



September 23

Dear Parent/Carer,

The first (non-calculator) GCSE Mathematics-Numeracy exam is only 42 calendar days away, so we are running drop-in revision sessions after school 3-3.30 on Mondays and Wednesdays for all year 11 students to support them in their preparation for the exams.

Students need to bring along questions that they need help with or would like to work on for this time.

We also have sessions on Tuesdays and Thursdays for a focused group, so your child may have also been invited to attend this.

I have attached the letter that the faculty sent out in the summer, and the support guides for revision for your convenience.

Final decisions are being made for tiers of entry this week. If you have any queries, please contact your child's class teacher in the first instance.

Kind regards

Fiona Harding



Dear Parent/Guardian,

As I am sure you are aware, students in year 10 will be sitting GCSE Mathematics-Numeracy in the Autumn term of year 11. To support them in their preparation for the examination, we have put together a revision plan. This plan is not compulsory, however students may find it beneficial to help them to structure revision and get an early start over the coming summer break. This has been uploaded to Teams for classes, but I am also enclosing a copy of the Higher and Intermediate/Foundation plans with this email to help you to support your child.

Most students recently sat a PPE in their Mathematics lessons which has given them, and us, a snapshot of their current performance level. This, together with another PPE that all students will be sitting in w/c Sept 25th 2023, will help class teachers to confirm the most appropriate tier of entry for each student for them to secure the best possible grade. It is vital that students are fully prepared for this paper so that we can be confident of their success at the tier of entry. For information, grades available at each tier are:

Higher: A\* - C (failure to achieve a C would result in a U grade)

Intermediate: B – E (failure to achieve an E would result in a U grade)

Foundation: D – G

It is vital that students attend for this September PPE so that class teachers have as much information as possible to help them make decisions on tiers of entry.

The actual GCSE Maths Numeracy exam dates are Tuesday 7<sup>th</sup> and Thursday 9<sup>th</sup> November.

Any students also sitting the GCSE Mathematics examination, the dates are Monday 13<sup>th</sup> and Wednesday 15<sup>th</sup> November.

It was really pleasing that the majority of students had the correct items for the recent maths examinations, so thank you for your support with this. Could you please check that your child has all of the correct mathematics equipment ready for September for lessons and the exams next year i.e. geometry 'set' (protractor and compasses) and scientific calculator, as well as equipment needed for all lessons (pen – black for exams, pencil, ruler).

May I take this opportunity to thank you for your support this year, and hope you have a lovely summer.

Yours Faithfully,

Mrs Fiona Harding  
Mathematics Faculty Leader

# Year 10 Higher Revision Plan Summer / Autumn 2023

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
10/7/23	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	<a href="#">Factors-Multiples-Primes-v1.pdf (mathsdiy.com)</a> <a href="#">Prime-Factors-HCF-and-LCM.pdf (mathsdiy.com)</a> <a href="#">indices-the-basics.pdf (mathsdiy.com)</a> <a href="#">Indices.pdf (mathsdiy.com)</a> GCSEPod <a href="#">upper-lower-bounds-v1.pdf (mathsdiy.com)</a> <a href="#">Compound measure-density,speed# (revisegcsemaths.co.uk)</a> GCSEPod  <a href="#">Rational-Irrational-Numbers-Surds-v2.pdf (mathsdiy.com)</a> GCSEPod	<a href="#">Factors-Multiples-Primes-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Prime-Factors-LCM-HCF-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Indices-the-Basics-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Indices-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Upper-and-Lower-Bounds-SOLUTIONS.pdf (mathsdiy.com)</a>  <a href="#">Rational-Irrational-Numbers-Surds-SOLUTIONS.pdf (mathsdiy.com)</a>

<b>17/7/23</b>	Standard form Tax Household bills Compound Interest Understanding AER, APR	<a href="#">standard-form-v1.pdf (mathsdiy.com)</a> <a href="#">Tax, bills &amp; other computational (revisegcsemaths.co.uk)</a> <a href="#">compound-interest-v1.pdf (mathsdiy.com)</a> <a href="#">Compound interest AER APR# (revisegcsemaths.co.uk)</a>	<a href="#">Standard-form-solutions.pdf (mathsdiy.com)</a>  <a href="#">Compound-Interest-Solutions.pdf (mathsdiy.com)</a>
<b>24/7/23</b>	Fractions, decimals and percentages Recurring decimals to fractional form	<a href="#">Fractions-Decimals-Percentages.pdf (mathsdiy.com)</a> <a href="#">Recurring-Decimals-v1.pdf (mathsdiy.com)</a>	<a href="#">Fractions-Decimals-Percentages-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Recurring-Decimals-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>31/7/23</b>	Congruency and Similar Shapes Quadrilaterals Loci  Maps and Scales	<a href="#">Congruency.pdf (mathsdiy.com)</a> <a href="#">Congruency-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Similar-Triangles-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Locus.pdf (mathsdiy.com)</a> <a href="#">Loci and Construction### (revisegcsemaths.co.uk)</a> <a href="#">scale-drawing-v1.pdf (mathsdiy.com)</a>	<a href="#">Congruency-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Similar-Triangles-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">2D-and-3D-shapes-SOLUTIONS.pdf (mathsdiy.com)</a>  <a href="#">Scale-Drawings-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>7/8/23</b>	Solving linear equations Rearranging formulae  Histograms Stratified and random sampling	<a href="#">Changing-The-Subject-of-a-Formula.pdf (mathsdiy.com)</a> <a href="#">Equations.pdf (mathsdiy.com)</a> <a href="#">equations-forming-and-solving-v1.pdf (mathsdiy.com)</a>  <a href="#">Histograms.pdf (mathsdiy.com)</a> <a href="#">stratified-sampling-v1.pdf (mathsdiy.com)</a> <a href="#">Sampling &amp; questionnaires (revisegcsemaths.co.uk)</a>	<a href="#">Changing-the-Subject-of-a-Formula-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Equations-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Equations-Forming-and-Solving-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Histograms-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">stratified-sampling-solutions.pdf (mathsdiy.com)</a>
<b>14/8/23</b>	Trigonometry and Pythagoras	<a href="#">pythagoras-v1.pdf (mathsdiy.com)</a> <a href="#">right-angled-trigonometry-v1.pdf (mathsdiy.com)</a>	<a href="#">Pythagoras-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Right-Angled-Trigonometry-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>21/8/23</b>	Volume and area	<a href="#">Volume-the-basics-v1.pdf (mathsdiy.com)</a> <a href="#">volume-of-a-prism-v2.pdf (mathsdiy.com)</a> <a href="#">area-advanced-v1.pdf (mathsdiy.com)</a> (there are some easier area questions on mathsdiy.com if these are too advanced)  <a href="https://members.gcsepod.com/shared/podcasts/chapter/63389">https://members.gcsepod.com/shared/podcasts/chapter/63389</a>	<a href="#">Volume-The-Basics-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Volume-of-a-Prism-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Area-Advanced-SOLUTIONS.pdf (mathsdiy.com)</a>

<b>28/8/23</b>	Surface area and volumes of spheres, cones, pyramids, compound shapes Dimensions Arc length and area of a sector	<a href="#">Dimensions.pdf (mathsdiy.com)</a> <a href="#">Arc-Length-and-Area-of-a-Sector.pdf (mathsdiy.com)</a>	<a href="#">Dimensions-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Arc-Length-Area-of-a-Sector-SOLUTIONS-v1.pdf (mathsdiy.com)</a>
<b>4/9/23</b>	Sequence and Patterns Venn Diagrams Coordinates	<a href="#">sequences-the-basics-v1.pdf (mathsdiy.com)</a> <a href="#">Venn diagrams### (revisegcsemaths.co.uk)</a> <a href="#">coordinates-v1.pdf (mathsdiy.com)</a>	<a href="#">Sequences-The-Basics-SOLUTIONS.pdf (mathsdiy.com)</a>  <a href="#">Coordinates-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>11/9/23</b>	Distance/ time graphs Area under a graph Conversion Graphs Travel Graphs Exchange Rates	<a href="#">GCSEPod</a> <a href="#">GCSEPod</a> <a href="#">conversion-graphs-v1.pdf (mathsdiy.com)</a> <a href="#">travel-graphs-v1.pdf (mathsdiy.com)</a> <a href="#">Foreign-Exchange.pdf (mathsdiy.com)</a>	<a href="#">Conversion-Graphs-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Travel-Graphs-SOLUTIONS-v1.pdf (mathsdiy.com)</a> <a href="#">Foreign-Exchange-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>18/9/23</b>	Angles in Parallel lines Bearings Measures and conversion of metric to imperial measures.	<a href="#">angles-parallel-lines-v1.pdf (mathsdiy.com)</a> <a href="#">Bearings-v1.pdf (mathsdiy.com)</a> <a href="#">Conversion Metric - Imperial (revisegcsemaths.co.uk)</a>	<a href="#">Angles-Parallel-Lines-solutions.pdf (mathsdiy.com)</a> <a href="#">Bearings-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>25/9/23</b>	Algebra simplifying including expanding brackets  Direct and Indirect Proportion Proportionality	<a href="#">Algebraic-Expressions.pdf (mathsdiy.com)</a> <a href="#">Simplifying-v1.pdf (mathsdiy.com)</a> <a href="#">expansion-the-basics-V1.pdf (mathsdiy.com)</a> <a href="#">Expanding-Brackets-SOLUTIONS.pdf (mathsdiy.com)</a>  <a href="#">proportion-direct-inverse-v1.pdf (mathsdiy.com)</a> <a href="#">Proportionality.pdf (mathsdiy.com)</a>	<a href="#">Algebraic-Expressions-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Simplifying-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Expansion-The-Basics-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Expanding-Brackets-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Proportion-Direct-and-Inverse-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Proportionality-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>3/10/23 onwards</b>	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 24 <sup>th</sup> October at the latest.	

**Past papers link:**

[GCSE Maths Past Papers - MathsDIY](#)

**Exam dates November 2023:**

	<b>Unit 1</b>	<b>Unit 2</b>
<b>Numeracy :</b>	Tuesday 7 <sup>th</sup> November am	Thursday 9 <sup>th</sup> November am

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

**GCSEpod :** [www.gcsepod.co.uk](http://www.gcsepod.co.uk)

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

# Year 10 Intermediate Revision Plan Summer / Autumn 2023

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
10/7/23	Types of numbers: Primes, multiples, HCF, LCM, prime factorisation, indices Upper and Lower Bounds Compound Measures (S/D/T)	<a href="#">Factors-Multiples-Primes-v1.pdf (mathsdiy.com)</a> <a href="#">Prime-Factors-HCF-and-LCM.pdf (mathsdiy.com)</a> <a href="#">indices-the-basics.pdf (mathsdiy.com)</a> <a href="#">upper-lower-bounds-v1.pdf (mathsdiy.com)</a> <a href="#">Compound measure-density,speed# (revisegcsemaths.co.uk)</a> <a href="#">GCSEPod</a>	<a href="#">Factors-Multiples-Primes-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Prime-Factors-LCM-HCF-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Indices-the-Basics-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Upper-and-Lower-Bounds-SOLUTIONS.pdf (mathsdiy.com)</a>
17/7/23	Standard form Tax Household bills Compound Interest	<a href="#">standard-form-v1.pdf (mathsdiy.com)</a> <a href="#">Tax, bills &amp; other computational (revisegcsemaths.co.uk)</a> <a href="#">compound-interest-v1.pdf (mathsdiy.com)</a>	<a href="#">Standard-form-solutions.pdf (mathsdiy.com)</a>  <a href="#">Compound-Interest-Solutions.pdf (mathsdiy.com)</a>

<b>24/7/23</b>	Fractions, decimals and percentages	<a href="#">Fractions-Decimals-Percentages.pdf (mathsdiy.com)</a>	<a href="#">Fractions-Decimals-Percentages-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>31/7/23</b>	Congruency and Similar Shapes Quadrilaterals Loci  Maps and Scales	<a href="#">Congruency.pdf (mathsdiy.com)</a> <a href="#">Congruency-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Similar-Triangles-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Locus.pdf (mathsdiy.com)</a> <a href="#">Loci and Construction### (revisegcsemaths.co.uk)</a> <a href="#">scale-drawing-v1.pdf (mathsdiy.com)</a>	<a href="#">Congruency-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Similar-Triangles-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">2D-and-3D-shapes-SOLUTIONS.pdf (mathsdiy.com)</a>  <a href="#">Scale-Drawings-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>7/8/23</b>	Solving linear equations  Stratified and random sampling	<a href="#">Equations.pdf (mathsdiy.com)</a> <a href="#">equations-forming-and-solving-v1.pdf (mathsdiy.com)</a>  <a href="#">stratified-sampling-v1.pdf (mathsdiy.com)</a>	<a href="#">Equations-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Equations-Forming-and-Solving-SOLUTIONS.pdf (mathsdiy.com)</a>  <a href="#">stratified-sampling-solutions.pdf (mathsdiy.com)</a>
<b>14/8/23</b>	Rearranging formulae	<a href="#">Changing-The-Subject-of-a-Formula.pdf (mathsdiy.com)</a>	<a href="#">Changing-the-Subject-of-a-Formula-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>21/8/23</b>	Trigonometry and Pythagoras	<a href="#">pythagoras-v1.pdf (mathsdiy.com)</a> <a href="#">right-angled-trigonometry-v1.pdf (mathsdiy.com)</a>	<a href="#">Pythagoras-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Right-Angled-Trigonometry-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>28/8/23</b>	Volume and area  Dimensions	<a href="#">Volume-the-basics-v1.pdf (mathsdiy.com)</a> <a href="#">volume-of-a-prism-v2.pdf (mathsdiy.com)</a> <a href="#">area-advanced-v1.pdf (mathsdiy.com)</a> (there are some easier area questions on mathsdiy.com if these are too advanced) <a href="#">Dimensions.pdf (mathsdiy.com)</a>	<a href="#">Volume-The-Basics-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Volume-of-a-Prism-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Area-Advanced-SOLUTIONS.pdf (mathsdiy.com)</a>  <a href="#">Dimensions-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>4/9/23</b>	Sequence and Patterns Venn Diagrams Coordinates	<a href="#">sequences-the-basics-v1.pdf (mathsdiy.com)</a> <a href="#">Venn diagrams### (revisegcsemaths.co.uk)</a> <a href="#">coordinates-v1.pdf (mathsdiy.com)</a>	<a href="#">Sequences-The-Basics-SOLUTIONS.pdf (mathsdiy.com)</a>  <a href="#">Coordinates-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>11/9/23</b>	Conversion Graphs Travel Graphs Exchange Rates	<a href="#">conversion-graphs-v1.pdf (mathsdiy.com)</a> <a href="#">travel-graphs-v1.pdf (mathsdiy.com)</a> <a href="#">Foreign-Exchange.pdf (mathsdiy.com)</a>	<a href="#">Conversion-Graphs-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Travel-Graphs-SOLUTIONS-v1.pdf (mathsdiy.com)</a> <a href="#">Foreign-Exchange-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>18/9/23</b>	Angles in Parallel lines Bearings Measures and conversion of metric to imperial measures.	<a href="#">angles-parallel-lines-v1.pdf (mathsdiy.com)</a> <a href="#">Bearings-v1.pdf (mathsdiy.com)</a> <a href="#">Conversion Metric - Imperial (revisegcsemaths.co.uk)</a>	<a href="#">Angles-Parallel-Lines-solutions.pdf (mathsdiy.com)</a> <a href="#">Bearings-SOLUTIONS.pdf (mathsdiy.com)</a>



<b>25/9/23</b>	Algebra simplifying including expanding brackets  Direct and Indirect Proportion	<a href="#">Algebraic-Expressions.pdf (mathsdiy.com)</a> <a href="#">Simplifying-v1.pdf (mathsdiy.com)</a> <a href="#">expansion-the-basics-V1.pdf (mathsdiy.com)</a> <a href="#">Expanding-Brackets-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">proportion-direct-inverse-v1.pdf (mathsdiy.com)</a>	<a href="#">Algebraic-Expressions-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Simplifying-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Expansion-The-Basics-SOLUTIONS.pdf (mathsdiy.com)</a> <a href="#">Expanding-Brackets-SOLUTIONS.pdf (mathsdiy.com)</a>  <a href="#">Proportion-Direct-and-Inverse-SOLUTIONS.pdf (mathsdiy.com)</a>
<b>2/10/23 onwards</b>	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 24 <sup>th</sup> October at the latest.	

### Past papers link:

[GCSE Maths Past Papers - MathsDIY](#)

### Exam dates November 2023:

	<b>Unit 1</b>	<b>Unit 2</b>
<b>Numeracy :</b>	Tuesday 7 <sup>th</sup> November am	Thursday 9 <sup>th</sup> November am

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

**MathsDIY :** [www.mathsdiy.com](http://www.mathsdiy.com)

**Select GCSE, Numeracy Papers then choose the Intermediate section**

**GCSEpod :** [www.gcsepod.co.uk](http://www.gcsepod.co.uk)

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