

Maths P16 Curriculum Map



Lunch time revision
Teachers free periods
Independent study!

FURTHER STUDY

Mixed Exercises, Review chapters, key points, past papers, exam questions.

CAREER

Accountant, Actuary, Engineer, Doctor, Teacher, Finance, ANYTHING!

SKILLS

Problem Solving, algebraic fluency, real world application, data analysis, modelling

INTEREST

Finance, Sport, Probability, growth and decay, FOR THE LOVE OF MATHEMATICS!

TERM 5
Maths:
Exam Preparation
Further Maths:
Exam Preparation

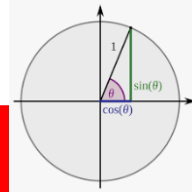
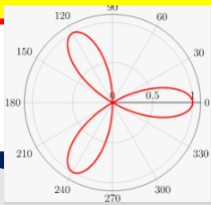
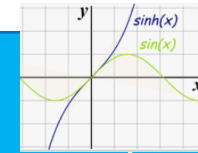
MOCK EXAMS
Y13 Mocks

REVISION & EXAMS

TERM 4
Maths:
Year 2 Stats/Mechs
Further Maths:
Methods in Calculus, Reducible diff eqns, Elastic Collisions

TERM 3
Maths:
Calculus, Vectors
Further Maths:
Conics, Taylor Series, Strings & Springs

TERM 2
Maths:
More Trigonometry, Parametric equations,
Further Maths:
Hyperbolic Functions, Differential Eqns



MOCK EXAMS
Y13 Mocks

Maths Challenge

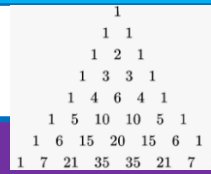
YEAR 13

TERM 1
Maths:
Binomials, Angles, Trigonometry
Further Maths:
Integration, Polar Coordinates

TERM 6
Maths:
Algebra, Functions, Sequences
Further Maths:
Complex Nos, Series, Methods of Calculus

$$S_n = \frac{a(1-r^n)}{(1-r)}$$

TERM 5
Maths:
Probability, Algebraic Methods
Further Maths:
Trigonometry
Further Calculus



TERM 4
Maths:
Data, Correlation, Forces
Further Maths:
Inequalities, t-formulae, numerical methods, Collisions



MOCK EXAMS
Y12 Mocks

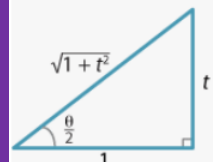
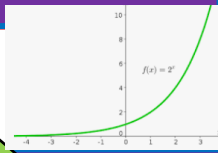
Maths Challenge

$$\frac{d}{dx} f(x)$$

direction
magnitude

TERM 2
Maths:
Algebraic Methods, Calculus
Further Maths:
Matrices, Induction, Vectors

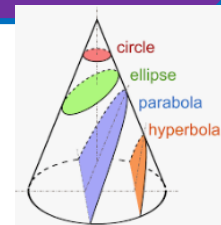
TERM 3
Maths:
Trigonometry, Vectors, Exponentials
Models, Acceleration
Further Maths:
Integration, Vectors, Conics, Momentum, Work-Energy-Power



TERM 1
Maths:
Algebra, Graphs, Coordinate Geometry
Further Maths:
Complex Nos, Series, Polynomials

$$a + bi$$

↑ ↑
Real part Imaginary part



YEAR 12

AO1 - USE & APPLY
Facts, Notation & Procedures

AO2 - REASONING
Deductions, Inferences, Communication & Arguments

AO3 - PROBLEM SOLVING
Processing, making connections and evaluating