Bishop Heber High School

Subject	Year	Term
Mathematics (Foundation)	**10**	**3**

Topic

Number, Shape and Algebra

Content (Intent)

Prior Learning (Topic) Data, Algebra and Shape

- Fractions and percentages
- Pythagoras
- Trigonometry
- Simplifying and substituting
- Solving equations
- Simultaneous equations
- Expanding double brackets and factorising

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)
• Add, subtract, multiply, divide fractions • Understand reciprocals • Calculate simple and compound interest • Solve problems using percentage change and reverse percentages, including growth and decay • Pythagoras and trigonometry • Congruence	Ongoing Assessment • Q&A in plenary • Mini-whiteboards • Self and Peer assessment • One written homework per fortnight • One online homework per fortnight • Feedback, Action and Challenge Time (FACT)
• 3 weeks whole school assessment • Simplify and solve equations • Solve simultaneous equations algebraically and graphically • Expand and factorise double brackets	Formal Assessment Formative assessment in June

How can parents help at home?

Help to learn 'need-to-know' formulas
Encourage use of MyMaths (www.mymaths.co.uk) and MathsWatch (vle.mathswatch.co.uk) [or MathsGenie]
Review previously taught topics regularly

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

Reciprocal
Pythagoras
Trigonometry
Decay
Simultaneous
Compound