



St Benedict's Catholic School

The Catholic Secondary School for West Suffolk

Maths Curriculum Guide

Year 10

The curriculum in Year 10 is when pupils start their GCSE course material. The curriculum is therefore designed with an emphasis on the Edexcel specification which is the exam board used at GCSE. Techniques and fundamental skills from Key Stage 3 are built upon to help prepare pupils for exams in Year 11. Pupils will be exposed to the style of questions given at GCSE and will sit a GCSE paper for their End of Year Mocks.

The topics in green fall under Number, Algebra or Ratio and Proportion; those in blue are in the Statistics, Geometry and Probability strands.

Exam Board: Edexcel GCSE Maths 1MA1

To find out more about this course, please follow the link below:

<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/mathematics-2015.html>

Autumn Taught Content

- 1a. Whole Numbers
- 1b. Decimals
- 1c. Indices, powers & roots
- 1d. Factors, multiples & primes
- 6a. Angles, lines and symmetry
- 6a. Polygons and parallel lines
- 6b. Polygons (Interior and exterior angles)
- 2a. Intro to algebra
- 2b. Expanding and factorising
- 3a. Tables, collecting, representing & interpreting data
- SURDS**

Spring Taught Content

- 2c. Expressions and substitution
- 4a. Fractions
- 4b. Fractions, decimals & percentages
- 4c. Percentages

3b. Charts and graphs
3c. Pie Charts
3d. Scatter graphs
5a. Linear equations
5b. Inequalities
8a. Perimeter and area
8b. 3D forms and volume
Cumulative frequency, box plots & histograms

Summer Taught Content

5c. Sequences
9b. Coordinates & Linear graphs
9a. Real-life graphs
Accuracy and Bounds
8b. 3D forms and volume
7a. Statistics and questionnaires
Revision & Exams
Financial capability, inc AER
Using Excel
11a&b. Ratio and Proportion
7b. Averages
Enrichment Week
Using Autograph
10. Transformations
Circle Theorems

Assessment

There are 5 tests in total for the year with one per half term in the Autumn and Spring terms followed by a final End of Year assessment in the Summer term.

Homework Expectations

Each class is taught by two teachers. Homework will be set on a weekly basis by teachers using a combination of written and electronic work on MyMaths.

Useful resources and websites

- Mymaths
- Eedi Maths
- Maths made Easy

- GCSE Pod
- Ipswich Maths

Extra and Super Curricular Opportunities

Individual Maths Challenges and Team Maths challenges (Maths Feast)