13+ ENTRANCE & SCHOLARSHIP EXAMINATION SYLLABUS

Candidates sit three papers at Alleyn's during the course of one day:

1. **Verbal and Non-Verbal Reasoning Online Test** (approx 45 minutes)

2. **English** (1 hour 15 mins)
   It is essential time is managed carefully and we suggest 15 minutes' reading time, one hour writing time. Candidates are asked to write in pen.
   The examination consists of two sections:

A. A prose passage, followed by comprehension questions: the questions test understanding, both of what has been read (including vocabulary) and the effects of the writer's use of language. This section is worth 50% of the marks.
B. A directed composition: fluency and accuracy of written expression are the prime criteria for this section; imaginative flair will also be rewarded. This section is worth 50% of the marks.

3. **Mathematics** (1 hour)
   Candidates should bring a calculator, pen, pencil, ruler, eraser, protractor and compasses. The examination is largely set on the National Curriculum topics listed below. The final questions on the paper are harder, extension questions and are self-explanatory.

Number and algebra

- Make estimates by rounding to one significant figure.
- Primes, factors, HCF and LCM.
- Understand the effects of multiplying and dividing by numbers between 0 and 1.
- Four operations with integers, decimals and fractions.
- Solve numerical problems involving multiplication and division with numbers of any size, using a calculator efficiently and appropriately.
- Calculate using percentage and ratio.
- Understand and use proportional changes.
- Find and describe in symbols the next term or nth term of a linear or other simple sequence eg. Square numbers.
- Factorise and expand brackets in algebraic expressions.
- Substitute values into given formulae.
- Solve linear equations, including equations with fractions.
- Calculate speed, distance or time.
- Solve simple inequalities.

Shape, space and measures

- Recognise and use common 2D representations of 3D objects.
- Use the properties of quadrilaterals in classifying different types of quadrilateral.
- Solve problems using angle and symmetry properties of polygons and angle properties of intersecting and parallel lines.
- Use appropriate formulae for finding circumferences and areas of circles, areas of plane rectilinear figures and volumes of cuboids and simple prisms.
- Use Pythagoras' theorem.
- Enlarge shapes by a positive whole-number scale factor.
- Rotate, reflect shapes and be able to describe such transformations.
- Recognise rotation and line symmetry.
- Plot co-ordinates and graphs.
- Bearings

Handling data

- Collect and record continuous data, choosing appropriate equal class intervals over a sensible range to create frequency tables.
- Calculate the mean, median, mode and range of a set of data.
- Construct and interpret frequency diagrams.
- Construct pie charts.
- Draw conclusions from scatter diagrams, and have a basic understanding of correlation.
- Identify all the outcomes when dealing with a combination of two experiments.
- Understand that the total probability of all the mutually exclusive outcomes of an experiment is 1.

Decimal Separators: The symbol used to separate the integer part of a decimal from its fractional part is called the decimal point. Candidates from overseas should be aware that in Britain the decimal point is denoted by a period (eg 31**.**241). In some countries the notation is different: for example, many European countries use a comma in place of the decimal point (eg 31,241). Candidates are expected to be aware of the British system for decimal points and should note that questions will be set in this style; however, the candidate's own answer may be written in the style that is familiar to them.

Examination Concessions & Access Arrangements

We allow the use of a word processor or extra time for parts of the examination only where supported by the recent written recommendation of a suitably-qualified professional. For further details please refer to our Policy on Entrance Examination Concessions and Access Arrangements.

Practice Papers

Sample examination papers in English and Mathematics can be downloaded from our website but we do not publish past papers. Sample papers are not available for Verbal and Non-Verbal Reasoning; however, there is a familiarisation website https://www.intuproject.org/CEMSelect/CSFamiliarisation.swf which demonstrates the format of the assessment test.

Interviews

Candidates reaching an acceptable standard in the entrance examination are invited back to school to attend our interview day, which consists of two elements: candidates are assessed in small groups and in a one-to-one interview with one of the teachers on the School's admissions panel team. Parents are not interviewed. In the individual interview candidates will be asked about their interests in and out of school, and we will be seeking to identify those best suited to the education offered at Alleyn's. An invitation to an interview does not guarantee the subsequent offer of a place.

For further information

Visit the school website www.alleyns.org.uk or contact the Registrar's office: telephone 020 8557 1478 or email registrar@alleyns.org.uk