



## **13+ Local Students' Entrance Exam**

### **English**

#### **Structure of paper**

- A Reading task on a poem. This will include several questions, one of which will require a longer answer.
- A Writing task related to the Reading task. There will be a choice of topics.

No prior knowledge is required.

#### **Skills being tested**

The ability to understand texts in terms of interpretation and analysis of linguistic and expressive techniques; the ability to write clear, concise, well-structured and expressive English.

### **Mathematics**

#### **Structure of the paper**

- A set of mathematical problems and questions to be solved in a non-calculator exam format
- The paper will be used to assess suitability for IGCSE Mathematics, Higher Tier.

#### **Required knowledge to answer the paper**

- The material is based upon the national curriculum for Key Stage 3.
- There will be a focus on algebraic, numerical skills and geometrical reasoning.

#### **Skills being tested**

- Problem solving
- A strong understanding of number, including negative numbers, operations, fractions, percentages and decimals.
- Strong foundation in algebraic methods, including simplifying, substitution and solving linear equations
- An ability to spot patterns and work with number sequences
- Apply knowledge of shape and space and be able to provide geometrical reasoning. This may involve problems that include area, perimeter, basic angle facts, and properties of shapes.

**The Science Examination includes Biology, Chemistry & Physics, and is 45 minutes long**

## **Biology**

### **Structure of Paper**

- Match the Definition 5 marks
- Short Structured Questions 10 marks

### **Required Knowledge**

- Standard Key Stage 3 Biology syllabus knowledge.
- Covering a variety of areas including Organisms, Ecosystems, and Genes

## **Chemistry**

### **Structure of the paper**

- Match the Definition 5 marks
- Short Structured Questions 10 marks

### **Required knowledge to answer the paper**

- Standard Key Stage 3 Chemistry syllabus knowledge.
- Covering a variety of areas including: Matter, Reactions, and Earth

## **Physics**

### **Structure of Paper**

- Match the Definition 5 marks
- Short Structured Questions 10 marks

### **Required Knowledge**

- Standard Key Stage 3 Physics syllabus knowledge.
- Covering a variety of areas including: Forces, Electromagnets, Energy, and Waves