

Year 11 Maths GCSE Revision Resources

Subject Mathematics		Papers 3 papers Paper 1 – Non calculator Paper 2 – Calculator Paper 3 – Calculator	Duration 1hr 30 mins each
Calculator – Make sure you have a working scientific calculator. We sell the logik calculators from reception but you can get casio class wiz calculators from most supermarkets.			
Websites to use		What is on there	
1	https://www.sparxmaths.uk/	Use the independent learning section to work on the areas you struggled with on your mock. Use Pinpoint maths to identify which areas you need to work on – the codes for topics you need to work on will be in your pinpoint maths matrix	
2	https://www.pinpointlearning.co.uk/Student_login.php	You will have put your October Mock papers in to this so will have bespoke revision questions to work through. It also has Sparx codes next to the topics identified that you need to work on. Make sure you also put your homework papers into this to get your new bespoke revision booklet and updated maths matrix.	
3	https://www.onmaths.com/	Unlimited predicted papers. Make sure you select the right tier (higher/ foundation) and AQA and then work through the questions. Have a pen and paper to hand for working out too.	
4	Past papers – Set every fortnight in lessons	When completing your past paper: <ol style="list-style-type: none"> 1. Give yourself 1 hour and 30 mins to complete it. 2. Anything you don't complete in that time do in a different colour 3. After marking your answers, put your scores into pinpoint to get your 5 key topics to work on. 4. Plan to do focused revision on these topics before you complete another paper. 	

On the checklist, using three colours, RAG rate the topics in the following way to focus your revision:

RED - Not Confident AMBER – Okay but need to practice GREEN – Happy with this

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
 Distance between 2 points - Video 185
 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 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
 1/2ab sin C - 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
 Quartiles - Video 57a
 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