EDEXCEL HIGHER CHECKLIST



Algebra

Lagra		
I can	Grade	T'11-
do		Title
this		
	9	Approximate solutions to
		equations using iteration.
	9	Equation of a circle
	9	Equation of a tangent
	8	Algebra and Proof
	c	Gradients and area under a
	8	graph
	0	Graphs of trigonometric
	8	functions
	0	Quadratic equations
	8	(completing the square)
	7	Composite functions
		Expand the product of two or
	7	more binomials
	7	Factorising difficult quadratic
		expressions
	7	Geometric Sequences
	7	Graphs of exponential functions
	7	Quadratic equations (needing
	,	re-arrangement)
	7	Quadratic equations (quadratic
	7	formula)
	7	Real-life exponential graphs
	7	Represent quadratic inequalities
	_	Simultaneous equations (non-
	7	linear)
	7	Solve quadratic inequalities
		Translations and reflections of a
	7	function
		Turning points & completing the
	7	square
	6	Algebraic fractions
	6	
		Identifying parallel lines Inverse functions
	6	
	6	Linear inequalities in two
		variables
	6	nth term of a quadratic
		Sequence
	6	Quadratic equations
		(factorisation)



		May be used
I can do this	Grade	Title
	6	Quadratic equations (graphical methods)
	6	Represent linear inequalities
	6	Simultaneous equations (linear)
	5	Algebraic argument
	5	Algebraic terminology
	5	Cubic and Reciprocal graphs
	5	Deduce quadratic roots algebraically
	5	Derive an equation
	5	Equation of a line
	5	Expand the product of two binomials
	5	Factorising quadratic expressions
	5	Fibonacci, quadratic and simple geometric sequences
	5	Graphical solution to equations
	5	Inequalities on number lines
	5	Linear equations
	5	Quadratic graphs
	5	Reciprocal real-life graphs
	5	Simplify indices
	5	Simplify surds
	5	Solve linear inequalities in one variable
	5	Writing formulae and expressions
	4	Changing the subject
	4	Collecting like terms
	4	Expressions
	4	Factorise single bracket
	4	Finding the equation of a line
	4	Graphs of linear functions
	4	Graphs of quadratic functions
	4	Linear equations one unknown
	4	Multiplying single brackets
	4	Non-standard real life graphs
	4	nth term of a linear sequence
	4	Number machines
	4	Substitution
	4	Using "y = mx + c"

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Geometry and Measures

Can do this			
8 Vector arguments and proof 7 Area of a triangle 7 Cosine Rule 7 Pythagoras and trig 2D and 3D 7 Sine Rule 6 Combined transformations 6 Congruence and Similarity 6 Standard trigonometric ratios 5 Arc lengths and sectors 5 Derive triangle results 5 Enlargements and negative SF 5 Loci 5 Pythagoras 5 Similarity and Congruence 5 Standard constructions 5 Surface Area 5 Trigonometric ratios 5 Volume 4 Alternate and corresponding angles 4 Area of a circle 4 Areas of triangles, trapezia and parallelograms 4 Bearings 4 Circle terminology 4 Circumference of a circle 5 Congruent triangles 6 Composite shapes 7 Circle terminology 8 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circumference of a circle 9 Congruent triangles 9 Circle terminology 9 Circle termi		Grade	Title
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4 Polygons 4 Solve geometrical problems 4 Vector arithmetic		4	Perimeter of 2D shapes
4 Solve geometrical problems 4 Vector arithmetic		4	Plans and elevations
4 Vector arithmetic		4	Polygons
		4	Solve geometrical problems
4 Volume of prisms		4	Vector arithmetic
		4	Volume of prisms

Statistics

I can do this	Grade	Title
	6	Boxplots
	6	Cumulative frequency
	6	Histograms with unequal class widths
	6	Quartiles and Interquartile Range
	5	Histograms with equal class widths
	5	Scatter graphs
	4	Comparing data using graphs
	4	Comparing Distributions
	4	Correlation
	4	Population
	4	Sampling
	4	Scatter Diagrams
	4	Time series

Probability

I can do this	Grade	Title
	7	Conditional Probability
	5	Probability of dependent events
	5	Probability of independent events
	4	Mutually exclusive sum
	4	Relative Frequency
	4	Tables and Grids
	4	Theoretical Probability
	4	Unbiased Samples
	4	Venn Diagrams

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Number

1.000		
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do this	Grade	Title
uns	0	Curdo
	8	Surds
	7	Index Laws (negative and
	7	fractional)
	7	Product rule
	7	Recurring Decimals
	7	Upper and lower bounds
	6	Finance 1
	6	Powers and Roots
	6	Product of prime factors
	6	Using Pi
	5	Calculating with fractions
	5	Error intervals
	5	Index Laws
	5	Limits of accuracy
	4	Adding and subtracting fractions
	4	Checking calculations
	4	Compound measures
	4	Converting metric units
	4	Estimation
	4	Fractions and percentages
	4	Fractions and ratio problems
	4	Interpret calculator displays
	4	LCM and HCF
	4	Multiples and factors
	4	Multiplying fractions
	4	Operations
	4	Order of operations
	4	Powers
	4	Rounding Standard Form
	4	Standard Form
	4	Terminating decimals and
		fractions

Useful Video Links For Revision

https://www.youtube.com/@TheGCSEMathsTutor

https://www.youtube.com/@mathsgenie7808

Ratio, Proportion and rates of change

I can do this	Grade	Title
	9	Gradients and the rate of change
	7	General iterative processes
	6	Direct and inverse proportion
	5	Compound Units
	5	Gradient & the rate of change
	5	Growth and decay
	5	Interpret Proportion
	5	Percentage change
	5	Problems with compound units
	5	Scale factors and similarity
	5	Simple Interest and Financial Maths
	5	Solve Proportion Problems
	4	Compare Fractions, Decimals and Percentages
	4	Compare lengths, area, volume
	4	Comparing quantities as a ratio
	4	Division of a quantity as a ratio
	4	Express one quantity as a % of another
	4	Percentage change
	4	Problems involving ratio
	4	Proportion and ratio
	4	Ratio and fractions
	4	Ratio Sharing

Exam details:

Edexcel GCSE Mathematics A - Higher

Exam Dates:

Paper 1 (non-calc) – Friday 19th May 2023

Paper 2 (calc) – Tuesday 6th June 2023

Paper 3 (calc) – Wednesday 14th June 2023

All papers 90 mins each