Bishop Stopford's School

Curriculum Map Year 11

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Unit of work	**14. Further Statistics 15. Equations and graphs**	**16. Circle Theorems 17. Further Algebra**	**18. Vectors and Geometric Proofs 19. Proportion and graph Bespoke teaching based on gaps identified from Trial Exam 1**	**Bespoke teaching based on gaps identified from Trial Exam 1/2. Consolidation and extension of knowledge of the different strands of Maths (Number, Algebra, Geometry and Measures and Statistics)**	**Bespoke teaching based on gaps identified from Trial Exam 1/2. Consolidation and extension of knowledge of the different strands of Maths (Number, Algebra, Geometry and Measures and Statistics). In class exam practice. Exams begin**	**Exams**
Core Skills	Work out median and range Division calculations Write the modal class Estimate the mean mass Sketching if simple quadratic graphs Understand the minimum and maximum points Expanding and factorising quadratic expressions Know where the graphs meet the x- axis	Recall the words, centre, radius, diameter, circumference, arc, sector and segment Recall that the line drawn from the centre of a circle to the midpoint of a chord is at right angles to the chord Recall the correct maths language for parts of a circle Recall the relationship of the gradient between two Find the equation of the straight line, given a gradient and a coordinate Simplify surds Use negative numbers with all four operations Add and multiply numeric fractions Recall and use the hierarchy of operations Manipulate algebraic expressions Recall and use the quadratic formula	Use vectors to describe translations Recall and use Pythagoras' Theorem Recall the properties of triangles and quadrilaterals Express the relationship between two quantities as a ratio Simplify surds Draw linear and quadratic graphs. Recognise linear and quadratic graphs. Calculate the gradient of a linear function between two points. Recall transformations of trigonometric functions. Write statements of direct proportion and forming an equation to find values. Recognise a graph showing direct proportion. Recall and use the formula speed = distance ÷ time.	Short term plans will be developed for Spring term 2 based on the DTT model (Diagnosis - from assessments to identify gaps in core skills and knowledge, Therapy - areas where students are less secure will be taught to students and then Testing will ensure that the therapy/teaching has been effective. The short term plans will be shared with students by their relevant class teacher	Short term plans will be developed for Spring term 2 based on the DTT model (Diagnosis - from assessments to identify gaps in core skills and knowledge, Therapy - areas where students are less secure will be taught to students and then Testing will ensure that the therapy/teaching has been effective. The short term plans will be shared with students by their relevant class teacher	
Core Knowledge	14.1 Sampling 14.2 Cumulative frequency 14.3 Box plots 14.4 Drawing histograms 14.5 Interpreting histograms 14.6 Comparing and describing populations 15.1 Solving simultaneous equations graphically 15.2 Graphs of quadratic functions 15.3 Solving quadratic equations graphically 15.4 Graphs of cubic functions	16.1 Radii and Chords 16.2 Tangents 16.3 Angles in circles 1 16.4 Angles in circles 2 16.5 Applying circle theorems 17.1 Rearranging formulae 17.2 Algebraic fractions 17.3 Simplifying algebraic fractions 17.4 Further algebraic fractions 17.5 Surds 17.6 Solving algebraic fraction equations 17.7 Functions 17.8 Proof	18.1 Vectors and vector notation 18.2 Vector arithmetic 18.3 More vector arithmetic 18.4 Parallel vectors and collinear points 18.5 Solving geometric problems 19.1 Direct proportion 19.2 More direct proportion 19.3 Inverse proportion 19.4 Exponential functions 19.5 Non-linear graphs 19.6 Translating graphs of functions 19.7 Reflecting and stretching graphs of functions	All aspects of Number, Algebra, Geometry, Measures and Statistics covered in the Edexcel specification that have been identified as areas for development	All aspects of Number, Algebra, Geometry, Measures and Statistics covered in the Edexcel specification that have been identified as areas for development	
Assement & Feedback	Mni Assessment at the end of every unit and end of half term term assessment. A feedback sheet will be afixed to the students books, while their assessments will be kept in a folder in the classroom.	Mini assessment at the end of every unit and end of half term term assessment. A feedback sheet will be afixed to the students books, while their assessments will be kept in a folder in the classroom.	Mini assessment at the end of every unit and end of half term term assessment. A feedback sheet will be afixed to the students books, while their assessments will be kept in a folder in the classroom.	Bespoke mini assessment at the end of every unit and end of half term term assessment. A feedback sheet will be afixed to the students books, while their assessments will be kept in a folder in the classroom.	Bespoke mini assessment at the end of every unit and end of half term term assessment. A feedback sheet will be afixed to the students books, while their assessments will be kept in a folder in the classroom.	
Link to prior learning	Core skills are reviewed as starters and set as homework to reinforce core knowledge	Core skills are reviewed as starters and set as homework to reinforce core knowledge	Core skills are reviewed as starters and set as homework to reinforce core knowledge	Core skills are reviewed as starters and set as homework to reinforce core knowledge	Core skills are reviewed as starters and set as homework to reinforce core knowledge	