Bishop Heber High School

Subject	Year	Term
Maths	7	1

Topics

Number, Measures, Fractions, Decimals & Percentages Equivalence; Algebra, Sequences, Function Machines, Algebraic Notation, Equality and Equivalence

Content (Intent)

Prior Learning (Topic) KS2 (Primary National Curriculum)

- Whole Numbers and Decimals
- Measures, Perimeter & Area
- Algebra (Expressions and Formulae)
- Mental calculations
- Fractions, Decimals & Percentages
- Ratio and Proportion
- Angles and 2D Shapes

Future Learning (Topic) **Four Operations, Factors and Multiples, Multiplication and Division by Powers of 10, Perimeter and Area, Directed Numbers, Fractions and Decimals, Problem Solving**

What Knowledge and Skills will be taught (Implementation)

- Ordering and comparing integers and decimals
- Analysing sets of numbers (averages, range)
- Writing numbers in different forms including powers
- Equivalent fractions, decimals & percentages
- Use and interpret pie charts

- Describe sequences
- Find missing terms in sequences
- Finding outputs given and input and vice-versa with knowledge of inverse operations
- Generate function machines from an expression
- Substitution of values
- Graphical representation of functions
- Understand Equality and Equivalence
- Solve equations
- Simplify Algebraic Expressions

How will your understanding be assessed & recorded (Impact)

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)

Formal Assessment

- October resetting test

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)

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

Place value	Median	Division	Function-machine
Integer	Power	Solving	Expressions Input
Decimal	Fraction	Linear	Sequence
Rounding	Decimal	Substitute	Pie Charts
Range	Percentage	Graphs	Operations
		Output	Inverse