

Overview of Year 7 Maths Curriculum

In Year 7 pupils follow the Collins Maths Frameworking series, which is based on yearly objectives from the National Numeracy Strategy. Pupils are encouraged to build on their knowledge from year 6, developing their mathematical thinking skills. The initial part of the course focuses on transition. The course is split into 18 units, which are as follows:

1. Algebra 1 - Terms, Sequences and Rules
2. Number 1 - Decimals, Estimates and Negative numbers
3. Shape, Space and Measure 1 - Area, Length, Perimeter and 3D Shapes
4. Number 2 - Fractions and Decimals
5. Handling Data 1 - Averages and Probability
6. Algebra 2 - Equations and Formulae
7. Shape, Space and Measure 2 - Angles and Coordinates
8. Handling Data 2 - Collecting and Presenting Data
9. Number 3 - Rounding, BODMAS, and Long Multiplication and Division
10. Algebra 3 - Powers and Roots
11. Shape, Space and Measure 3 - Construction and Angles
12. Number 4 - Percentages, Ratio and Proportion
13. Algebra 4 - Problem Solving
14. Shape, Space and Measure 4 - Symmetry and Transformations
15. Handling Data 3 - Pie charts, Surveys and Comparing Data
16. Number 5 - Fractions, Decimals and Percentages
17. Algebra 5 - Equations and Formulae
18. Shape, Space and Measure 5 - Polygons and Tessellations

Homework

This is set twice a week and is designed to support the work done during lessons. One piece will be a written task; the other will be a learning homework. As it is school policy to set homework, a detention will be issued if they are not handed in regularly.

Examinations/Key assessments

Assessment takes place in April/May in the form of Key Stage 3 Year 7 Optional/Progress Tests. In addition there are six unit exams, one of which will take place during each half term. These will be marked in detail and used to inform pupils of their progress, highlighting areas of weakness and strength.

How Parents can help

- Check that homework is recorded in planners and that all work is completed to a good standard.
- Ensure that basic equipment is brought to each lesson. A pencil and ruler are the minimum requirements.
- Encourage the use of the Internet for homework completion and revision.
- Ensure pupils revise for assessment tests.