Bishop Heber High School

Subject	Year	Term
Mathematics (Foundation)	**10**	**2**

Topic

Data, Algebra and Shape

Content (Intent)

Prior Learning (Topic) Algebra, Shape and Number

- Collecting Data
- Averages
- Display & Interpret data
- Equations
- Real life graphs
- Constructions

Future Learning (Topic) Number, Shape and Algebra

What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)
• Sampling and knowing different types of data • Design a data collection sheet and two way tables • Mean, mode, median and range • Draw pictograms, bar charts, stem and leaf, pie charts, histograms, frequency polygons and scatter diagrams • Know Time series graphs • Understand correlation • Solve two-sided equations and equations including brackets, negatives and fractions • Solve one-sided inequalities	<u>Ongoing Assessment</u> • Q&A in plenary • Mini-whiteboards • Self and Peer assessment • 1 written homework per fortnight • 1 online homework per fortnight • Feedback and Challenge Time (FACT)
• Use the formula for Speed, distance and time, interpret a distance time graph • Plot graphs of real life functions • Use gradient and intercept of real life graphs including rate of change • Read scale drawings • Measure and write bearings • Construct triangles, perpendiculars and bisectors • Construct loci • Draw plans and elevations	<u>Formal Assessment</u> Beginning of March – 45 min exam

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

Bearing
Function
Bisector
Loci
Polygon
Correlation