Math KS3 Curriculum Road Map 2019-2020

**HT2 Assessment (Dec)**

* Set 1 – GCSE Higher 100%
* Sets 2-3 – GCSE Foundation 100%
* Set 4 – Lv1/2 – Number and Measure

**HT4 Assessment (April)**

* Set 1 – GCSE Higher 100%
* Sets 2-3 – GCSE Foundation 100%
* Set 4 – Lv1/2 – Number and Measure

**HT6 Assessment (July)**

* Set 1 – GCSE Higher 100%
* Sets 2-3 – GCSE Foundation 100%
* Set 4 – Lv1/2 – Number and Measure

**Probability**

*(Consolidation + Problem Solving of prior learning*

Tree Diagrams · Conditional Probability · Venn Diagrams (Set notation)

**Number**

*(Consolidation + Problem Solving of prior learning*

Compound interest (repeat percentages) · Reverse percentages · Surds · Standard Form ·Upper & Lower Limits

**Geometry**

*(Consolidation + Problem Solving of prior learning*

Bearings · Circle Theorems ·Arcs & Sectors · Volume – Pyramids, Cones & Spheres ·Trigonometry ·Pythagoras & Trigonometry in three Dimensions · Negative Enlargements · Congruency & Similarity

**Statistical**

**Measures**

*(Consolidation + Problem*

*Solving of prior learning)*

extrapolation, interpolation

Histograms ·Cumulative

Frequency · Box Plots

proportion

statements

**HT3 Assessment (Feb)**

* Set 1 – GCSE Higher 100%
* Sets 2-4 – GCSE Foundation 100%

**Ratio &**

**Proportion**

*(Consolidation +
Problem Solving of
prior learning)*

Ratio & Fractions · multiplicative relationships

 · direct & Inverse

proportion

statements

**HT1 Assessment (Oct)**

* Set 1 – GCSE Higher 100%
* Sets 2-4 – GCSE Foundation 100%

 **HT5 Assessment (May)**

* Set 1 – GCSE Higher 100%
* Sets 2-4 – GCSE Foundation 100%

**Algebra**

 *(Consolidation + Problem Solving of prior learning)*

Fibonacci & Geometric Sequences · Solving Quadratics ·Functions · y=mx+c. Cubic & Reciprocal Graphs · Simultaneous Equations

**Geometry**

*(Consolidation + Problem Solving of prior learning)*

Compound measures · real life graphs · Polygons · Parallel Lines · Circles ·Volume (inc prisms) · Pythagoras ·Construct & Loci

**Yr9**

**Probability***(Consolidation + Problem Solving of prior learning)*

Relative Frequency · Tree Diagrams · Venn Diagrams

**HT6 Assessment (July)**

* Set 1 – GCSE Foundation 100%
* Sets 2-3 – GCSE Foundation 80%
* Set 4 – Lv1/2 – Number and Measure

**HT5 Assessment (May)**

* Set 1 – GCSE Foundation 100%
* Sets 2-4 – GCSE Foundation 80%

**HT4 Assessment (April)**

* Set 1 – GCSE Foundation 100%
* Sets 2-3 – GCSE Foundation 80%
* Set 4 – Lv1/2 – Number and Measure

**Number**

*(Consolidation +
Problem Solving of prior
learning)*

HCF, LCM using

Prime Factors · Percentage

Multipliers · Simple Interest

Negative & fractional

Indices · Error

Intervals

**Statistical Measures**

*(Consolidation + Problem Solving of prior learning)*

Time Series · Frequency Polygons · Comparing Statistical Diagrams · Comparing Distributions · Averages from frequency Tables & diagrams

**Ratio & Proportion***(Consolidation + Problem Solving of prior learning)*

Simplifying· Sharing in a Ratio · Comparing Ratio’s

 Social ResponsibilityY7

**Algebra***(Consolidation + Problem
Solving of prior learning)*

+ Factorising ·
 Expanding Two

Binominals ·

Simple Quadratic Sequences

Equations & Inequalities · Rearranging Formulae · Quadratic

Graphs

**HT3 Assessment (Feb)**

* Set 1 – GCSE Foundation 80%
* Sets 2-4 – GCSE Foundation 60%

**HT1 Assessment (Oct)**

* Set 1 – GCSE Foundation 80%
* Sets 2-4 – GCSE Foundation 60%

**HT2 Assessment (Dec)**

* Set 1 – GCSE Foundation 80%
* Sets 2-3 – GCSE Foundation 60%
* Set 4 – Lv1 – Number and Measure

**HT3 Assessment (Feb)**

* Set 1 – GCSE Foundation 100%
* Sets 2-4 – GCSE Foundation 80%

**HT1 Assessment (Oct)**

* Set 1 – GCSE Foundation 100%
* Sets 2-4 – GCSE Foundation 80%

**HT2 Assessment (Dec)**

* Set 1 – GCSE Foundation 100%
* Sets 2-3 – GCSE Foundation 80%
* Set 4 – Lv1/2 – Number and Measure

**HT6 Assessment (July)**

* Set 1 – GCSE Foundation 80%
* Sets 2-3 – GCSE Foundation 60%
* Set 4 – Lv1 – Number and Measure

**HT5 Assessment (May)**

* Set 1 – GCSE Foundation 80%
* Sets 2-4 – GCSE Foundation 60%

**HT4 Assessment (April)**

* Set 1 – GCSE Foundation 80%
* Sets 2-3 – GCSE Foundation 60%
* Set 4 – Lv1 – Number and Measure

**Yr7**

**Algebra**

Notation & Manipulating Algebra · Linear Sequences · Solving Equations · Substitution · Coordinates & Linear Graphs

**Yr8**

**Ratio & Proportion**

Understanding meaning & rep of ratio, bar modelling, simple ratio problem solving & application of ratio skills. Direct proportion (recipe, exchange & best buy)

**Geometry**

Angle Properties, Perimeter, Area & Volume, Transformations & Constructions

**Probability**

Probability Scale ·Mutually Exclusive outcomes ·Two Way Tables · Sample Space · Frequency Trees

**Number**

Factors, multiples & Primes · Prime Factors · Fractions · Percentages · Estimating & Rounding · Indices

**Statistical Measures**

Bar & line graphs · pictograms · pie charts · scatter graphs · interpreting
tables and
bank
statements
calculating

median,
mean, mode
&range,

The St Bede’s GRITTY Curriculum is deigned, ‘To empower young people for a life of learning that is filled with love for themselves and others, along with a hope for the future that is enriched by knowledge, skills and faith.