Bishop Heber High School

Subject	Year	Term
Mathematics (Extend)	**9**	**1**

Topic

Probability, Number

Content (Intent)

Prior Learning (Topic): Ratio and proportion; 3D shapes; Probability; Construction

- Probability
- Standard Form and HCF/LCM
- Fractions, Decimals & Percentages
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Future Learning (Topic) Probability, Ratio, Proportion & Algebra

What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)
• Calculating theoretical and experimental probability • Calculating relative frequency • Using tree diagrams to calculate probability • Use of set theory and Venn Diagrams • Use the probability 'AND' and 'OR' rules •	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)
• Using products of prime factors to find lowest common multiple and highest common factor • Writing and calculating in standard form including using a calculator • Rounding decimals leading to error intervals • Calculations with fractions • Calculating % increase and decrease using multipliers including compound interest • Percentage change	

How can parents help at home?

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)

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

Significant Figures	Index
Truncation	Bounds
Interval	Error Interval
Prime	Multiplier
Factor	Compound