Bishop Heber High School

Subject	Year	Term
Mathematics (Foundation)	**11**	**1**

Topic

Algebra; Shape; Number; Data; Ratio & Proportion

Content (Intent)

Prior Learning (Units): Number, Shape and Algebra

- Area, Volume and Angles
- Vectors
- Averages and Range from a Frequency table
- Pie Charts
- Scatter Diagrams
- Probability
- Decimals and Percentages
- Ratio and Proportion

Future Learning (Topic) Algebra; Shape; Number; Data; Ratio & Proportion

What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)
• Addition and Subtraction of Vectors • Multiplying by a scalar • Representing vectors as a diagram or Column Vector • Solving Problems involving scatter diagrams to find correlation, draw lines of best fit and use the line of best fit to estimate. Correlation does not mean causation • Problem solving using prior knowledge on Area, Volume, Angles, Averages, Decimals, Percentages, Ratio, Proportion and Probability	<u>Ongoing Assessment</u> • Q&A in plenary • Mini-whiteboards • Self and Peer assessment • 1 written homework per week
• Review of question level analysis from first mock exam paper, at an individual class level, leading to a bespoke programme of revision within a framework of: • Key Number topics • Key Algebra topics • Key Shape and space topics • Key Data topics • Ratio and Proportion	<u>Formal Assessment</u> Mid-October – 1st Mock examination in Exam Hall

How can parents help at home?

Help to learn 'need-to-know' formulas – in back of orange books
Encourage use of MyMaths (www.mymaths.co.uk)
Practise times tables on a regular basis – Pixl times table App

Helpful further reading/discussion (including Reading and Vocabulary Lists)

Reading
Direct to the following websites (logon ids will be in the front of the orange maths book);
www.mymaths.co.uk
vle.mathswatch.co.uk
www.mathsgenie.co.uk

Vocabulary Lists
Vector
Scalar
Correlation
Causation