

Topics studied:

Autumn 1

Place value, estimating and rounding

Factors multiples HCF LCM

Index laws

Standard form 1

Standard form 2

Surds

MILESTONE ASSESSMENT

Autumn 2

Angles in polygons

Pythagoras

Trigonometry

Similarity and congruence

MILESTONE ASSESSMENT

Spring 1

Direct and inverse proportion

Calculating speed/density

Linear graphs

Linear graphs

Non-linear graphs

MILESTONE ASSESSMENT

Spring 2

Fractions

Fractions and ratio

FDPR

Percentages

MILESTONE ASSESSMENT

Summer 1

Algebra (simplifying and substitution)

Expand and factorise

Solving equations

Inequalities

Inequalities

MILESTONE ASSESSMENT

Summer 2

Presenting data

Presenting data

Presenting data

End of year Assessment

MILESTONE ASSESSMENT

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