

## Year 9 Mathematics Curriculum Map

	Autumn Term	Spring Term	Summer Term
Unit Length	3: Lines, Angles and Shapes 16: Measures 12: Area and Perimeter 14: Volume and Surface Area 5: Constructions and Loci 7: Transformations 2: Sequences, Functions and Graphs	8: Simplifying and Brackets 11: Forming and Solving Equations 17: Inequalities 1: Integers, Roots and Powers 6: Calculations and Accuracy 10: Pythagoras' Theorem and Trigonometry	15: Fractions Decimals Percentages 9: Ratio and Proportion 13: Probability 4: Data - Interpreting Results 18: Statistical Enquiry
Links to the National curriculum/Assessment Objectives	National curriculum coverage is mapped on our teacher planning documents, and assessment objectives for the AQA 8300 Mathematics Specification are met. Each member of the department has a copy of the specification. Example materials and questions are available for their use.		
Description of the topic and key learning outcomes (key knowledge and understanding)	The mathematics curriculum spirals every year, so that each time a topic is met, staff assess and build upon prior knowledge to extend learning and deepen understanding. We have broad expectations for each year group, minimum standards to attain target grades are support resources in place to enable access to the curriculum.		
Related Concepts (that are revisited)	DIN tasks have been developed for retrieval practice, and interleaving of topics means that previously acquired skills are transferred into the new content.		
Skills being taught	Estimating and calculating in a variety of contexts		
Milestone assessments	20 minute Topic assessments are completed at the end of each topic and feedback provided. These are based on past GCSE papers to give an accurate indication of working at grades.		
Wider reading	AC1 – Autumn 2020	AC2 – Spring 2021	AC1 – Summer 2021
Literacy programme	Oracy is developed through questioning and responses, as well as modelling and high expectations of verbal contributions in class Keywords are highlighted on Medium term plans. Tier 2 and tier 3 vocabulary is developed through DIN activities, Cloze tasks and Frayer models in both class activities and Knowledge organisers		
Homework	Home learning is set through <a href="http://www.hegartymaths.com">www.hegartymaths.com</a> Staff set work to match the pace and expectations of the class. We can also respond effectively to individual questions and concerns.		
Oak Academy Links to support Remote Learning	n/a	n/a	n/a