Post-16 Immanuel College

KS5 FURTHER MATHS
SUBJECT MAP

Immanuel MATHS You can count on us

Y12

ARGAND DIAGRAMS | MODULUS & ARGUMENT | ALGORITHMS & GRAPHS | ROOTS OF POLYNOMIALS | MATRICES | ROUTE INSPECTION | LINEAR PROGRAMMING

CP1, CP2 & CP3
D1, D2 & D3

CP4, CP5 & CP6
D4, D5 & D8

COMPLEX NUMBERS | SERIES | QUADRATIC & CUBIC EQUATIONS | GRAPHS & NETWORKS | QUADRATIC & CUBIC EQUATIONS | VOLUMES OF REVOLUTION | CRITICAL PATH ANALYSIS

THE POISSON DISTRIBUTION | INTERSECTIONS | CONTINGENCY TABLES | HYPOTHESIS TESTING | PROBLEM SOLVING | MATHEMATICAL INDUCTION | PROOF BY INDUCTION

CP9
FS4 & FS6

CP7 & CP8
FS1 & FS2

3D | LINES & ANGLES | GOODNESS OF FIT | VECTORS | 2D | THE POISSON DISTRIBUTION | DISCRETE RANDOM VARIABLES | LINEAR TRANSFORMATIONS

TRIG & DIFFERENTIATION | NETWORKS | SEC, COT & COSEC | ANGLES

REVISION & EXAMS

A2 MATHS
D2, D3, D4 & D5

THE PLANARITY ALGORITHM | FLOYD'S ALGORITM | THE TRAVELING SALESMAN PROBLEM | GRAPHS

Y13

AREA | CURVES & GRAPHS | HYPERBOLIC FUNCTIONS | VOLUMES OF REVOLUTION | HYPOTHESIS TESTING | GEOMETRIC & NEGATIVE BINOMIAL DISTRIBUTION | SERIES

PURE,
FS5, FS6 & FS7

PURE,
D7, FS3, & FS4

PROBABILITY GENERATING FUNCTIONS | GOODNESS OF FIT | POLAR COORDINATES | TRIGONOMETRIC GRAPHS | SIMPLEX ALGORITHM | METHODS IN CALCULUS | COMPLEX NUMBERS

EQUATIONS | CRITICAL PATH ANALYSIS | RESOURCE HISTOGRAM | COORDINATES | TRIG | LINEAR PROGRAMMING | GANT CHARTS

PURE,
D8, D8.7 & D8.8

CATCH UP & REVISION

METHODS IN DIFFERENTIAL | MODELLING WITH DIFFERENTIAL EQUATIONS | SCHEDULING DIAGRAMS | QUALITY OF TESTS | GRAPHS | CALCULUS | ALGORITHMS

EXAM