

MATHS

VISTA in Year 11

GCSE Exams (Edexcel Exam Board)

- 3 Papers
 - Paper 1 – Non-Calculator paper
 - Papers 2 & 3 – Calculators permitted
 - Each paper 1hour 30 mins
- October Mock exams
- February Mock exams

The Plan...

- Data informed Intervention
 - Targeted Tutor time very small group with Mr Lewis (Mon / Tue / Wed)
 - Tuesday after school Intervention
 - 3 separate groups across 3 different levels
 - Specifically invited students
 - All are welcome to attend in the LRC if not in a specific group
- Use of specialist resources to prepare students for exams
- Mini-Mocks
- Yr11 Revision team on 'Teams'

What do the Students need to do....

- Complete weekly homework
- Attend Interventions
- Use online resources
 - Mathswatch
 - Corbett Maths
 - Maths Genie
- Audit own knowledge to generate revision lists

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

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Edexcel GCSE Higher Tier Checklist



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
 1/2abSinC - 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
 Frequency Polygons - Videos 155, 156
 Stem-and-leaf - Videos 169, 170
 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
 Capture Recapture - Video 391
 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 267c, 267d
 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
 Iteration - Video 373, 373a, 373b

Angle Facts - Video 35, 30, 34, 39
 Types of Angle - Video 38
 Angles in Parallel Lines - Video 25
 Angles in a Triangle - Video 37
 Angles in a Quadrilateral - Video 33
 Angles in Polygons - Video 32
 Bearings - Videos 26, 27
 Scales & Maps - Video 283
 Perimeter - Video 241
 Area of Rectangles/Triangles - Videos 45, 49
 Area of a Trapezium - Video 48
 Units - Videos 347, 349
 Sensible Estimates - Video 285
 Line Symmetry - Video 316
 Rotational Symmetry - Video 317
 Constructions - Videos 72, 78, 83
 Loci - Videos 75, 76, 77
 Faces, Edges, Vertices - Videos 5, 3
 Nets - Video 4
 Views and Elevations - Video 354
 Time Calculations - Video 322
 Timetables - Video 320
 Distance Charts - Video 318
 Speed, Distance, Time - Video 299
 Travel Graphs - Video 171
 Density - Video 384
 Pressure - Video 385
 Translations - Video 325, 326
 Reflections - Videos 272, 273
 Rotations - Video 275
 Enlargements - Videos 104, 105, 107
 Parts of the Circle - Video 61
 Circumference - Video 60, 243
 Area of a Circle - Video 59, 47
 Arc Length - Video 58
 Area of a Sector - Video 46
 Volume of a Cylinder - Video 357
 Pythagoras - Video 257
 Trigonometry - Videos 329, 330, 331
 Exact Trig Values - Video 341
 Similar Shapes (sides) - Video 292
 Congruent Triangles - Video 67
 Volume of a Cuboid/Prism - Video 355, 356
 Volume of a Sphere/Cone - Videos 359, 361
 Surface Area - Video 310
 Surface area of Sphere/Cone - Videos 313, 314
 Vectors - Video 353a, 353

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Edexcel GCSE Foundation Tier Checklist

Multiplication - Video 199, 200
 Division - Video 98
 Addition - Video 6
 Subtraction - Video 304
 Rounding - Video 276, 277a, 277b, 278, 280
 Estimation - Video 215
 Order of Operations - Video 211
 Ordering Decimals - Video 95
 Arithmetic with Decimals - Videos 90, 91, 92, 93, 94
 Multiples and Factors - Videos 220, 216
 Prime Numbers - Video 225
 Square Numbers and Square Roots - Videos 226, 228
 Cube Numbers and Cube Roots - Videos 212, 214
 Product of Primes - Video 223
 LCM/HCF - Videos 218, 219, 224
 Indices - Videos 172, 174
 Negative Indices - Video 175
 Standard Form - Video 300, 302, 303
 Fractions of Amounts - Video 137
 Adding Fractions - Video 133
 Multiplying Fractions - Video 142
 Dividing Fractions - Video 134
 Reciprocals - Video 145
 Fractions, Decimals, Percentages - Videos 121 to 129
 Expressing as Fraction or % - Videos 136, 237
 Percentages of Amounts - Videos 234, 235, 238
 Percentage Change - Video 233
 Simple Interest - Video 236a
 Compound Interest - Video 236
 Reverse Percentages - Video 240
 Ratio - Videos 269, 270, 271
 Currency - Video 214a
 Recipes - Video 256
 Negative Numbers - Videos 205-209
 Place Value - Video 222, 222a
 Error Intervals - Video 377
 Money - Video 400
 Best Buys - Video 210
 Proportion - Videos 255a, 254
 Use of a Calculator - Video 352

Tally Charts - Video 321
 Frequency Trees - Video 376
 Two-way Tables - Video 319
 Pictograms - Videos 161, 162
 Bar Charts - Videos 147, 148
 Frequency Polygons - Videos 155, 156
 Line Graphs - Video 160
 Pie Charts - Video 163, 164
 Probability - Videos 245, 246, 248
 Relative Frequency - Video 248
 Listing Outcomes - Video 253
 Scatter Graphs - Videos 165 to 168
 Stem and Leaf - Videos 169, 170
 Averages & Range - Videos 56, 50, 53, 57
 Mode: Frequency Table - Video 56a
 Median: Frequency Table - Video 51
 Combined Mean - Video 53a
 Estimated Mean - Video 55
 Venn Diagrams - Video 380
 Tree Diagrams - Video 252
 Reading Tables - Video 387
 Samples - Video 281a
 Coordinates - Video 84
 Function Machine - Video 386
 Writing Expressions - Video 16
 Collecting Like Terms - Video 9
 Multiplying & Dividing Terms - Videos 18, 11
 Laws of Indices - Video 174
 Sequences - Videos 286, 287, 290, 287a
 The nth Term - Video 288
 Expanding Brackets - Videos 13, 14
 Factorising - Video 117
 Factorising Quadratics - Videos 118, 120
 Solving Equations - Video 110, 113, 266
 Forming Equations - Videos 114, 115
 Inequalities - Videos 177, 178, 179
 Conversion Graphs - Video 151
 Drawing Linear Graphs - Video 186
 $y = mx + c$ - Video 191
 Gradient - Video 189
 Real Life Graphs - Video 171a
 Parallel graphs - Video 196
 Substitution - Video 20
 Changing the Subject - Video 7
 Simultaneous Equations - Videos 295, 297
 Quadratic Graphs - Video 264
 Cubic Graphs - Video 344
 Reciprocal Graphs - Video 346



How do you support...

- Talk to them about maths...
- Allow them space to revise...
- Ensure that they attend revision / Intervention sessions...
- Ask them each day what they will be revising that day.
- Just be there with them when they need it
- Calculator.....

Calculator

- You need a Casio fx-83GT CW+
- We can source these cheaper than the high street and Amazon.
- £10

