Maths - Year 8 - Term 3 - Representing Data / Number Sense

Year group 8	Subject: Representing Data / Number Sense
Prior learning- linked to National curriculum	Students will have already covered representing data in some forms of chart both in Year 7 and KS2, but will now extend onto Scatter Graphs and Frequency tables where they will learn to use different mathematical skills learned in previous KS3 coverage. Students will have also looked at some forms of rounding, which will be extended in the number sense unit.
Rationale	The year starts with work focusing on number and algebra, so students should have an understanding and exposure of some building blocks which can be applied when representing data in Maths. The representing data extends on learning from Year 7, whilst Number Sense introduces some real life context in the form of rounding and unit of measure conversion
Vocabulary:	**Keywords** Continuous, discrete, averages, correlation, extrapolate, interpolate, significant figure, estimate, measurement, conversion.
Cultural Capital:	These units can be exampled in real life context moreso than other Mathematical topics, and is therefore easy to draw upon the relevance and importance. Students will be made aware that data and the tables and charts used to represent such are integral to the world around us. The topic often requires the use of mathematical processes learned in other units of work.
Key assessments- name the assessments	Mini Assessment for: - Plotting scatter graphs and drawing lines of best fit - Rounding numbers and converting units of measure - Comparing averages of 2 different sets of data In addition for this a Unit wrapper for this Term.
What do children know/ can do now (EDSM)	All students have previously worked with presenting sets of data and units of measure, but for students to have **mastered** this topic, they will need to be fluent across the three mini assessment topics in their extended form. Any gaps will be addressed as we go on and Further highlighted in the unit wrapper.