**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.**
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| **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.**
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| **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.**
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| **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.**
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