaths.com/skills/873/preview> |
| Intrequartile range | <https://hegartymaths.com/skills/411/preview> |
|  | <https://hegartymaths.com/skills/412/preview> |
| Cumulative frequency | <https://hegartymaths.com/skills/437/preview> |
|  | <https://hegartymaths.com/skills/438/preview> |
|  | <https://hegartymaths.com/skills/439/preview> |
| Box plots | <https://hegartymaths.com/skills/434/preview> |
|  | <https://hegartymaths.com/skills/435/preview> |
|  | <https://hegartymaths.com/skills/436/preview> |
|  | <https://hegartymaths.com/skills/440/preview> |