

# Year 10 H Maths GCSE Revision Resources

Subject	Papers	Duration
Mathematics Exam Board OCR	3 Papers each 1.5 hours Paper 1 Calculator Paper 2 Non Calculator Paper 3 Calculator	1hr 30 mins each
<p>Calculator – Make sure you have a working scientific calculator. Either get the Logik Calculator from school (£8 on parent pay) or get a Casio calculator if you are getting it elsewhere. It must be one of these otherwise it won't be up to standard for your exams.</p> <p>It is vital you have a scientific calculator and know how to use if for your exams.</p>		
Websites to use	What is on there	
1	<a href="https://www.sparxmaths.uk/">https://www.sparxmaths.uk/</a>	Use the independent learning section to work on the areas you struggled with on your mock. Ask you teacher for specific areas
2	<a href="https://corbettmaths.com/contents/">https://corbettmaths.com/contents/</a>	Checklists, videos on specific topics, practice exam style questions on all topics and practice GCSE papers. Make sure you go on the OCR section if using the practice papers.
3	<a href="https://www.mathsgenie.co.uk/gcse.html">https://www.mathsgenie.co.uk/gcse.html</a>	Videos, practice questions and exam questions on all topics. RAG rate the checklist and focus your revision on the areas you are the least confident on. Make sure you check your answers for all revision you do.
4	<a href="https://www.onmaths.com/">https://www.onmaths.com/</a>	Unlimited predicted papers. Make sure you select the right tier (Higher) and OCR and then work through the questions. Have a pen and paper to hand for working out too.

**GCSE Higher Tier**  
**Checklist**



- Adding Fractions - Video 133
- Multiplying Fractions - Video 142
- Dividing Fractions - Video 134
- Reciprocal - Video 145
- Decimals - Video 90, 91, 92, 93, 94
- Use of a Calculator - Video 352
- Estimation - Video 215
- Best Buys - Video 210
- Currency - Video 214a
- Conversion Graphs - Video 151, 152
- LCM/HCF - Videos 218, 219
- Product of Primes - Videos 223, 224
- Indices - Videos 172, 174
- Indices (fractional/negative) - Videos 173, 175
- Standard Form - Videos 300, 301, 302, 303
- Percentages of Amounts - Videos 234, 235, 238
- Percentage change - Video 233
- Simple Interest - Video 236a
- Compound Interest - Video 236
- Reverse Percentages - Video 240
- Recurring Decimals to Fractions - Video 96
- Ratio - Videos 270, 271, 271a, 271b, 271c
- Direct Proportion - Video 254
- Inverse Proportion - Video 255
- Proportional Graphs - Video 255b
- Proportion (application) - Video 255c
- Limits of Accuracy - Videos 183, 184
- Surds - Videos 305, 306, 307, 308
- Product Rule for Counting - Video 383
- Error Intervals - Video 377, 280
- Collecting Like Terms - Video 9
- Expanding Brackets - Videos 13, 14, 15
- Factorising - Video 117
- Factorising Quadratics - Videos 118, 119, 120, 119a
- Algebraic Fractions - Videos 21, 22, 23, 24
- Sequences (nth term) - Videos 288, 289
- nth term (quadratics) - Video 388
- Substitution - Video 20
- Equations - Videos 110, 113, 114, 115
- Changing the Subject - Videos 7, 8
- Inequalities - Videos 177, 178, 179
- Inequalities (Regions) - Video 182
- Quadratic Inequalities - Video 378
- Linear Graphs - Videos 191, 186, 189, 194
- Midpoint of a Line - Video 198
- Real-life Linear Graphs - Video 171a
- Parallel or Perpendicular Lines - Videos 196, 197
- Simultaneous Equations - Video 295
- Non-linear Simultaneous Equations - Video 298
- Graphical Simultaneous Equations - Video 297
- Angles in Parallel Lines - Video 25, 39
- Bearings - Video 26, 27
- Angles in Polygons - Video 32
- Constructions - Video 78, 72, 79, 80, 70
- Loci - Videos 75, 76, 77
- VIEWS - Video 354
- Area of a Trapezium - Video 48
- Circumference - Video 60
- Area of a Circle - Video 40
- Arc Length - Video 58
- Area of a Sector - Video 48
- Volume of a Cylinder - Video 357
- Pythagoras - Video 257, 259
- Trigonometry - Videos 329, 330, 331
- 3D Trig and Pythagoras - Videos 259, 332
- Exact Trig Values - Video 341
- Volume of a Prism - Video 356
- Volume of a Cone/Pyramid/Sphere - Videos 359-361
- Volume of a Frustum - Video 360a
- Surface Area of a Prism - Video 311
- Surface Area of Cone/Sphere - Videos 314, 313
- Metric Units (area/volume) - Videos 350, 351
- Translations - Video 325
- Reflections - Video 272
- Rotations - Video 275
- Enlargements - Videos 104, 106, 107, 108
- Similar Shapes - Videos 292, 293a, 293b
- Circle Theorems - Videos 64, 65
- Sine Rule - Video 333
- Cosine Rule - Videos 335, 336
- 1/2abSinc - Video 337
- Vectors - Video 353
- Column Vectors - Video 353a
- Travel Graphs - Video 171
- Speed, Distance, Time - Video 299
- Density - Video 384
- Pressure - Video 385
- Geometric Proof - Video 366
- Congruent Triangles - Video 67
- Invariant Points - Video 392
- Frequency Trees - Video 376
- Two-way Tables - Video 319
- Pie Charts - Videos 163, 164
- Scatter Graphs - Videos 165, 166
- Histograms - Video 157, 158, 159
- Cumulative Frequency - Videos 153, 154
- Box Plots - Video 149
- Independent Events - Video 249
- Estimated Mean - Video 55
- Combined Mean - Video 53a
- Median (frequency table) - Videos 51, 52
- Modal class (frequency table) - Video 56a
- Probability - Video 250
- Relative frequency - Video 248
- Samples - Video 281a
- Tree Diagrams - Video 252
- Conditional Probability - Video 247
- Venn Diagrams - Video 380
- Equation of a Circle - Video 12
- Equation of a tangent - Video 372
- Instantaneous rates of change - Video 390a
- Average rates of change - Video 390b
- Area under a curve - Video 389
- Composite Functions - Video 370
- Inverse Functions - Video 369
- Quadratic Graphs - Video 264
- Solving Quadratics Graphically - Videos 367c, 367d
- Sketching Quadratics - Video 265
- Trigonometric Graphs - Videos 338, 339
- Cubic Graphs - Video 344
- Reciprocal Graphs - Video 346
- Exponential Graphs - Video 345
- Geometric Sequences - Video 375
- Algebraic Proof - Video 365
- Quadratic Formula - Video 267
- Completing the Square - Video 10, 371
- Transformations of Graphs - Video 323, 324
- Identities - Video 16a
- Iteration - Video 373, 373a, 373b