

## English Language Literacy

Following are the **contents of study** to prepare for the English admission test for Cambridge IGCSE classes. A sample question paper, containing English section, is attached to give you an idea of the paper pattern and division of marks.

### Year 9 (IG-I)

#### GRAMMAR

- **Sentence structure:** compound sentence, complex sentence
- **Present tense:** Simple, Continuous, and Perfect – (negative, interrogative)
- **Past tense:** Simple, Continuous, and Perfect – (negative, interrogative)
- **Use of 'since' and 'for'**
- **Conditional sentences:** type-I and type-II

#### READING COMPREHENSION

- 2 to 3-word answer of questions, multiple choice questions, text-based word meaning

#### COMPOSITION

- letter/email writing
- Summary writing
- Article writing/Review writing

## Math (Numeracy) Literacy

Following are the **contents of study** to prepare for the math admission test for Cambridge IGCSE classes. A specimen question paper, containing math section, is attached to give you an idea of the paper pattern and division of marks.

### Year 9 (IG Prep.)

#### Number

- Express numbers as a product of prime factors. Finding the lowest common multiple (LCM) and highest common factor (HCF) of two or more numbers.
- Demonstrate an understanding of ratio and proportion. E.g., numerical problems involving direct and inverse proportion.
- Calculate using money and convert from one currency to another
- Calculate a given percentage of a quantity. Express one quantity as a percentage of another.
- Use directed numbers in practical situations. E.g., temperature changes, flood levels

#### Algebra

- Manipulate directed numbers. Use brackets and extract common factors. Expand products of algebraic expressions. e.g. expand  $3x(2x - 4y)$
- Recognize sequences of square, cube and triangular numbers.
- Manipulate simple algebraic fractions

#### Transformation and Geometry

- Reflect simple plane figures in horizontal or vertical lines.
- Calculate unknown angles using the following geometrical properties; e.g., angles at a point and angles at a point on a straight line and intersecting straight lines

#### Mensuration

- Carry out calculations involving perimeter and area of a rectangle, triangle, parallelogram and trapezium and compound shapes derived from these
- Carry out calculations involving the volume of cube, cuboid, and simple shapes

#### Handling data

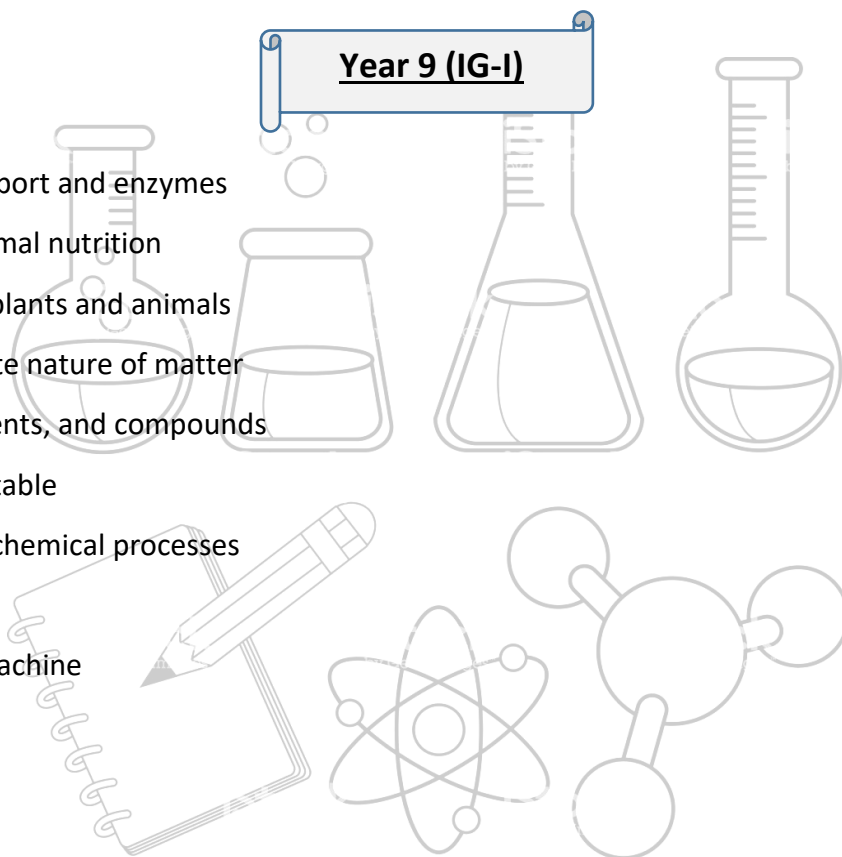
- Read, interpret and draw inferences from tables and statistical diagrams. Compare sets of data using tables, graphs and statistical measures.
- Interpret bar charts, pie charts, pictograms

## Science Literacy

Following are the **contents of study** to prepare for the science admission test for Cambridge IGCSE classes. A specimen question paper, containing science section, is attached to give you an idea of the paper pattern and division of marks.

### Year 9 (IG-I)

- Cellular transport and enzymes
- Plant and animal nutrition
- Transport in plants and animals
- The particulate nature of matter
- Atoms, elements, and compounds
- The Periodic table
- Physical and chemical processes
- Sound waves
- Forces and machine
- Density



## Computer Science Literacy

Following are the **contents of study** to prepare for the computer science admission test for Cambridge IGCSE classes. A specimen question paper, containing science section, is attached to give you an idea of the paper pattern and

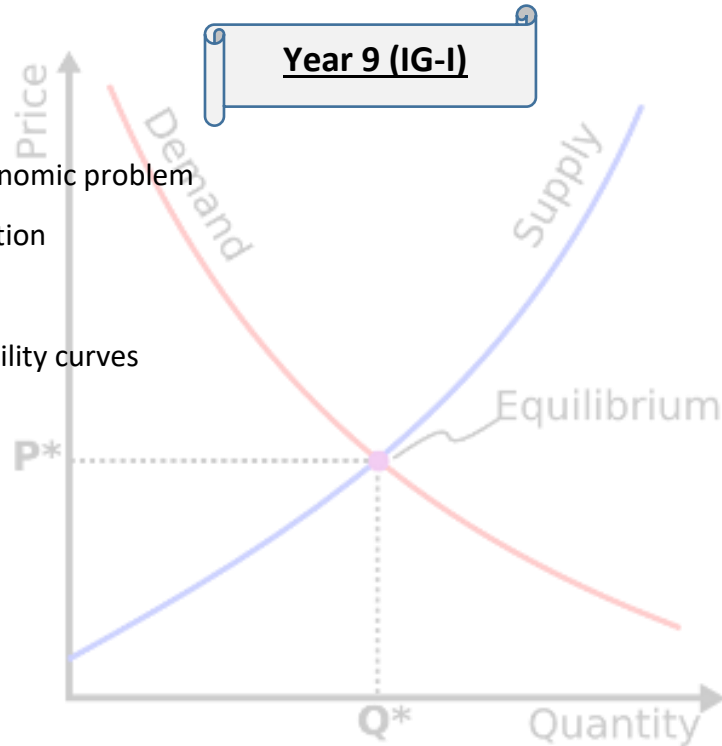
### Year 9 (IG-I)

- Number System (Conversion)
  - Denary, Binary
  - Hexa-decimal
- Measurement of the size of computer memories
- Measurement of the size of computer memories (Year 8, 9, 10)
- Data transmission
  - HTML, Web-browser & internet Services
- Logic Gates
  - Logic Circuit & Truth Tables
- Computer Architecture
  - Operating System & Interrupts
- Input & Output devices
  - Sensors & their uses
- Programming Languages

## Economics Literacy

Following are the **contents of study** to prepare for the economics admission test for Cambridge IGCSE classes. Question in the admission test will require you to provide short answers only mainly checking your conceptual understanding.

- The nature of economic problem
- Factors of production
- Opportunity cost
- Production possibility curves



## Accounting Literacy

Following are the **contents of study** to prepare for the accounting admission test for Cambridge IGCSE classes. Question in the admission test will require you to provide short answers only mainly checking your conceptual understanding.

### Year 9 (IG-I)

- Introduction to accounting
- Double entry book-keeping – Part A
- The trial balance
- Double entry book-keeping – Part B
- Petty cash books
- Business documents

