

Plan Of Learning For The Year (Unit/Topic/Project Context)

Half Term 1

- Ratio and Scale
- Multiplicative Change (Proportion)
- Multiplying and Dividing Fractions

Half Term 2

- Representing Data
- Working in the Cartesian Plane (Graphs)
- Sets and Probability
- Sequences

Half Term 3

- Brackets and Equations
- Indices

Half Term 4

- Fractions and Percentages
- Standard Index Form

Half Term 5

- Number Sense (Rounding and Conversions)
- Angles in Parallel Lines and Polygons

Half Term 6

- Area of Trapezia and Circles
- Measures of Location and Spread (Mean, Median, Mode, Range)

Feedback, Retrieval & Assessment	Super curriculum opportunities / extra-curricular activities	Cultural Capital, SMSC, Careers and Futures
<ul style="list-style-type: none"> • Self and peer assessment • Weekly exit tickets (a check of understanding of key skills, marked by teacher) • Termly teacher marked assessments • Regular whiteboard work • Live marking by teacher in lesson 	<ul style="list-style-type: none"> • UKMT (UK Mathematics Trust) Junior Challenge— all students have the opportunity to partake in this nationwide problem solving competition) • Use Google Maps to see how a map scale is applied • Dr Frost Maths for extra practice 	<ul style="list-style-type: none"> • Links to famous mathematicians made throughout. • Learning about metric conversions, applicable for many practical jobs. • Problem Solving – a transferrable skill for many careers.

Common misconceptions	Connecting New Knowledge	Challenge for all
<ul style="list-style-type: none"> • Exit tickets designed to address predicted misconceptions. • Whiteboard questions used in lessons have misconceptions embedded throughout 	<ul style="list-style-type: none"> • Curriculum Maps to show sequencing of topics • Knowledge organisers stuck in at the start of each new topic and referred to throughout the unit • Retrieval starters promotes revisiting of skills taught in previous lessons • Many units building on knowledge from Y7. 	<ul style="list-style-type: none"> • Problem Solving opportunities in all lessons • UKMT Challenge (UK Mathematics Challenge) questions used on a regular basis in lesson • Questioning used to challenge mathematical thinking