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 • 1 written homework per fortnight • 1 online homework per fortnight • Feedback 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 Beginning of June – 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

Reciprocal
Pythagoras
Trigonometry
Decay
Simultaneous
Compound