De La Salle School

Maths Learning Journey
Year 9, 10 & 11 Higher

YEAR 11

- Exam preparation
- Circle geometry
- Graphs of trigonometric functions & transformations of graphs
- Further graphs
- Exponential functions; Gradient & area under a graph
- Vectors & geometric proof
- Fractions
- Similarity & congruence
- Direct & inverse proportion
- Further algebra
- Surds
- Circles theorems

YEAR 10

- Scatter graphs
- Pythagoras' Theorem & trigonometry
- Real-life graphs & coordinate geometry
- Quadratic, cubic & reciprocal graphs
- Accuracy & bounds
- Probability 2
- Collecting data & cumulative frequency, box plots & histograms
- Transformations
- Construction, loci & bearings
- Compound Measures
- Linear graphs
- Cones, spheres & pyramids
- Solving quadratic & simultaneous equations
- Further trigonometry
- Polygons & angles
- Volume & surface area
- Perimeter, area & circles
- Probability
- Ratio & proportion
- Percentages
- Fractions
- Representing & interpreting data
- Averages & range
- Sequences & drawing straight line graphs
- Formulae
- Inequalities

YEAR 9

- Calculations & rounding
- Indices, roots & order of operations
- Factors multiples & primes
- Standard form
- Algebra: The basics