Bishop Heber High School

Subject	Year	Term
Maths	8	1

Topics

Number; Measures; Algebra; Fractions, Decimals & Percentages; Angles; Graphs

Content (Intent)

Prior Learning (Topic) Statistics, Sequences, 3D shapes and Constuctions

- Whole Numbers and Decimals
- Measures, Perimeter & Area
- Expressions and formula
- Fractions, Decimals & Percentages
- Angles and 2D shapes
- Graphs

Future Learning (Topic) Decimal Calculations; Statistics; Transformations; Equations; Powers; Sequences

What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)
• Multiply and divide by powers of ten and use index notation • Round numbers to decimal places and significant figures. • Find prime factors, HCF and LCM • Calculate areas of 2D shapes • Name parts of the circle, find its circumference and area • Recognise and use compound measures • Factorise and simplify expressions • Substitute and change the subject of a formula	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)
• Add, subtract, multiply and divide fractions • Convert between decimals and fractions • Calculate percentage changes • Find missing angles in parallel lines, triangles, quadrilaterals • Find interior and exterior angles in polygons • Recognise simple line graphs and relate gradient and intercept to y=mx+c • Draw and interpret real life graphs	Formal Assessment • October class test • December resetting test

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 id's will be in the front of the orange maths book);
www.mymaths.co.uk
vle.mathswatch.co.uk
www.mathsgenie.co.uk

Vocabulary Lists

Round
Significant
Truncate
Interior
Exterior
compound
corresponding
alternate
gradient
intercept