

Year 10 Higher Revision Plan Summer / Autumn 2024

You have almost completed the units required for the Numeracy GCSE. This plan is to help guide you with your revision towards the GCSE. Any work that you complete through the holidays will really help you and will stop you from feeling overwhelmed when revising in September and October. You can really benefit by following the guide. Remember this is not compulsory however it will alleviate the pressure of revision when you return in Year 11.
Good luck!

From now...

1. Make summary notes on each topic. Use your notes from lessons, mymaths, corbett maths (you will find revision booklets and Numeracy GCSE past papers), GCSE pod etc
2. Go to [mathsdiy.com](https://www.mathsdiy.com) and work through questions from the topic booklet so you can get to grips with the style of questions as well as deepening your understanding of the subject matter. If you are unsure about anything, you MUST deal with it – use the websites given, or revision guides etc. **You can buy revision guides from school if you need them.**
3. Use [revisegcsemaths.co.uk](https://www.revisegcsemaths.co.uk) to practise specific questions.
3. By the time you start doing past papers, you should be confident in the topics and should just be refining your exam technique – recalling information and techniques under pressure and improving your timings. Aim to be doing complete papers within the given time by no later than 2 weeks before the exams.
4. Below is a suggested timetable for you to follow for your revision plan. This is NOT a complete list of topics that will be on the exam – we have selected topics that are likely to come up and that people typically need more practice of. However, you should adapt it to include any other topics YOU need to work on. It is YOUR revision after all! All of the links to questions are from [Maths GCSE Topic Booklets - MathsDIY](#) so if you need anything else, you will most likely find questions here.

Revision timetable and resources

| Week commencing | Topic | Link to questions | Solutions |
|-----------------|--|---|---|
| 8/7/24 | Types of numbers: Primes, multiples, HCF, LCM, prime factorisation, indices Fractional indices Upper and Lower Bounds Compound Measures (S/D/T) Rational and irrational numbers Manipulating surds | Factors-Multiples-Primes-v1.pdf (mathsdiy.com) Prime-Factors-HCF-and-LCM.pdf (mathsdiy.com) indices-the-basics.pdf (mathsdiy.com) Indices.pdf (mathsdiy.com) GCSEPod upper-lower-bounds-v1.pdf (mathsdiy.com) Compound measure-density,speed# (revisegcsemaths.co.uk) GCSEPod Rational-Irrational-Numbers-Surds-v2.pdf (mathsdiy.com) GCSEPod | Factors-Multiples-Primes-SOLUTIONS.pdf (mathsdiy.com) Prime-Factors-LCM-HCF-SOLUTIONS.pdf (mathsdiy.com) Indices-the-Basics-SOLUTIONS.pdf (mathsdiy.com) Indices-SOLUTIONS.pdf (mathsdiy.com) Upper-and-Lower-Bounds-SOLUTIONS.pdf (mathsdiy.com) Rational-Irrational-Numbers-Surds-SOLUTIONS.pdf (mathsdiy.com) |

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|----------------|--|---|---|
| 15/7/24 | Standard form Tax Household bills Compound Interest Understanding AER, APR | standard-form-v1.pdf (mathsdiy.com) Tax, bills & other computational (revisegcsemaths.co.uk) compound-interest-v1.pdf (mathsdiy.com) Compound interest AER APR# (revisegcsemaths.co.uk) | Standard-form-solutions.pdf (mathsdiy.com) Compound-Interest-Solutions.pdf (mathsdiy.com) |
| 22/7/24 | Fractions, decimals and percentages Recurring decimals to fractional form | Fractions-Decimals-Percentages.pdf (mathsdiy.com) Recurring-Decimals-v1.pdf (mathsdiy.com) | Fractions-Decimals-Percentages-SOLUTIONS.pdf (mathsdiy.com) Recurring-Decimals-SOLUTIONS.pdf (mathsdiy.com) |
| 29/7/24 | Congruency and Similar Shapes Quadrilaterals Loci Maps and Scales | Congruency.pdf (mathsdiy.com) Congruency-SOLUTIONS.pdf (mathsdiy.com) Similar-Triangles-SOLUTIONS.pdf (mathsdiy.com) Locus.pdf (mathsdiy.com) Loci and Construction### (revisegcsemaths.co.uk) scale-drawing-v1.pdf (mathsdiy.com) | Congruency-SOLUTIONS.pdf (mathsdiy.com) Similar-Triangles-SOLUTIONS.pdf (mathsdiy.com) 2D-and-3D-shapes-SOLUTIONS.pdf (mathsdiy.com) Scale-Drawings-SOLUTIONS.pdf (mathsdiy.com) |
| 5/8/24 | Solving linear equations Rearranging formulae Histograms Stratified and random sampling | Changing-The-Subject-of-a-Formula.pdf (mathsdiy.com) Equations.pdf (mathsdiy.com) equations-forming-and-solving-v1.pdf (mathsdiy.com) Histograms.pdf (mathsdiy.com) stratified-sampling-v1.pdf (mathsdiy.com) Sampling & questionnaires (revisegcsemaths.co.uk) | Changing-the-Subject-of-a-Formula-SOLUTIONS.pdf (mathsdiy.com) Equations-SOLUTIONS.pdf (mathsdiy.com) Equations-Forming-and-Solving-SOLUTIONS.pdf (mathsdiy.com) Histograms-SOLUTIONS.pdf (mathsdiy.com) stratified-sampling-solutions.pdf (mathsdiy.com) |
| 12/8/24 | Trigonometry and Pythagoras | pythagoras-v1.pdf (mathsdiy.com) right-angled-trigonometry-v1.pdf (mathsdiy.com) | Pythagoras-SOLUTIONS.pdf (mathsdiy.com) Right-Angled-Trigonometry-SOLUTIONS.pdf (mathsdiy.com) |
| 19/8/24 | Volume and area | Volume-the-basics-v1.pdf (mathsdiy.com) volume-of-a-prism-v2.pdf (mathsdiy.com) area-advanced-v1.pdf (mathsdiy.com) (there are some easier area questions on mathsdiy.com if these are too advanced) https://members.gcsepod.com/shared/podcasts/chapter/63389 | Volume-The-Basics-SOLUTIONS.pdf (mathsdiy.com) Volume-of-a-Prism-SOLUTIONS.pdf (mathsdiy.com) Area-Advanced-SOLUTIONS.pdf (mathsdiy.com) |

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|-------------------------|--|---|--|
| 26/8/24 | Surface area and volumes of spheres, cones, pyramids, compound shapes Dimensions Arc length and area of a sector | Dimensions.pdf (mathsdiy.com) Arc-Length-and-Area-of-a-Sector.pdf (mathsdiy.com) | Dimensions-SOLUTIONS.pdf (mathsdiy.com) Arc-Length-Area-of-a-Sector-SOLUTIONS-v1.pdf (mathsdiy.com) |
| 2/9/24 | Sequence and Patterns Venn Diagrams Coordinates | sequences-the-basics-v1.pdf (mathsdiy.com) Venn diagrams### (revisegcsemaths.co.uk) coordinates-v1.pdf (mathsdiy.com) | Sequences-The-Basics-SOLUTIONS.pdf (mathsdiy.com) Coordinates-SOLUTIONS.pdf (mathsdiy.com) |
| 9/9/34 | Distance/ time graphs Area under a graph Conversion Graphs Travel Graphs Exchange Rates | GCSEPod GCSEPod conversion-graphs-v1.pdf (mathsdiy.com) travel-graphs-v1.pdf (mathsdiy.com) Foreign-Exchange.pdf (mathsdiy.com) | Conversion-Graphs-SOLUTIONS.pdf (mathsdiy.com) Travel-Graphs-SOLUTIONS-v1.pdf (mathsdiy.com) Foreign-Exchange-SOLUTIONS.pdf (mathsdiy.com) |
| 16/9/24 | Angles in Parallel lines Bearings Measures and conversion of metric to imperial measures. | angles-parallel-lines-v1.pdf (mathsdiy.com) Bearings-v1.pdf (mathsdiy.com) Conversion Metric - Imperial (revisegcsemaths.co.uk) | Angles-Parallel-Lines-solutions.pdf (mathsdiy.com) Bearings-SOLUTIONS.pdf (mathsdiy.com) |
| 23/9/24 | Algebra simplifying including expanding brackets Direct and Indirect Proportion Proportionality | Algebraic-Expressions.pdf (mathsdiy.com) Simplifying-v1.pdf (mathsdiy.com) expansion-the-basics-V1.pdf (mathsdiy.com) Expanding-Brackets-SOLUTIONS.pdf (mathsdiy.com) proportion-direct-inverse-v1.pdf (mathsdiy.com) Proportionality.pdf (mathsdiy.com) | Algebraic-Expressions-SOLUTIONS.pdf (mathsdiy.com) Simplifying-SOLUTIONS.pdf (mathsdiy.com) Expansion-The-Basics-SOLUTIONS.pdf (mathsdiy.com) Expanding-Brackets-SOLUTIONS.pdf (mathsdiy.com) Proportion-Direct-and-Inverse-SOLUTIONS.pdf (mathsdiy.com) Proportionality-SOLUTIONS.pdf (mathsdiy.com) |
| 30/09/24 onwards | Past papers (link below) | Aim to do 1 calculator and 1 non-calculator paper each week. Start off just trying to complete each paper over a few days, building up to doing more of the paper and complete papers by wc 21 st October at the latest. | |

Past papers link:

[GCSE Numeracy Past Papers - MathsDIY](#)

Exam dates November 2024:

| | Unit 1 | Unit 2 |
|-------------------|-------------------------------------|--------------------------------------|
| Numeracy : | Tuesday 5 th November am | Thursday 7 th November am |

Log in to Dr Frost maths : www.drfrost.co.uk

Use your school email address to log into Dr Frost.

ReviseGCSEMaths link : [Higher | WJEC Maths GCSE revision \(revisegcsemaths.co.uk\)](#)

GCSEpod : www.gcsepod.co.uk

When you have logged into GCSEpod you can use the search facility to find pods to help you revise.