Department: Maths	Year 10

Plan Of Learning For The Year (Unit/Topic/Project Context)	
Half Term 1 • Congruence, similarity • Transformations • Pythagoras and Trigonometry **Half Term 2** • Solving linear equations and inequalities • (Higher tier only – solving quadratic equations by factorising) • Simultaneous equations (higher also non-linear) **Half Term 3** • Angles relationships and bearings • Circles – area, circumference, sectors, arcs • Vectors	**Half Term 4** • Ratios and fractions • Percentages • Probability **Half Term 5** • Collecting, representing and interpreting data • Non-calculator methods (surds, bounds, estimation) **Half Term 6** • Prime factorisation and sequences • Indices, roots and standard form

Feedback, Retrieval & Assessment	Super curriculum opportunities / extra-curricular activities	Cultural Capital, SMSC, Careers and Futures
• Self and peer assessment • Regular exit tickets (a check of understanding of key skills, marked by teacher) • Termly teacher marked assessments • Live marking by teacher in lesson	• UKMT (UK Mathematics Trust) Intermediate Challenge– all students have the opportunity to partake in this nationwide problem solving competition) • Dr Frost Maths for extra practice	• Links to famous mathematicians made throughout. • Links made to use of mathematics outside the classroom • Problem Solving – a transferrable skill for many careers.

Common misconceptions	Connecting New Knowledge	Challenge for all
• Exit tickets designed to address predicted misconceptions. • Whiteboard questions used in lessons have misconceptions embedded throughout • Some use of diagnostic questions	• Curriculum Maps to show sequencing of topics • Regular retrieval starters to promote revisiting of skills taught in the past • Building upon topics taught in KS3	• Problem Solving opportunities in all lessons • Regular use of exam style questions • Questioning used to challenge mathematical thinking • High quality communication of mathematical reasoning is embedded into all lessons