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

**Half-Term 4**

**Solving Equations and Inequalities 1**

**3rd January – 18th January**

**Conjecturing**

**27th February – 8th March**

|  |  |
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| **Topic Area** | **Chapter Link** |
| Angle reasoning | <https://app.mymaths.co.uk/257-lesson/angle-reasoning> |
| Angle proofs | <https://app.mymaths.co.uk/261-lesson/angle-proofs> |
| Congruent triangle | <https://app.mymaths.co.uk/247-lesson/congruent-triangles> |
| Similar triangles | <https://app.mymaths.co.uk/306-lesson/similar-triangles> |

**Algebraic Proficiency - Visualising**

**8th March – 31st March**

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| **Topic Area** | **Chapter Link** |
| Linear graphs | <https://app.mymaths.co.uk/1765-lesson/plotting-graphs-1-lines> |
|  | <https://app.mymaths.co.uk/1766-lesson/plotting-graphs-2-lines> |
|  | <https://app.mymaths.co.uk/219-lesson/gradient-and-intercept> |
|  | <https://app.mymaths.co.uk/220-lesson/y-mx-c> |
| Quadratic graphs | <https://app.mymaths.co.uk/215-lesson/plotting-graphs-3-quadratics> |
| Distance time graphs | <https://app.mymaths.co.uk/217-lesson/distance-time-graphs> |

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

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

**Half-Term 4**

**Conjecturing**

**27th February – 8th March**

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| **Topic Area** | **Chapter Link** |
|  |  |
| Parts of a circle | https://hegartymaths.com/skills/592/preview |
| Circle theorems | https://hegartymaths.com/skills/594/preview |
|  | https://hegartymaths.com/skills/594/preview |
|  | https://hegartymaths.com/skills/594/preview |
|  | <https://hegartymaths.com/skills/595/preview> |
|  | <https://hegartymaths.com/skills/596/preview> |
|  | <https://hegartymaths.com/skills/597/preview> |
|  | <https://hegartymaths.com/skills/598/preview> |
|  | <https://hegartymaths.com/skills/599/preview> |
|  | <https://hegartymaths.com/skills/600/preview> |
|  | <https://hegartymaths.com/skills/601/preview> |
|  | <https://hegartymaths.com/skills/602/preview> |
| Circle theorems (using algebra) | <https://hegartymaths.com/skills/603/preview> |
| Circle theorems (multi-step) | <https://hegartymaths.com/skills/604/preview> |
|  | <https://hegartymaths.com/skills/605/preview> |
|  | <https://hegartymaths.com/skills/606/preview> |

**Algebraic Proficiency - Visualising**

**8th March – 31st March**

|  |  |
| --- | --- |
| **Topic Area** | **Chapter Link** |
| Exponential graph | <https://hegartymaths.com/skills/302/preview> |
| Distance time graphs | <https://hegartymaths.com/skills/874/preview> |
|  | <https://hegartymaths.com/skills/875/preview> |
| Speed time graphs | <https://hegartymaths.com/skills/880/preview> |
|  | <https://hegartymaths.com/skills/881/preview> |
| Gradient of a chord | <https://hegartymaths.com/skills/887/preview> |
| Average rate of change | <https://hegartymaths.com/skills/888/preview> |
| Gradient at a point on a curve | <https://hegartymaths.com/skills/889/preview> |
| Area under a curve | <https://hegartymaths.com/skills/891/preview> |
|  | <https://hegartymaths.com/skills/892/preview> |
|  | <https://hegartymaths.com/skills/893/preview> |