

The Seven Year curriculum: *Mathematics*



Students undertake their final exams. Students are supported with advice on their next steps and transition work is provided for students wishing to pursue a Mathematical course at University



Exams

The final hurdle!



SUCCESS and the Future!



Revision

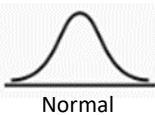


Vectors



Hypothesis Testing

Integration methods



Normal Distribution

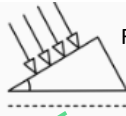
Differentiation methods



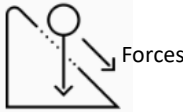
Motion under gravity



Coordinate geometry

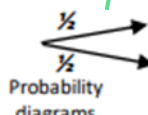


Friction

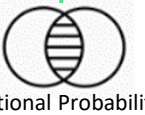


Forces

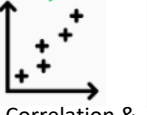
A2 Pure, Statistics & Mechanics



Probability diagrams



Conditional Probability



Correlation & Regression



Iteration



Sign change rule



Parametric equations



Functions & Graphs



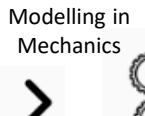
Reciprocal & Inverse Trig



Radians



Sequences & Series



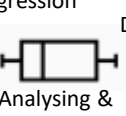
Modelling in Mechanics



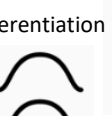
Vectors



Transforming graphs



Analysing & Representing Data



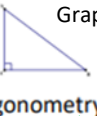
Integration



Circles



Newton's Laws

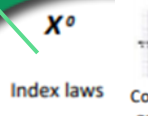


Trigonometry

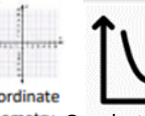
AS Pure, Statistics & Mechanics



Revision & Exams



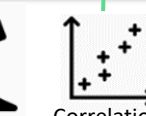
Index laws



Quadratic graphs



Acceleration



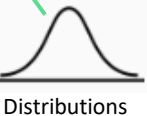
Correlation & Regression



Probability - Venn diagrams



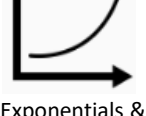
Algebraic Proof



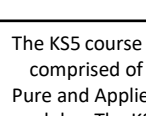
Distributions



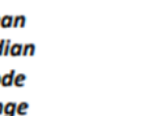
Hypothesis Testing



Exponentials & Logarithms



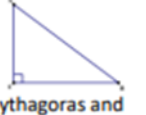
Statistics graphs and charts



Averages



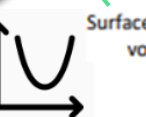
Compound measures



Pythagoras and trigonometry



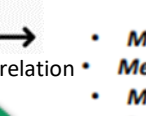
Surface area and volume



Lines, gradients and curves



Correlation



Averages



Pie charts

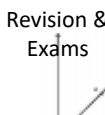


Bar charts

Students follow the Maths Mastery curriculum, which enables them to reflect and build on the core areas of Mathematics each year. Students recap prior knowledge and extend their understanding each year, through retrieval practice, advancing fluency tasks and enriching problem solving activities



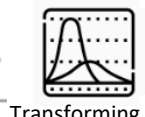
KS5



Vectors



Circles



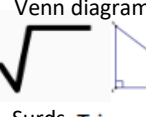
Transforming graphs



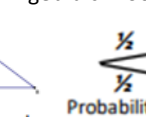
Functions



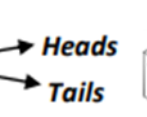
Quadratics



Transformations



Surds



Trigonometry



Probability diagrams



Probability



Statistics graphs and charts



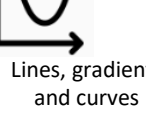
Averages



Compound measures



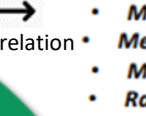
Pythagoras and trigonometry



Surface area and volume



Lines, gradients and curves



Correlation



Averages



Pie charts



Bar charts

Y11 Higher learning plan



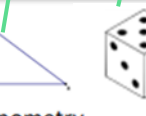
Percentages



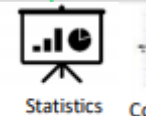
Transformations



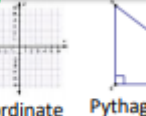
Congruency and similarity



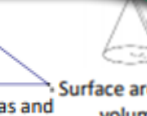
Trigonometry



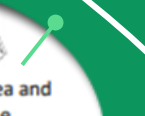
Probability



Statistics graphs and charts



Coordinate geometry



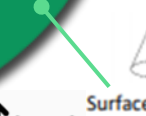
Pythagoras and trigonometry



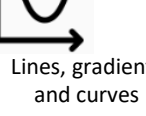
Surface area and volume



Circles



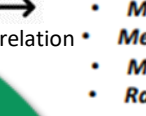
Pythagoras and trigonometry



Surface area and volume



Lines, gradients and curves



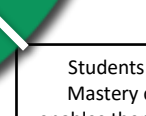
Correlation



Averages



Pie charts



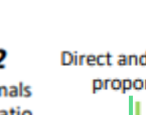
Bar charts



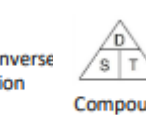
Percentages



Transformations



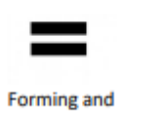
Congruency and similarity



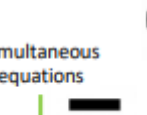
Trigonometry



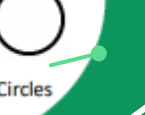
Probability



Statistics graphs and charts



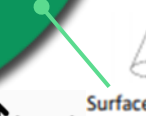
Coordinate geometry



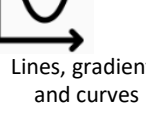
Pythagoras and trigonometry



Circles



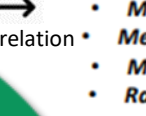
Pythagoras and trigonometry



Surface area and volume



Lines, gradients and curves



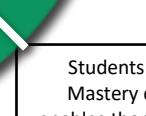
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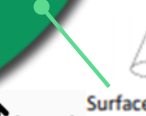
Statistics graphs and charts



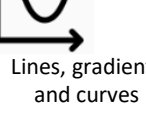
Coordinate geometry



Pythagoras and trigonometry



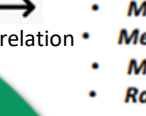
Circles



Pythagoras and trigonometry



Surface area and volume



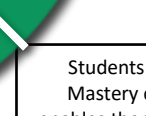
Lines, gradients and curves



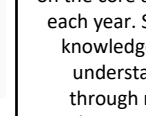
Correlation



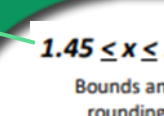
Averages



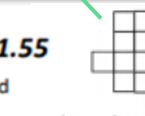
Pie charts



Bar charts



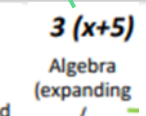
Percentages



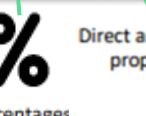
Transformations



Congruency and similarity



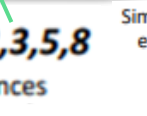
Trigonometry



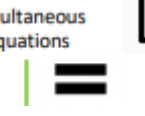
Probability



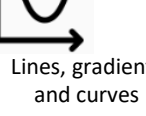
Statistics graphs and charts



Coordinate geometry



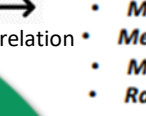
Pythagoras and trigonometry



Circles



Pythagoras and trigonometry



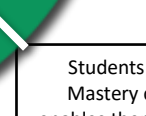
Surface area and volume



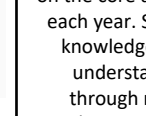
Lines, gradients and curves



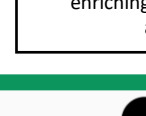
Correlation



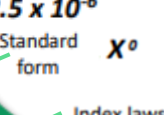
Averages



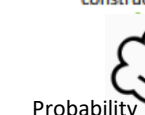
Pie charts



Bar charts



Percentages



Transformations



Congruency and similarity



Trigonometry



Probability



Statistics graphs and charts



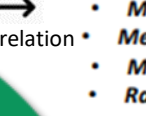
Coordinate geometry



Pythagoras and trigonometry



Circles



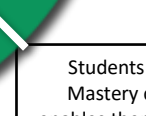
Pythagoras and trigonometry



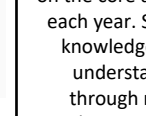
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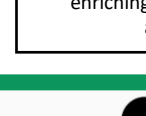
Lines, gradients and curves



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