

Winchmore Maths Curriculum Maps



Key Stage 5 AS Level Further Maths

| Year 12 | Half term 1 | Half term 2 | Half term 3 | Half term 4 | Half term 5 | Half term 6 |
|--|---|---|--|--|---|--|
| EDEXCEL Pure Maths: 8MA0-01 (AS) | Pure Maths <ul style="list-style-type: none"> ▪ Algebraic Expressions ▪ Quadratics ▪ Equations and Inequalities ▪ Graphs and Transformations ▪ Straight Line Graphs | Pure Maths <ul style="list-style-type: none"> ▪ Circles ▪ Algebraic Methods ▪ Binomial Expansion ▪ Trigonometric Ratios ▪ Trigonometric Identities and Equations | Pure Maths <ul style="list-style-type: none"> ▪ Vectors 1 ▪ Differentiation ▪ Integration ▪ Exponentials and logs ▪ Algebraic Methods | Pure Maths <ul style="list-style-type: none"> ▪ Functions and Graphs ▪ Sequences and Series ▪ Binomial Expansion ▪ Radians ▪ Trigonometric functions | Pure Maths <ul style="list-style-type: none"> ▪ Trigonometry and modelling ▪ Parametric Equations ▪ Differentiation ▪ Numerical Methods ▪ Integration | Pure Maths <ul style="list-style-type: none"> ▪ Vectors Mock Exams |
| Year 12 | Half term 1 | Half term 2 | Half term 3 | Half term 4 | Half term 5 | Half term 6 |
| EDEXCEL Statistics and Mechanics : 8MA0-02 (AS) | Applied (Statistics) <ul style="list-style-type: none"> ▪ Data Collection ▪ Measure of Location and Spread ▪ Representation of Data ▪ Correlation ▪ Probability | Applied (Statistics) <ul style="list-style-type: none"> ▪ Statistical Distributions ▪ Hypothesis Testing Applied (Mechanics) <ul style="list-style-type: none"> ▪ Modelling in mechanics ▪ Constant acceleration | Applied (Mechanics) <ul style="list-style-type: none"> ▪ Forces and Motion ▪ Variable acceleration Applied (Statistics) <ul style="list-style-type: none"> ▪ Regression and Correlation ▪ Conditional Probability | Applied (Statistics) <ul style="list-style-type: none"> ▪ Normal Distribution Applied (Mechanics) <ul style="list-style-type: none"> ▪ Moments ▪ Forces and Friction | Applied (Mechanics) <ul style="list-style-type: none"> ▪ Projectiles ▪ Application of Forces ▪ Further Kinematics Exam Revision | Mock Exams Start Year 13 Syllabus |