Mathematics

Year Higher Group 11

Half Term 1

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| Number of Hours | Topic |
| 6 | Similarity and congruence in 2D and 3D  Page 313 |
| 6 | Graphs of trigonometric functions  Page 149 |
| 9 | Further trigonometry  Page 257 |
| 7 | Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics  Page 52 / 140 / 142 / 148 |
| 5 | Circle theorems  Page 216 |
| Reasons behind order of topic in this half term | |
| Follows Edexcel two year scheme of learning and mirrors topics assessed in key assessments.  Much of the remaining geometry content is covered in term 1 including graphs of Trigonometric functions and the sine and cosine rule. It is hoped circle theorems is covered before the first key assessment.  Graphs of circle, cubes and qudratics offer a challenge to all students and prepare students for the november mock exams. | |

Mathematics

Year Higher Group 11

Half Term 2

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| Number of Hours | Topic |
| 5 | Circle geometry  Page 223 |
| 7 | Changing the subject of formulae (more complex), algebraic fractions, solving equations arising from algebraic fractions, rationalising surds, proof  Page 80 / 59 / 73 / |
| 9 | Vectors and geometric proof  Page 268 |
| Reasons behind order of topic in this half term | |
| Follows Edexcel two year scheme of learning and mirrors topics assessed in key assessments.  Circle geometry naturally follows the final topic in term1.  Some challenging algebraic proof questions are covered along with algebraic fractions.  It is hoped vectors can be covered before the mock exams so that gifted students can access some of the grade 8/9 questions. | |

Mathematics

Year Higher Group 11

Half Term 3

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| Number of Hours | Topic |
| 7 | Reciprocal and exponential graphs; Gradient and area under graphs  Page 144 / 147 / 166 |
| 7 | Direct and inverse proportion  Page 92 |
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| Reasons behind order of topic in this half term | |
| Follows Edexcel two year scheme of learning and mirrors topics assessed in key assessments.  The sppecification finishes with direct and inverse proportion and area under graphs. | |

Mathematics

Year Higher Group 11

Half Term 4

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| Number of Hours | Topic |
|  | Revision and topic tests. |
|  | Past paper revision. |
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| Reasons behind order of topic in this half term | |
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Mathematics

Year Higher Group 11

Half Term 5

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| Number of Hours | Topic |
|  | Revision and topic tests. |
|  | Past paper revision. |
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| Reasons behind order of topic in this half term | |
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Mathematics

Year Higher Group 11

Half Term 6

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| Number of Hours | Topic |
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| Reasons behind order of topic in this half term | |
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| Reasons behind order of topics in this Year |
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