

GCSE (Mathematics)

Year 11 Higher Term 1.1



Unit of study

Specification

Week 1

Mathswatch

Y11H Autumn A Week 1 HWK

- Paper 1a

Paper Homework

- Expand/Factorise
- Prime Factorisation
- Percentage Change/Profit
- Mixed Number Operations
- Changing the Subject

Week 2

Mathswatch

Y11H Autumn A Week 2 HWK

- Paper 1b

Paper Homework

- Inequalities
- Reciprocals & Error Intervals
- Averages from Tables
- Using a Calculator
- Angle Bisectors

Week 3

Mathswatch

Y11H Autumn A Week 3 HWK

- Paper 2a

Paper Homework

- Straight Line Graphs
- Estimation
- Area/Circumference of Circles
- Diagram Sequences
- Reverse Percentages

Aims & Objectives:

To practice questions that are similar to GCSE exam questions that will be based on the topics that pupils will encounter during this term when completing weekly assessments which are made up from GCSE exam questions from previous years.

To recall key knowledge so that pupils can prepare successfully for their mock and GCSE exams. This will also increase their long-term memory.

Types of tasks to expect:

Task 1

A set of exam style online questions that will be based to prepare for weekly assessments. Pupils are encouraged to have their full Maths equipment plus a notepad when completing these tasks as method is extremely important in Maths. Each weekly task should take no longer than 1 hour to complete. If pupils complete the task with time to spare then they should be encouraged to look at the revision links opposite.

Where?

www.MathsWatch.vle

Login: Gmail address
Password: shevington

Task 1

A paper based homework to check understanding of all topics that could appear on the GCSE paper.

Where?

Pupils will be issued with a workbook each half term.

Revision links:

[Online Weekly Maths Tuition](#)



[GCSE Revision \(hannahkettlemaths.co.uk\)](http://hannahkettlemaths.co.uk)

[Printable Exam Practice](#)



<https://www.mathsgenie.co.uk/>



[1st Class Maths - Free online GCSE Maths Revision](#)

[How do I revise for my Maths GCSE?](#)



[How do I revise for my GCSE Maths? - Corbettmaths](#)

Week 4

Mathswatch

Y11H Autumn A Week 4 HWK
- Paper 2b

Paper Homework

- Index Laws
- Quadratics (Expand, Factorise, Solve)
- Inverse Proportion
- Speed, Distance, Time
- Scatter Diagrams

Week 5

Mathswatch

Y11H Autumn A Week 5 HWK
- Paper 3a

Paper Homework

- Transformations
- Pythagoras' Theorem
- Interpreting Pie Charts
- Column Vectors
- Recipes

Week 6

Mathswatch

Y11H Autumn A Week 6 HWK
- Paper 3b

Paper Homework

- Standard Form (Ordering)
- Frequency Polygons
- Venn Diagrams
- Standard Form (Conversion/Calculation)
- Best Buys & Exchange Rates

Week 7

Mathswatch

Y11H DIRT Task

Paper Homework

- Plans & Elevations & Volume of a Prism

When?

Weekly: Set every Wednesday and due the following Wednesday

Feedback

Feedback is instant for pupils and there is a feedback function that pupils can use to initiate feedback and interact with the class teacher in order to get support on questions they may be struggling with.

When?

Weekly: Set every Wednesday and due the following Wednesday

Feedback

This will be self marked in class.

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| <ul style="list-style-type: none">-Simultaneous Equations-Surface Area of a Pyramid-Distance-Time Graphs-Angles in Regular Polygons-Compound Interest | | | |
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