

Tudor Grange Academy Solihull

CURRICULUM MAP

Further Maths

KEY
STAGE

5

Y12

AUTUMN

Core Pure 1

Teacher One

Complex numbers
Argand diagram
Proof by induction

Teacher Two

Sums of series
Matrices
Roots of polynomials
Vectors
Volumes of revolutions

SPRING

Further Pure 1

Inequalities
Conic sections
T-formulae
Numerical methods
Vectors

Further Pure 2

Modular arithmetic
Further Loci
Transformations in the complex plane
Group theory
Matrices

SUMMER

Mathematics techniques

Trigonometry
Differentiation
Integration

Core Pure 2

Complex numbers

Y13

Core Pure 2

Teacher One

Hyperbolic functions
Series
Methods in calculus

Teacher Two

Complex numbers
Polar
Volumes of revolution
Differential equations

Further Pure 1

Taylor series
Methods in calculus
Conic sections
Numerical methods
Reducible differential equations

Further Pure 2

Modular arithmetic
Combinatorics
Group theory
Integration

Revision and Exam practice