

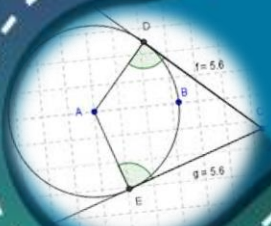
Year 11 GCSE Mathematics (Higher)

GUNNERSBURY
CATHOLIC SCHOOL



Properties of circles

- ✓ Circle theorems
- ✓ Cyclic quadrilaterals
- ✓ Tangents and chords
- ✓ Alternate segment theorem



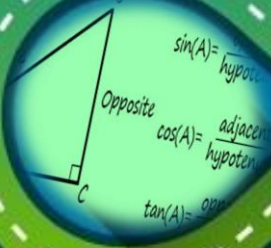
Variation

- ✓ Direct proportion
- ✓ Inverse proportion



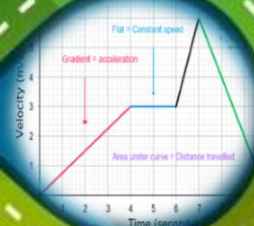
Triangles

- ✓ Further 2D problems
- ✓ Further 3D problems
- ✓ Trigonometric ratios of angles between 0° and 360°
- ✓ Solving any triangle
- ✓ Using sine to find the area of any triangle



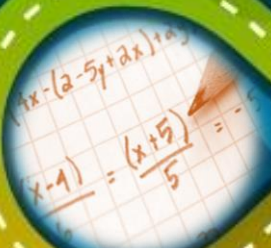
Graphs

- ✓ Distance–time graphs
- ✓ Velocity–time graphs
- ✓ Estimating the area under a curve
- ✓ Rates of change
- ✓ Equation of a circle
- ✓ Other graphs
- ✓ Transformation of the graph $y = f(x)$



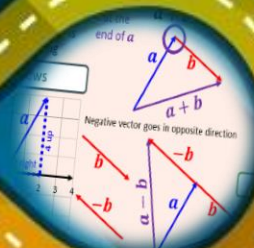
Algebraic fractions and functions

- ✓ Algebraic fractions
- ✓ Changing the subject of a formula
- ✓ Functions
- ✓ Composite functions
- ✓ Iteration



Vector geometry

- ✓ Properties of vectors
- ✓ Vectors in geometry



Practice Paper Set 2

- ✓ Paper 1H
- ✓ Paper 2H
- ✓ Paper 3H

Practice Paper Set 1

- ✓ Paper 1H
- ✓ Paper 2H
- ✓ Paper 3H

KEEP CALM
AND
DO SOME
REVISION

Practice Paper Set 3

- ✓ Paper 1H
- ✓ Paper 2H
- ✓ Paper 3H

Practice Paper Set 4

- ✓ Paper 1H
- ✓ Paper 2H
- ✓ Paper 3H



Practice Paper Set 5

- ✓ Paper 1H
- ✓ Paper 2H
- ✓ Paper 3H

Practice Paper Set 8

- ✓ Paper 1H
- ✓ Paper 2H
- ✓ Paper 3H



Practice Paper Set 6

- ✓ Paper 1H
- ✓ Paper 2H
- ✓ Paper 3H



Practice Paper Set 9

- ✓ Paper 1H
- ✓ Paper 2H
- ✓ Paper 3H

Practice Paper Set 7

- ✓ Paper 1H
- ✓ Paper 2H
- ✓ Paper 3H

Final GCSE Examinations

2020-2021