

Islip Manor High School

Scheme of Learning Overview



This scheme of learning has been designed to ensure that you make progress, develop, and master key knowledge, skills, and ideas through academically rich content that reflects, values, and celebrates the diverse experiences, identities, and contributions of our school community.

Year group: 10 (Foundation)	Term: Summer	Unit duration: 3 weeks	Unit title: Unit 11a - Ratio		
Unit assessment: End of Unit Assessment					
Fertile question: How are ratios and fractions linked?					
Key skills/concepts/knowledge that students should cover			Start RAG	End RAG	Literacy. Key vocabulary/subject terminology that students should cover:
<ul style="list-style-type: none">Understand and express the division of a quantity into a of number parts as a ratioWrite ratios in their simplest formWrite/interpret a ratio to describe a situationShare a quantity in a given ratio including three-part ratiosSolve a ratio problem in contextUse a ratio to find one quantity when the other is knownUse a ratio to compare a scale model to a real-life objectUse a ratio to convert between measures and currenciesSolve problems involving mixing, e.g. paint colours, cement and drawn conclusionsCompare ratiosWrite ratios in form $1 : m$ or $m : 1$Write a ratio as a fractionWrite lengths, areas and volumes of two shapes as ratios in simplest formExpress a multiplicative relationship between two quantities as a ratio or a fraction					Ratio Scale Interpret Multiplicative
Stretch. Key skills/concepts/knowledge that students should cover					
Apply knowledge and skills to exam-style questions.					
			Suggested materials teachers could/should use: Mathsbox, corbettmaths, mathsgenie, DrAustinMaths Mini whiteboards		
			Key home learning tasks students should complete: SPARX Maths		