**HIGHER GCSE COURSE CONTENT**

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| **Unit** | **Topic** |
| 1 | Angles, scale diagrams and bearings |
| 2 | Basic number, factors and multiples |
| 3 | Basic algebra review |
| 4 | Fractions and decimals |
| 5 | Coordinates and linear graphs |
| 6 | Rounding |
| 7 | Collecting and representing data |
| 8 | Sequences |
| 9 | Basic percentages |
| 10 | Perimeter and area |
| 11 | Circumference and area |
| 12 | Real life graphs |
| 13 | Ratio and proportion |
| 14 | Properties of polygons |
| 15 | Equations |
| 16 | Indices |
| 17 | Surds |
| 18 | Basic probability |
| 19 | Standard form |
| 20 | Measures |
| 21 | Transformations |
| 22 | Congruence and similarity |
| 23 | 2D representations of 3D shapes |
| 24 | Calculating with percentages |
| 25 | Statistical measures |
| 26 | Constructions and loci |
| 27 | Probability |
| 28 | Volume |
| 29 | Algebra: quadratics, rearranging formulae and identities |
| 30 | Scatter graphs |
| 31 | Numerical methods |
| 32 | Equation of a circle |
| 33 | Further equations and graphs |
| 34 | Simultaneous equations |
| 35 | Sketching graphs |
| 36 | Direct and inverse proportion |
| 37 | Inequalities |
| 38 | Pythagoras’ theorem and basic trigonometry |
| 39 | Growth and decay |
| 40 | Vectors |
| 41 | Transforming functions |
| 42 | Sine and cosine rules |
| 43 | Circle Theorems |
| 44 | Gradients and rate of change |
| 45 | Pre-calculus and area under a curve |
| 46 | Algebraic fractions |