Bishop Heber High School

Subject	Year	Term
Mathematics (Foundation)	**10**	**1**

Topic

Algebra, Shape and Number

Content (Intent)

Prior Learning (Topic): Fractions, decimals and Factors

- Formula
- Linear and quadratic graphs
- Area and volume
- Angles
- Enlargement
- Calculations and rounding
- Standard form

Future Learning (Topic) Data, Algebra and Shape

What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)
• Substitution, solving equations and changing the subject • Draw linear graphs, know the equation of a straight line • Find gradient and intercept • Draw quadratic curves • Identify roots and turning points graphically • Find area of parallelogram, trapezium and circle • Find the circumference of a circle • Find volumes and surface areas of prisms • Calculate density, mass, volume and pressure	<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)
• Find angles in polygons with reasons • Find interior and exterior angles in polygons • Find angles in parallel lines • Enlargement using scale factor(negative and fractional) and centre of enlargement • Describe reflections, rotations and translations	<u>Formal Assessment</u> Beginning of October – 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

Gradient
Intercept
Pressure
Density
Mass
Root