

# CCEA FOUNDATION GCSE MATHS EXAMINATION BOARD COVERAGE

TOPIC	SUB HEADING - (Learners Cloud video names are generic to all UK GCSE examination boards so may vary slightly)
<b>SECTION ONE - NUMBER</b>	Place Value and Ordering Numbers
	BODMAS (BIDMAS)
	Adding and Subtracting
	Multiplying and Dividing by 10,100 etc
	Multiplying and Dividing Whole Numbers
	Multiplying and Dividing with Decimals
	Negative Numbers
	Multiples and Factors
	LCM and HCF
	Prime Numbers
	Prime Factors
	Rounding Numbers
	Estimating
	Powers
	Roots
	Different Number System
<b>SECTION TWO - FRACTIONS, RATIOS AND PERCENTAGES</b>	Fractions
	Fractions, Decimals and Percentages
	Fractions and Recurring Decimals
	Ratios
	Direct Proportion Problems
	Percentages
	Repeated Percentage Change
<b>SECTION THREE - ALGEBRA</b>	Algebra - Simplifying
	Algebra - Multiplying Out Brackets
	Algebra - Taking Out Common Factors

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	Solving Equations
	Expressions, Formulas and Functions
	Formulas and Equations from Words
	Trial and Improvement
	Inequalities
	Rearranging Formulas
	Sequences
<b>SECTION FOUR - GRAPHS</b>	Coordinates
	Line Segments
	Straight-Line Graphs
	Drawing Straight-Line Graphs
	Real-Life Graphs
	Conversion Graphs
	Distance-Time Graphs
	Solving Equations Using Graphs
	Quadratic Graphs
<b>SECTION FIVE - MEASURES AND ANGLES</b>	Metric Units
	Imperial Units
	Area and Volume Conversion
	Reading Scales
	Time Intervals
	Compound Units
	Angle Basics
	Five Angle Rules
	Parallel Lines
	Geometry Problems
	Angles in Shapes
	Bearings
	Maps and Scale Drawings
	Pythagoras' Theorem
<b>SECTION SIX - SHAPES AND AREA</b>	Properties of 2D Shapes
	Perimeter and Area
	Circles
	3D Shapes

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	Cubes and Cuboids
	Prisms
	Plans and Elevations
	Construction
	Loci and Construction
	Translation
	Reflection
	Rotation
	Enlargement
<b>SECTION SEVEN - STATISTICS AND PROBABILITY</b>	Planning an Investigation
	Sampling and Bias
	Collecting Data
	Mean, Median, Mode and Range
	Frequency Tables - Finding Averages
	Two-Way Tables
	Venn Diagrams
	Pictograms and Bar Charts
	Pie Charts
	Other Charts and Graphs
	Scatter Diagrams
	Grouped Frequency Tables
	Interpreting Data
	Comparing Data Sets
	Probability Basics
	More Probability
	Expected Frequency