Extended Mathematics Edexcel Level 2

Year 11

The Regis School
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Please use this route through to find out what students are learning in the classroom and beyond.
Please contact us or visit our website for more information.

Subject	What are students learning in lessons?	What are students learning in home learning?
Autumn Term 1	Factorising hard expressions through Highest Common Factor. Pascal's Triangle and binomial expansion. Factor theorem. Polynomial division.	Non-compulsory independent learning review of content taught in lessons.
Autumn Term 2	Solving Quadratics: formula, completing the square Factorising and solving 'hidden quadratics'. Quadratic Modelling: quadratic functions in context the discriminant.	Non-compulsory independent learning review of content taught in lessons.
Spring Term 1	Sketching Graphs: cubic, quartic, reciprocal, exponential. Equation of Circles: not centred at the origin, equations of tangents. Transforming Functions: stretches.	Non-compulsory independent learning review of content taught in lessons.
Spring Term 2	Linear Programming. Trapezium Rule. Probability: notation and conditional probability.	Non-compulsory independent learning review of content taught in lessons.
Summer Term 1	Trigonometry: sine and cosine rule, 3D. Vectors: magnitude and position vectors. Revision for external GCSE exams.	Non-compulsory independent learning review of content taught in lessons.
Summer Term 2	Revision and exam preparation for GCSE exams.	Non-compulsory independent learning review of content taught in lessons.

	Assessment	Key contacts
Every mark matters	Students think hard, answer lots of questions and get feedback on their work every lesson. Mocks: Autumn 2. PPE: Spring 2. GCSE Exams: Summer 1 and 2.	Head of Department: Emma.Jewell@ theregisschool.co.uk