

| TOPIC | SUB HEADING - (LearnersCloud video names are generic to all UK GCSE Examination boards so may vary slightly) |
|--------------------|--|
| SECTION 1 - NUMBER | Calculator tips |
| | Ordering Numbers and Place Value |
| | Multiplying and Dividing Whole Numbers |
| | Multiplying and Dividing with Decimals |
| | Negative Numbers |
| | Rounding Numbers |
| | Estimating |
| | Bounds |
| | Special types of Number |
| | Multiples, Factors and Prime Factors |
| | LCM and HCF |
| | Fractions |
| | Fractions, Decimals and Percentages |
| | Fractions and Recurring Decimals |
| | Percentages |
| | Compound Growth and Decay |
| | Types of Interest Rate |
| | Ratios |
| | Direct and Inverse Proportion |
| | Powers and Roots |
| | Standard Form |

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|----------------------------|--|
| | Manipulating Surds |
| | Venn Diagrams |
| SECTION 2 - ALGEBRA | Algebra - Simplifying |
| | Algebra - Multiplying and Dividing |
| | Multiplying Double Brackets |
| | Factorising |
| | Using Formulas |
| | Solving Equations |
| | Formulas and Equations from Words |
| | Rearranging Formulas |
| | Factorising Quadratics |
| | The Quadratic Formula |
| | More difficult Quadratic Equations |
| | Trial and Improvement |
| | Algebraic Fractions |
| | Sequences |
| | Inequalities |
| | Graphical Inequalities |
| | Simultaneous Equations |
| | More Simultaneous Equations |
| | Solving Equations Using Graphs |
| | Algebraic Proportion |
| | Coordinates and Midpoints |
| | Straight Lines |
| | $y = mx + c$ |
| | Drawing Straight Line Graphs |
| | Parallel and Perpindicular Lines |
| | Quadratic Graphs |

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|----------------------------------|--|
| | Harder Graphs |
| | Graph Transformations |
| | Real-life Graphs |
| | Distance-Time Graphs |
| | Velocity-Time Graphs |
| | Gradients of Real-life Graphs |
| SECTION 3 - GEOMETRY AND MEASURE | Symmetry |
| | Polygons |
| | Triangles and Quadrilaterals |
| | Congruence and Similarity |
| | The Four Transformations |
| | Perimeter and Area |
| | Area - Circles |
| | Nets and Surface Area |
| | 3D Shapes - Volume |
| | Projections |
| | Reading Scales |
| | Reading Timetables |
| | Units Conversions |
| | Area and Volume Conversions |
| | Compound Measures |
| | Angle Basics |
| | Angles and Shapes |
| | Parallel Lines |
| | Circle Geometry |
| | Quadrilateral and Triangle Construction |
| | Loci and Construction |

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|------------------------|--|
| | Bearings |
| | Maps and Scale Drawings |
| | Pythagoras' Theorem |
| | Trigonometry - Sin, Cos, Tan |
| | The Sine and Cosine Rules |
| | 3D Pythagoras |
| | 3D Trigonometry |
| | Trigonometric Graphs |
| | Angles of any size |
| SECTION 4 - STATISTICS | Planning an Investigation |
| | Sampling |
| | Collecting Data |
| | Mean, Median, Mode and Range |
| | Averages and Spread |
| | Simple Charts and Graphs |
| | Pie Charts |
| | Scatter Diagrams |
| | Interpreting Data |
| | Frequency Tables - Finding Averages |
| | Averages from Grouped Data |
| | Frequency Polygons and Diagrams |
| | Box and Whisker Plots |
| | Cumulative Frequency |
| | Histograms and Frequency Density |
| | Histograms and Frequency Distributions |
| | Probability Basics |
| | Counting Outcomes |
| | Probability Experiments |

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| | The AND/OR Rules |
| | Tree Diagrams |
| | Conditional Probability |
| | Probability from Venn Diagrams |