EDEXCEL FOUNDATION CHECKLIST 2017

FOUNDATION - Grades 1 - 5

Geometry and Measures

I can do this	Title
	Arc lengths and sectors
	Derive triangle results
	Enlargements and negative SF
	Loci
	Pythagoras
	Similarity and Congruence
	Standard constructions
	Surface Area
	Trigonometric ratios
	Volume
	Alternate and corresponding angles
	Area of a circle
	Areas of composite shapes
	Areas of triangles, trapezia and parallelograms
	Bearings
	Circle terminology
	Circumference of a circle
	Congruent triangles
	Enlargements and fractional SF
	Perimeter of 2D shapes
	Plans and elevations
	Polygons
	Solve geometrical problems
	Vector arithmetic
	Volume of prisms
	3-D Shapes
	Congruent and similar shapes
	Geometrical terminology and diagrams
	Measuring lines and angles
	Properties of quadrilaterals
	Properties of triangles
	Translations and vectors
	Using standard units

Algebra

I can do this	Title
	Algebraic terminology
	Cubic and Reciprocal graphs
	Deduce quadratic roots algebraically
	Derive an equation
	Equation of a line
	Expand the product of two binomials
	Factorising quadratic expressions
	Fibonacci, quadratic and simple geometric sequences
	Graphical solution to equations
	Inequalities on number lines
	Linear equations
	Quadratic graphs
	Reciprocal real-life graphs
	Simplify indices
	Simplify surds
	Solve linear inequalities in one variable
	Writing formulae and expressions
	Changing the subject
	Collecting like terms
	Expressions
	Factorise single bracket
	Finding the equation of a line
	Graphs of linear functions
	Graphs of quadratic functions
	Linear equations one unknown
	Multiplying single brackets
	Non-standard real life graphs
	nth term of a linear sequence
	Number machines
	Substitution
	Using "y = mx + c"
	Coordinates in four quadrants
	Plotting straight line graphs
	Position to term rules
	Sequences of square, triangular and cube numbers
	Using Formulae
	Sequences and Rules

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Statistics

I can do this	Title
	Histograms with equal class widths
	Scatter graphs
	Comparing data using graphs
	Comparing Distributions
	Correlation
	Population
	Sampling
	Scatter Diagrams
	Time series
	Charts and Diagrams
	Pie Charts
	Types of data
	Vertical Line Charts

Ratio, Proportion and rates of change

I can do this	Title
	Compound Units
	Gradient & the rate of change
	Growth and decay
	Interpret Proportion
	Percentage change
	Problems with compound units
	Scale factors and similarity
	Simple Interest and Financial Maths
	Solve Proportion Problems
	Compare Fractions, Decimals and Percentages
	Compare lengths, area, volume
	Comparing quantities as a ratio
	Division of a quantity as a ratio
	Express one quantity as a % of another
	Percentage change
	Problems involving ratio
	Proportion and ratio
	Ratio and fractions
	Ratio Sharing
	Convert standard units
	Express one quantity as a fraction of another
	Use ratio notation
	Use scale factors, diagrams and maps

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Number

I can do this	Title
	Calculating with fractions
	Error intervals
	Index Laws
	Limits of accuracy
	Adding and subtracting fractions
	Checking calculations
	Compound measures
	Converting metric units
	Estimation
	Fractions and percentages
	Fractions and ratio problems
	Interpret calculator displays
	LCM and HCF
	Multiples and factors
	Multiplying fractions
	Operations
	Order of operations
	Powers
	Rounding
	Standard Form
	Terminating decimals and fractions
	Decimals
	Listing outcomes
	Prime numbers
	Using standard units
	Add and Subtract integers
	Dividing integers
	Multiplying integers
	Ordering numbers
	Place value

Probability

I can do this	Title
	Probability of dependent events
	Probability of independent events
	Mutually exclusive sum
	Relative Frequency
	Tables and Grids
	Theoretical Probability
	Unbiased Samples
	Venn Diagrams
	Frequency Trees
	Probability of equally likely outcomes

Exam details:

Edexcel GCSE Mathematics A - Foundation

Exam Dates:

Paper 1 (non-calc) – Thursday 25th May 2017 AM

Paper 2 (calc) – Thursday 8th June 2017 AM

Paper 3 (calc) – Tuesday 13th June 2017 AM

All papers 90 mins each