

## Essex 11plus Maths topics:

- The 4 basic operations: addition, subtraction, multiplication and division
- Fractions
- Decimals
- Money
- Metric system
- Temperature
- Time
- Prime numbers
- Prime factors
- Highest common factor and lowest common multiple
- Perimeter, Volume and Area (Squares, Rectangles, Compound Shapes)
- Line Graph,
- Tables,
- Bar charts,
- Charts,
- Time Graph,
- Mean, Median, Mode and Range,
- Tally Marks,
- Venn Diagrams,
- Time and Distance Tables,
- Pie Chart,
- Data Collection

- Presentation
- Distance, Speed and Time
- Algebra
- Angle calculations
- Co-ordinates
- Reflection and Rotation
- Percentages
- Ratio and Proportion
- Volume of cube and cuboids
- Bearings
- Simple probability
- Nets of shapes
- Sequences and number patterns
- Marking and interpreting scales
- Following rules and instructions in more unusual problem solving and investigative activities

## **Essex 11+ English Skills to Hone**

### **Vocabulary**

- Synonyms and Antonyms
- Latin and Greek Root Words
- Gendered Words

### **Grammar**

- Past, Present and Future Tenses
- Main and Subordinate Clauses
- Pronouns
- Prepositions
- Determiners
- Conjunctions
- Modal Verbs
- Verb Agreement
- Active and Passive Voice
- Subjunctive Verb Forms
- Nouns
- Verbs
- Adjectives
- Plurals
- Suffixes
- Compound words
- Prefixes

### **Punctuation**

- Speech
- Hyphens
- Parentheses
- Commas
- Full Stops
- Semi-Colons
- Hyphens

## **Comprehension**

Students should be able to:

- Read factual and fictional passages and texts from a wide variety of sources
- Read passages and texts carefully and demonstrate the ability to identify and extract information
- Use the mark allocation given to gauge how much to write. This means that a 3-mark question would require you to write more than one sentence.
- Explain the purpose behind a writer's choice of words
- Explain the purpose or meaning of a phrase in the text
- Explain the effect of specific words, phrases and sentences on the reader
- Support their answers using quotations from the text when prompted
- to do so
- Explain the meaning of high-level vocabulary words that appear in the text and understand their usage in relation to how each word is used.
- Use inference and deduction skills to read between the lines and draw conclusions.
- Demonstrate an awareness of how word choice, vocabulary, grammar and punctuation affect the meaning of a text.
- Recognise literary devices and explain how create effect and also explain the writer's purpose when using such words.

## **Continuous Writing**

Students should be able to:

- Write using clearly structured paragraphs
- Use a range of complex sentences.
- Respond to topic given within the amount of sentences required.
- Organise ideas effectively
- Convey feelings and opinions in an accurate way
- Write imaginatively and descriptively
- Use a range of literary devices in their compositions
- Respond accurately to the title, question or stimulus given

The range of topics included in the continuous writing section varies and can include the following:

- Factual or personal writing
- Descriptive writing.
- Responding to picture stimulus