BEAL SIXTH FORM

A LEVEL MATHEMATICS: Edexcel
Course Overview for Years 12 -13

TERM	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
YEAR 12	**Pure 1:** 1. Algebraic Expressions 2. Quadratics 3. Equations and Inequalities 4. Graphs and Transformations 7. Algebraic Methods **Statistics 1:** 1. Data collection 2. Measures of Location and Spread 3. Representations of Data 4. Correlation	**Pure 1:** 5. Straight Line Graphs 6. Circles 8. The Binomial Expansion 9. Trigonometric Ratios 10. Trigonometric Identities and Equations **Statistics 1:** 5. Probability 6. Statistical Distributions 7. Hypothesis Testing	**Mid Year Exams Revision** **Pure 1:** 12. Differentiation **Pure 2:** 5. Radians **Mechanics 1:** 8. Introduction to Mechanics 9. Constant Acceleration	**Pure 1:** 13. Integration 14. Exponentials and Logarithms 11. Vectors **Mechanics 1:** 10. Forces and Motion 11. Variable Acceleration	**Pure 2:** 12. Vectors 1. Algebraic Methods 2. Functions and Graphs 4. Binomial Expansion **Statistics 2:** 1. Regression, Correlations and Hypothesis Testing 2. Conditional Probability	**Progression Exams Revision** **Pure 2:** 3. Sequences and Series 10. Numerical Methods **Statistics 2:** 3. The Normal Distribution
YEAR 13	**Progression Exams Revision** **Pure 2:** 6. Trigonometric Functions 7. Trigonometry and Modelling 8. Parametric Equations **Mechanics 2:** 5. Forces and Friction 4. Moments	**Pure 2:** 9. Differentiation **Mechanics 2:** 7. Application of Forces 6. Projectiles	**Pure 2:** 11. Integration **Mechanics 2:** 8. Further Kinematics	**Progression Exams Revision**	**Revision**	**Exams**

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Paper 1: Pure Mathematics 1	Pure Maths (100 Marks) Specification Overview Exam materials
Paper 2: Pure Mathematics 2	Pure Maths (100 Marks) Specification Overview Exam materials
Paper 3: Applied Mathematics	Applied Maths (100 Marks) – this paper is further divided into two parts; Statistics (50 marks) and Mechanics (50 marks) Specification Overview Exam materials