Subject Curriculum Map: Year 11 Higher 2023-24

Exam Board: Edexcel – 100% terminal Examination

Curriculum Intent: To build on skills and knowledge taught in Y7-Y10 and develop a greater understanding of topics required for GCSE, A Level & Life.

Curriculum Implementation: Y11 is taught in 5 groups per ½ year and is set according to current skills and ability. It is taught over 7 lessons per fortnight. Homework is used to consolidate learning/extend learning and is set weekly. Teachers use a range of different methods to help students learn; I do, we do, you do, text book, video clips, tarsia, treasure hunt, paired/group work. The vast majority of work is differentiated to support/stretch students. All lessons in Y10 start with Corbett Maths 5 a day activity. Students are encouraged to attend maths club for extra support when needed.

Curriculum Impact: To nurture a feeling within every student of being able to be successful in using maths in everyday situations and start to develop a love for the subject. Y11 curriculum further embeds the core skills required to go on and achieve the best grade possible at GCSE and therefore to open up as many opportunities as possible for future careers and future/lifelong learning. The consolidation offered builds confidence in maths skills needed for adult life.

Year 11	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1
Themes, Concepts & Ideas	SSM/Algebra	SSM/Algebra	Topics revisited based on group weaknesses	Target grade 5,7,9 topics	Exams
Unit	Unit 16 and 17	18 and 19	Revisit topics that students struggled with in Mock exams	Use contents page topics as a guide	
Knowledge and understanding	Circle Theorems: Radii and chords, tangents, Angles in circles, Applying circle Theorems. More Algebra: Rearranging Formulae, Algebraic Fractions, Simplifying algebraic fractions, more algebraic fractions, surds, solving algebraic fraction equations, functions, proof.	Vectors and Geometric proof: Vectors and vector notation, vector arithmetic, more vector arithmetic, parallel vectors and collinear points, solving geometric problems. Proportion and graphs: Direct proportion, more direct proportion, inverse proportion, exponential functions, non linear graphs, translating graphs of functions, reflecting and stretching graphs of functions.	Students spend this half term revisiting topics that they have found challenging based on analysis of mock exams, on a group by group basis	Differentiated lessons based on current WAG and capacity for improvement following topics suggested by target 5,7,9 work books	
Subject specific skills	Build on knowledge of angles. E.g. angles in triangles, etc. To label all parts of a circle. Factorisation, solving equations, simplifying fractions, common denominators.	Vectors and translations. Investigation and advanced problem solving. Plotting straight line graphs, recognising graphs, substitution, solving equations.	Build on prior knowledge and improve understanding of topics that were not well answered in the mock exams	Students work on a variety of topics with teacher support, this type of learning encourages independence and helps students prepare for A level, further study or the world of work.	
1.SMSC	Develop the ability to reflect Draw conclusions based on Evidence Develop the ability to reflect Show persistence Appreciate the Heights of Human Achievement	Develop the ability to reflect Draw conclusions based on Evidence Develop the ability to reflect Show persistence Appreciate the Heights of Human Achievement	Develop the ability to reflect Draw conclusions based on Evidence Develop the ability to reflect Show persistence Appreciate the Heights of Human Achievement	Develop the ability to reflect Develop the ability to reflect Show persistence	Develop the ability to reflect Show persistence Appreciate the Heights of Human Achievement
2.Skills For life	Independence Creativity Problem Solving Numeracy Independence Teamwork	Independence Creativity Problem Solving Numeracy Independence Teamwork	Independence Problem Solving Numeracy Teamwork	Independence Problem Solving Numeracy Teamwork	Independence Problem Solving Numeracy Teamwork
3.FBV	Mutual Respect	Mutual Respect	Mutual Respect Use/Misuse of Statistics	Mutual Respect Use/Misuse of Statistics	
Stretch & challenge	Extend activity	Extend activity	Extend activity	Extend activity	
Key assessment focus, suggested assessments	Check Up End of Unit Test ½ termly test	Check Up End of Unit Test ½ termly test	½ termly test	½ termly test	
Special events					

Visits/extra curricular					
Homework/Independent Learning	Weekly to consolidate learning 4 Weekly assessed homework to consolidate knowledge, understanding and skills SAM Learning Corbett Maths	Weekly to consolidate learning 4 Weekly assessed homework to consolidate knowledge, understanding and skills SAM Learning Corbett Maths	Weekly to consolidate learning 4 Weekly assessed homework to consolidate knowledge, understanding and skills SAM Learning Corbett Maths	Weekly to consolidate learning 4 Weekly assessed homework to consolidate knowledge, understanding and skills SAM Learning Corbett Maths	Weekly to consolidate learning 4 Weekly assessed homework to consolidate knowledge, understanding and skills SAM Learning Corbett Maths