**Bishop Heber High School**

| Subject | Year | Term |
|---|---|---|
| **Mathematics (Higher)** | **9** | **3** |

## Topic

# Algebra

### Content (Intent)

**Prior Learning (Topic):** Probability, Ratio, Proportion & Algebra

- Linear Equations & Inequalities
- Sequences
- Formulae

**Future Learning (Topic)** Number, Shape, Data & Algebra

| What Knowledge and Skills will be taught (Implementation) | How will your understanding be assessed & recorded (Impact) |
|---|---|
| • Solving inequalities<br>• Finding and using the $n^{th}$ term of linear, quadratic and geometric sequences<br>• Substitution into formula<br>• Derive a formula<br>• Change the subject of a formula | <u>Ongoing Assessment</u><br>• Q&A in plenary<br>• Mini-whiteboards<br>• Self and Peer assessment<br>• 1 written homework per fortnight<br>• 1 online homework per fortnight<br>• Feedback and Challenge Time (FACT) |
| • Real life application of mathematics | <u>Formal Assessment</u><br>• Beginning of June – End of year exams |

### How can parents help at home?

Help to learn 'need-to-know' formulas – in back of orange books
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**

Geometric Arithmetic