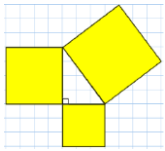
#CTKCARES

Mathematics

Christ the King Catholic Voluntary Academy

A Level Mathematics
A Level Further Mathematics

Algebraic Fractions
Gradients and Rates of Change
Pre-Calculus and Area under a Graph
Solving Quadratics
Quadratic Graphs
Properties of Polygons
Volume



3x GCSE EXAMS OCR

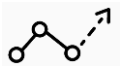
Exam skills, revision
Booster sessions

Circle Theorems
Growth and Decay
Sine and Cosine Rule
Transforming Functions
Sketching Graphs
Trigonometry
Vectors

MOCK EXAMS 4

2D Representations of 3D Shapes
Basic Probability
Constructions and Loci
Scatter Graphs
Statistical Measures
Congruency and Similarity
Trigonometry
Indices

Further Equations and their Graphs
Linear and Quadratic Equations
Probability
Formulae and Identities
2D Representations of 3D Shapes
Further Circumference and Area
Standard Form



Equations of a Circle
Inequalities
Simultaneous Equations
Volume
Graphs and their Equations
Further Perimeter and Area
Direct and Indirect Proportion
Statistical Measures

MOCK EXAM 2

YEAR 11

MOCK EXAMS 3

Numerical Methods
Sketching Graphs
Vectors
Simultaneous Equations
Direct and Indirect Proportion
Algebra and Graphs
Probability

Quadratics and Formulae
Calculating with Percentages
Indices
Properties of Polygons
Transformations
Real Life Graphs
Rounding

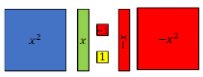
Basic Algebra
Equations
Real Life Graphs
Basic Percentages
Factors and Multiples
Rounding
Inequalities
Basic Probability

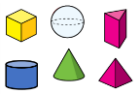
Perimeter and Area
Circumference and Area
Basic Number
Basic Fractions
Basic Decimals
Collecting and Representing Data

Measures
Congruency and Similarity
Surds
Standard Form
Ratio and Proportion
Constructions and Loci

MOCK EXAM 1

YEAR 10





3D Shapes
Constructions and Congruency

Numbers
Using percentages
Maths and Money

Coordinates and Linear Graphs
Sequences
Angles
Scaled Drawings and Bearings
Pythagoras and Trigonometry
Basic Algebra

Higher
Both
Foundation

Enlargement and Similarity
Ratio and Proportion
Rates

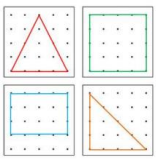
Deduction
Rotation and translation
Pythagoras' theorem

Straight line graphs
Forming and solving equations
Testing conjectures

The data handling cycle
Measures of location

Fractions and percentages
Standard form
Number sense

YEAR 9



Brackets
Equations
Inequalities
Sequences
Indices

Angles in parallel lines and polygons
Area
Symmetry

Developing number sense
Sets and probability
Prime numbers and proof

Ratio and scale
Multiplicative change
× and ÷ fractions

$2(x+4)$ $2x+8$

YEAR 8

Constructing and measuring
Developing geometric reasoning

The Cartesian plane
Representing data
Tables and probability

Addition and subtraction
Multiplication and division
Fractions and percentages of amounts

Sequences
Algebraic notation
Equality and equivalence

YEAR 7

4 operations with directed number
Addition and subtraction of fractions

Place value and ordering
FDP equivalents