St John Bosco College

JOURNEY DIAGRAM - A LEVEL FURTHER MATHS - SIXTH FORM

Year 12

Autumn 1

Complex Numbers CP1
Matrices (Unit 6a-b) CP1
Conic sections 1 (Pt1) FP1
Number Theory (Pt 1) FP2

upper and lower triangular matrix

$$\begin{bmatrix} 1 & 0 & 0 \\ 2 & 4 & 0 \\ 3 & 5 & 6 \end{bmatrix} \begin{bmatrix} 5 & 8 & 3 \\ 0 & 1 & 2 \\ 0 & 0 & 7 \end{bmatrix}$$

Autumn 2

Matrices (Unit 6c-d) CP1
Linear Transformations CP1
Argand Diagrams CP1
Conic sections 1 (Pt2) FP1
Inequalities FP1
Groups (Pt 1) FP2

Spring 1

Series CP1
Roots of Polynomials CP1
Proof by Induction CP1
The t-formulae (Pt1) FP1
Matrix Algebra FP2

$$\int_b^a f(x)\,dx$$

Spring 2

Vectors CP1
The t-formulae (Pt2) FP1
Further Vectors (part 1) FP1

Summer 1

Volumes of Revolution CP1
Recurrence relations FP2

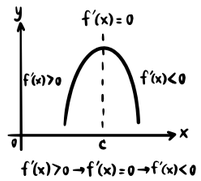
Summer 2

Complex Numbers CP2
Further Vectors (part 2) FP1
Groups (part 2) FP2

Year 13

Summer 2

Summer 1



f′(x)>0 → f′(x)=0 → f′(x)<0

Spring 2

Methods in Calculus (Pt2) FP1
Taylors Series FP1
Further Calculus FP2
Further Calculus (11bc) FP2

Spring 1

Polar Coordinates (Unit 3a) CP2
Polar Coordinates (unit 5) CP2
Volumes of revolution CP2
Methods in Calculus CP2

Autumn 2

Hyperbolic Functions CP2

Differential Equations CP2
Reducible Differential Equations FP1
Numerical Methods FP1

Autumn 1

Further Matrix Algebra FP2
Conic Sections 2 FP1
Further Complex Numbers FP2
Number Theory FP2
Methods in Calculus (Pt1) FP1