

Topics studied:

Unit	
Autumn 1	MALT baseline assessment
	Place Value
	Addition/Subtraction/Multiply/Divide (integers and decimals)
	Directed numbers
	Order of operations
	Types of number
	Factors and multiples
	Rounding and Estimating
	MILESTONE ASSESSMENT
Autumn 2	Introduction to algebra
	Substitution
	Expanding single brackets
	Expanding double brackets
	Factorising linear and quadratic
	MILESTONE ASSESSMENT
	Autumn Review
Spring 1	Properties of shape
	Symmetry (lines and rotation)
	Angles - drawing/measuring/point/line/vo
	Angles - shapes
	Metric units
	Area and perimeter of quadrilaterals
	Area of triangles and trapezia
Spring 2	Fractions- simplify, equivalent, order, mixed, improper
	Calculate with fractions (1)
	Calculate with fractions (2)
	MILESTONE ASSESSMENT
Summer 1	Probability 1
	Probability 2
	MILESTONE ASSESSMENT
	Averages- mean, median and mode
Summer 2	Presenting data
	Presenting data
	Averages from a table
	MILESTONE ASSESSMENT
	End of year Assessment
	Review

Key words that students must know, and be able to spell, by the end of the course:

Convert, linear, area, volume, metric, imperial, index, power, standard form, round, significant, upper bound, lower bound, error interval, proportion, solve, inverse, constant

Velocity, density, mass, linear, quadratic, cubic, reciprocal, gradient, intercept

Interior, exterior, polygon, regular, irregular, similar, scale factor, congruent, proof, corresponding, hypotenuse

Adjacent, opposite, intersection, union, set, probability, independent, mutually exclusive

Quadratic, coefficient, factorise, expand, substitute, difference, frequency, correlation

To help your child this year:

The following workbooks and revision guides are available for you to purchase on Parentpay:

- Key Stage Three Mathematics Higher Level: The Workbook (includes answers) by CGP
- Key Stage Three Mathematics Foundation Level: The Workbook (includes answers) by CGP
- Key Stage Three Mathematics Higher Level: The Study Guide by CGP
- Key Stage Three Mathematics Foundation Level: The Study Guide by CGP MathsWatch Disc

You can also access additional Maths resources via the school website

Subject specific websites to support revision and independent learning:

Mymaths (lessons, homework and games):

www.mymaths.co.uk BBC Bitesize (revision and tests):

www.bbc.co.uk/education/subjects/zqhs34j Subtangent (revision, games and investigations): www.subtangent.com/maths/index.php Nrich (games and puzzles):

www.nrich.maths.org.uk/public/index.php Counton (lots of games):

www.counton.org/games/ Sums (games):

www.sums.co.uk/playground.htm Mathsapps (find apple maths apps):

www.mathsapps.com/ Brainbashers (games and puzzles):

www.brainbashers.com/puzzles.asp Funbrain (puzzles & games):

www.funbrain.com/ Hellam (puzzles & games):

www.mathematics.hellam.net/

www.mathsgenie.co.uk

www.mathsbot.com