Mathematics Faculty: Higher and A-level Maths Learning Journey

YEAR 13

- Go to university to enhance your studies and get a degree
- Start a degree level apprenticeship
- Take a gap year, travel the world and embrace new cultures
- Consider summer internship and voluntary work to enhance your learning
- Conditional probability and the normal distribution
- Regression and Hypothesis testing
- Forces and Kinematics
- Moments and Projectiles
- Vectors and Numerical methods
- Radians and Trigonometry identities and modelling
- Calculus
- Functions Graphs and sequences
- Hypothesis testing

YEAR 12

- Core Maths Or A-level Further Maths
- Inequalities and alegebraic methods
- Expressions , equations and graphs
- Vectors and Logs
- Circles
- Trig ratios and identities
- Calculus
- 12-8 Forces Motion and Variable Acceleration
- Modelling and constant acceleration
- Representing data and correlation
- Data collection location and spread
- Probability and Statistical distributions

YEAR 11

- Revision
- Vectors and geometric proof
- Proportion and graphs
- Circle theorems
- More algebra
- Further statistics
- Equations and graphs
- More trigonometry
- Similarity and congruence
- Multiplicative reasoning

YEAR 10

- Pythagoras
- Algebraic Manipulation
- Similarity
- Construction and Congruence
- Ratio and proportion
- Straight Line Graphs
- Algebra
- Fraction, ratio and proportion
- Number
- Interpreting and representing data
- Graphs
- Angles and trigonometry
- Transformations and construction
- Area and volume
- Probability
- Equations and inequalities
- Ratio and Proportion

YEAR 9

- Maths and Money
- Rates
- Equations and Inequalities
- Percentages
- Interpret Data
- Properties of Number
- Standard Form
- Fractions
- Area and Volume
- Graphs and Charts
- Sequences
- Circles
- Probability
- Angles
- Standard From

Key strands

- Number
- Algebra
- Geometry and measure
- Ratio and proportion
- Statistics
- Probability

YEAR 8

- Speed Distance Time
- Ratio
- Algebraic Manipulation
- Multiply and Divide Fractions
- Equations and Inequalities
- Properties of Number
- Proportion and Scale
- Coordinates and Graphs
- Symmetry and Reflection
- Area Volume and Density
- Percentages
- Angles in Polygons
- Add and Subtract Fractions

YEAR 7

- Rounding and Estimation
- Four Operations
- Expressions and Equations
- Sequences
- Perimeter and Area
- Fractions Decimals Percentages
- Graphing Data
- Statistics
- Place Value and Ordering
- Algebraic Notation

THE FISHER WAY

love for faith

The Fisher Way aims to educate and inspire with joy, faith and love because we are an inclusive Catholic community.

Successful and Resilient Learners, Confident Individuals and Responsible Citizens