

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: Autumn	Unit duration: 3 weeks	Unit title: Unit 7b - The Averages		
Unit assessment: End of Unit Assessment					
Fertile question: Can everyone be above average?					
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">• Calculate the mean, mode, median and range for discrete data• Can interpret and find a range of averages as follows:<ul style="list-style-type: none">◦ median, mean and range from a (discrete) frequency table◦ range, modal class, interval containing the median, and estimate of the mean from a grouped data frequency table◦ mode and range from a bar chart◦ median, mode and range from stem and leaf diagrams◦ mean from a bar chart• Understand that the expression 'estimate' will be used where appropriate, when finding the mean of grouped data using mid-interval values• Compare the mean, median, mode and range (as appropriate) of two distributions using bar charts, dual bar charts, pictograms and back-to-back stem and leaf• Recognise the advantages and disadvantages between measures of average					Average Mean Mode Median Range Modal Class Frequency Table Grouped Data Estimate Dual Bar Chart Back-to-back Stem and Leaf Diagram Advantage Disadvantage Suggested materials teachers could/should use: Mathsbox, corbettmaths, mathsgenie, DrAustinMaths Mini whiteboards Key home learning tasks students should complete: SPARX Maths
Stretch. Key skills/concepts/knowledge that students should cover					
Apply knowledge and skills to exam-style questions.					