St George's College
Weybridge

Syllabus and Sample Questions

For

11+ Entrance Examination

MATHEMATICS

45 minutes

Read the following instructions carefully

- **There are between 25 and 28 questions.** You should attempt all of them in any order you like.
- **Write neatly and show all your working.** It may be possible to give you marks if your working makes sense, even if your final answer is wrong.
- **Put your answer in the space provided.** If you think you have finished check that you have answered all the questions.
- **Keep an eye on the time.** Work carefully and steadily. Move on to another question if you find yourself spending too long on a question.
- **You may not use a calculator.**

St George's College, Weybridge
Syllabus for 11+ Mathematics Entrance Examination

The girls and boys are expected to be working at Level 5 of the National Curriculum. The layout of the examination paper will be similar to that of Keystage 2. It is essential that working out is shown in the spaces provided and credit will be given for correct methods used. Topics examined will include:

- The four rules (+, -, x, ÷) applied to whole numbers, decimals and fractions.
- Long multiplication and long division of whole numbers and decimals will be tested.
- Money problems. Simple ideas about proportion.
- Weights and measures in metric units
- Problems involving time, the 24 hour clock and reading and understanding simple timetables.
- Recognition of pattern in symmetry and number sequences, simple averages and rounding up numbers to give approximate estimates.
- Simple problems involving value comparison using fractions and percentages of quantities.
- Bar charts, pictograms and extracting information from them.
- Coordinates in the first quadrant
- Experience of pattern seeking and problem solving.
- Perimeter, area and volume of simple shapes.

There will usually be between 25 and 28 short questions in the paper. Questions are frequently set in which the knowledge required is supplied. Therefore the students should not be afraid to attempt questions which appear unfamiliar. Every effort is made to set a paper that gives all candidates a chance to show their mathematical capabilities.

It is important that all working out in the examination is shown accurately and methodically.

A pen, pencil, rubber and ruler marked in cm and mm should be brought to the examination. **Calculators are not permitted.**