Curriculum Map – Mathematics Y11 Foundation

	Autumn Term				
Y11	Topic Title: Probability Big Question: What are probability experiments?	Topic Title: Probability Big Question: How do I apply the additional law of probability? What are combined events and probability diagrams?	Topic Title: Algebra Big Question: How do I generate terms from a given rule? How do I recognise special sequences?	Topic Title: Algebra Big Question: What do graphs of equations and functions look like? How do I interpret graphs in real world context?	**How do I revision effectively for my amended Mock session?**
Links to NC	Apply the property that the probabilities of an exhaustive set of mutually exclusive events sum to one Use a probability model to predict the outcomes of future experiments; understand that empirical unbiased samples tend towards theoretical probability distributions, with increasing sample size Calculate the probability of independent and dependent combined events, including using tree diagrams and other representations, and know the underlying assumptions		Use a given rule to generate terms. Recognise and use sequences of triangular, square and cube numbers, simple arithmetic progressions	Calculate and interpret gradients and intercepts of graphs of such linear equations numerically, graphically and algebraically	
Assessments	CFU topic specific from year 10 QLA and amended past papers				

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	Spring Term					
Y11	Topic Title: Geometry Big Question: How do I translate a given shape?	Topic Title: Geometry Big Question: How do I interpret graphs in real world context?	**How do I use my gap analysis from mock session 2 to ensure progress?** **Can I recall and use knowledge of the prescribed content?** **Can I select and apply mathematical methods in a range of contexts?** **Can I interpret and analyse problems and generate strategies to solve them?**	Topic Title: Geometry Big Question: What is congruence? How can I use similarity to find missing lengths?	Topic Title: Algebra Big Question: What is the application of vectors to plane geometry?	**How do I revise effectively for my final exams?**
Links to NC	Identify properties of, and describe the results of, translations, rotations and reflections applied to given figures identify and construct congruent triangles, and construct similar shapes by enlargement, with and without coordinate grids.			Apply angle facts of congruence and similarity to shapes.	Apply addition and subtraction of vectors, multiplication of vectors by a scalar, and diagrammatic and column representations of vectors.	
Assessments	CFU topic specific from year 10 QLA and amended past papers					

	Summer Term
Y11	**QLA from in class revision papers and materials. Reteach and feedback leading to final Exams.**