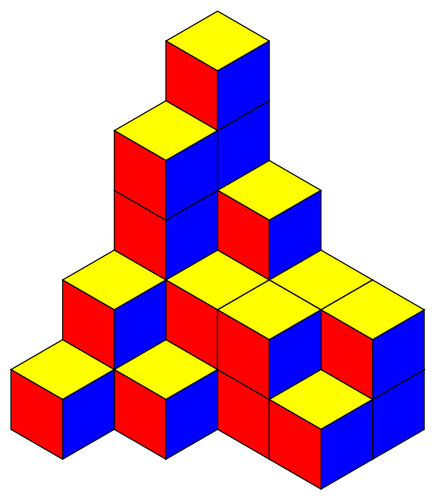
**Year 11** 

**GCSE GROUP SCHEME OF WORK.**

**This scheme of work is to be used as a guide only. Sometimes due to unforeseen circumstances the class may be a week behind or sometimes may even a week ahead of schedule. The topics will still be covered in the same order.**

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| **Term 1** | |
| **Week 1**  **Angles.** | * **Recap of simple angles.** * **Angles on a line and about a point.** * **Angle systems in parallel lines.** |
| **Week 2**  **Angles in shapes.** | * **Know the angle sum in a triangle is 180.** * **Find missing angles in a triangle.** * **Know the angle sum in any quadrilateral.** * **Find the missing angle in a quadrilateral.** |
| **Week 3**  **Quadrilaterals.** | * **Know the properties of squares and rectangles.** * **Know the properties of rhombuses and parallelograms.** * **Know the properties of kites and trapeziums.** |
| **Week 4**  **Interior/exterior angles.** | * **Find the interior and exterior angle of any polygon.** |
| **Week 5**  **Bearings and constructions.** | * **Be able to draw and measure bearings.** * **Recognise plans and elevations.** * **Use triangular dotty paper to draw in 3D.** |
| **Week 6** | * **Use this week to catch up on anything missed in shapes.** |
| **Week 7**  **Review and test.** | * **Review all topics covered this term.** * **End of term test.** * **End of term activities.** |

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| **Term 2** | |
| **Week 1**  **Measure** | * **Be able to read scales.** * **Know basic measures.** * **Be able to estimate measurements.** |
| **Week 2**  **Converting metric measurements.** | * **Convert between different metric units for length.** * **Convert between different metric units for mass.** * **Convert between different metric units for volume.** |
| **Week 3**  **Transformations.** | * **Recap of symmetry.** * **Rotate a shape around a given point.** * **Translate a shape on a coordinate grid.** |
| **Week 4**  **Transformations.** | * **Enlarge a shape by a scale factor.** * **Congruence and similarity.** |
| **Week 5**  **Scale drawing.** | * **Interpret scale drawings.** * **Construct plans using a given scale.** * **Understand and use bearings.** |
| **Week 6**  **Review Week** | * **Review all topics covered this term.** |
| **Week 7**  **Test** | * **End of term test.** * **Christmas maths activities.** |

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| **Term 3** | |
| **Week 1**  **Factors and multiples.** | * **Identify and find multiples and common multiples.** * **Identify and find factors and common factors.** * **Identify and find prime numbers.** * **Write a number as a product of primes.** |
| **Week 2**  **LCM and HCF** | * **Find the LCM of a set of numbers.** * **Find the HCF of a set of numbers.** |
| **Week 3**  **Pythagoras’ Theorem.** | * **Use Pythagoras# theorem to find missing lengths in right angled triangles.** |
| **Week 4**  **Sequences** | * **Find the term to term rule for simple sequences.** * **Recognise and use sequences of suare, cube and triangular numbers.** * **Use the nth term to find terms in a sequence.** * **Find the nth term.** |
| **Week 5**  **Final teaching week.** | * **Use this time to recap or teach any topic that needs teaching or recapping.** |
| **Week 6**  **Review and test week.** | * **Review all topics covered this term.** * **End of term test.** * **End of term activities.** |

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| **Term 4** | |
| **Week 1**  **Number** | * **Revise all number work.** |
| **Week 2**  **Shape** | * **Revise all shape work.** |
| **Week 3**  **Algebra** | * **Revise all algebra work.** |
| **Week 4**  **Revision** | * **Revise for next week’s mock test.** |
| **Week 5**  **Test** | * **Complete a past paper 1.** * **Go through paper together.** |
| **Week 6**  **Test** | * **Complete a past paper 2.** * **Go through paper together.** |

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| **Term 5** | |
| **Week 1**  **Past papers.** | * **Look at past papers for non calculator work.** |
| **Week 2**  **Past Papers** | * **Look at past papers for calculator work.** |
| **Week 3**  **Revision.** | * **Revision.** |
| **Week 4**  **Revision** | * **Revision.** |
| **Week 5**  **Revision** | * **Revision.** |
| **Week 6** | * **Exam week.** |