



Christ the King

Catholic Voluntary Academy

A LEVELS
OR
COLLEGE



Mathematics



The home straight:
Revision and practice
of exam style
questions in
preparation for your
final exam in Maths

March Mocks
Teachers should
now have a really
good idea of where
pupils are at. Mocks
give awareness of
which topics need
revising in the
revision process

December Mock Pupils
sit their first mock
exam of year 11. This
enables class teachers
to highlight topics of
concern or gaps in
knowledge
subsequently feeding
into a class scheme of
work

Year 11 Plan Established: Individualised
medium term plan produced on the
basis of class ability, reflection of year
10 success and key topics arising from
end of year 10 mocks

FINAL
EXAMS

EXAM
REVISION



YEAR
11

Foundation
or Higher
GCSE route
decided

End of Year Exam

Collecting, Presenting,
and Analysing Data
Numerical Accuracy
Constructions and Loci

Equations
Standard Form
Compound Units

Multiples factors
and Primes
Mensuration
Direct and Inverse
Proportion

Fractions and Decimals
Exact Values
2D and 3D
Representations

Equations and Inequalities
Trigonometry

Algebraic
Manipulation
Percentage Change
Bivariate Data

YEAR
10

Trigonometry:
Using trigonometric
functions to find sides
and angles in right
angled triangles

Pythagoras' Theorem:
Calculating missing
sides in right angled
triangles

Transformation
Translations,
Reflections,
Rotations,
Enlargements and
Similarity

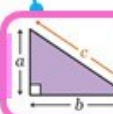
Number: Calculations
with Decimals and
Fractions. Calculations
with Money and
Interest

Size of Shapes:
Calculating volumes
and surface areas of
3D shapes

Algebraic Reasoning:
Forming and Solving
Equations, Rearranging
Formulas, Testing
Conjectures

Graphs:
Linear Graphs,
Non Linear
Graphs, and
exponentials

KS4



Number Sense: Standard Form,
Rounding, Estimating, Order of
Operations, Calculations with
Money and Metric Units

Angles in Polygons
and Parallel Lines

Areas of Trapeziums
and Circles

Line Symmetry and
Reflections

Data Handling:
Questionnaires,
Pictograms, Bar
Charts, Pie Charts,
Line Graphs

Measures of Location:
Mean, Median, Mode, and
Range including averages from
Tables

Graphs

Pupils develop
mathematical
fluency and can
apply skills to a
variety of
situations and
problems.
Pupils will be
challenged in all
lessons and will
show that they
have learned
from mistakes
through a
variety of tasks
including
connect
exercises.

Year 8 Maths is
about
expanding on
prior
knowledge.
Students will
explore more
complex
concepts
within algebra,
geometry and
data. They will
also continue
to develop
their problem-
solving skills,
which will be
essential for
application in
other areas of
their lives.

Pupils should
build on KS2
and make
connections
across
mathematical
ideas to develop
fluency,
mathematical
reasoning and
competence in
solving
increasingly
sophisticated
problems.

Fractions and
Percentages:
Fractions and
Percentages of
amounts. Using
decimal multipliers

Algebra Techniques:
 n^{th} term of linear sequences
and laws of indices

Algebra: Using brackets -
expanding, factorizing,
solving equations and
inequalities

Data: Probability,
Sample Spaces, Two
Way Tables and Venn
Diagrams

Coordinates: Lines
parallel to the x and y
axis, and lines in the form
 $y = kx$

Multiplying and
Dividing Fractions

BUILD ON SKILLS AND KNOWLEDGE

Measuring and
Constructing Lines and
Angles

Geometric Reasoning:
Angles on lines around
points, and in polygons

Mental Methods: For
calculating with integers,
decimals, and fractions

Writing probabilities as
fractions, decimals or
percentages.
Completing venn
diagrams

End of Year Exam

Ratios, Scale, and
Multiplicative
Change

Multiples, Primes,
Factors
End of Year
Review

YEAR
8

Addition and
Subtraction of
Fractions



Sparx Homework Tasks
giving personalized
opportunity to practice
key skills

INTRO TO
PROBABILITY

ADD KNOWLEDGE

Place Value and
Ordering
FDP Equivalence

Sequences
Algebraic Notation
Equality and Equivalence

YEAR
7

Fractions and
Percentages of
Amounts



Solving Two Step
Equations



Class setting
based on Key
Stage 2
Assessment Data
and Transition
Assessment

KS3