

English Language Literacy

Following are the contents you need to study to prepare for English admission test. A [sample admission test paper](#) is available on the school website (www.pisqdoha.com/igcse/) in the dropdown menu 'Cambridge' for your guidance.

Year 9 (IG-I)

GRAMMAR

- **Sentence structure:** compound sentence, complex sentence (identification, joining, conversion)
- **Tenses (past, present, future):** Simple, Continuous, Perfect (conversion, application)
- **Use of:**
 - 'since' and 'for'
 - Active & Passive voice structure (past & present simple, continuous, and perfect tense)
- **Conditional sentences:** type-I and type-II (structure and use)

READING COMPREHENSION

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

COMPOSITION

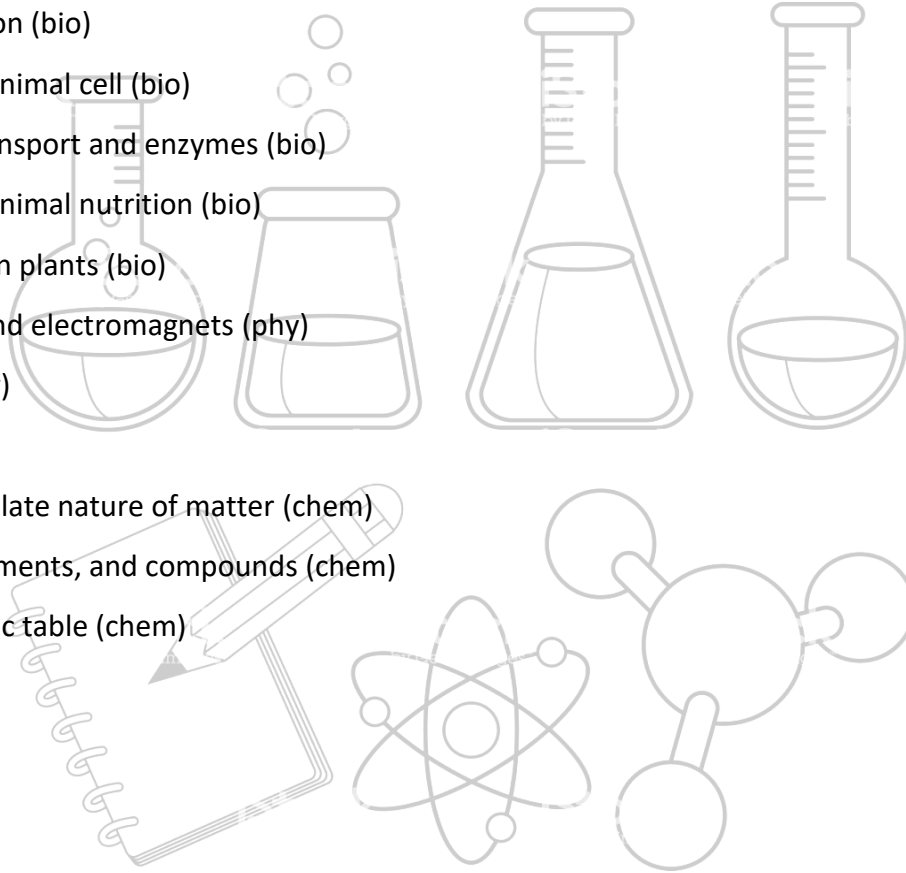
- paragraph structuring and writing
- letter/email writing

Science Literacy

Following are the contents you need to study to prepare for science admission test. A [sample admission test paper](#) is available on the school website (www.pisqdoha.com/igcse/) in the dropdown menu 'Cambridge' for your guidance.

Year 9 (IG-I)

- Classification (bio)
- Plant and animal cell (bio)
- Cellular transport and enzymes (bio)
- Plant and animal nutrition (bio)
- Transport in plants (bio)
- Magnets and electromagnets (phy)
- Sound (phy)
- Light (phy)
- The particulate nature of matter (chem)
- Atoms, elements, and compounds (chem)
- The Periodic table (chem)



Math (Numeracy) Literacy

Following are the contents you need to study to prepare for math admission test. A [sample admission test paper](#) is available on the school website (www.pisqdoha.com/igcse/) in the dropdown menu 'Cambridge' for your guidance.

Year 9 (IG-I)

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 $3x(2x - 4y)$ $(3x-5y)(4x-2y)$
- Recognize sequences of square, cube and triangular numbers.
- Manipulate simple algebraic fractions
- Factorize quadratic equations

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

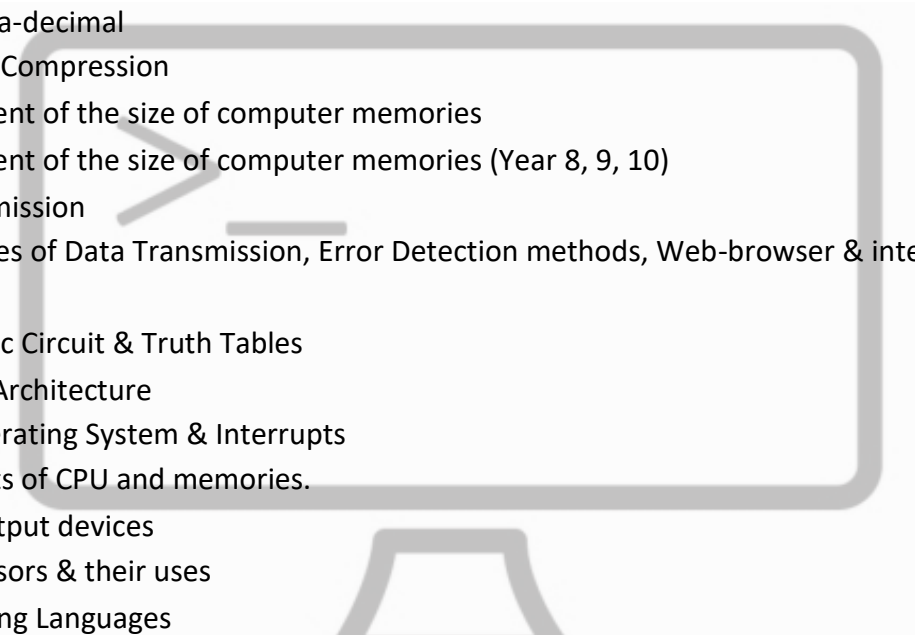
Handling data

- 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
- Calculate mean, median, and mode

Computer Science Literacy

Following are the **contents of study** to prepare for the computer science admission test for Cambridge IGCSE classes. You'll be required to provide short answers only mainly showing your conceptual understanding.

Year 9 (IG-I)

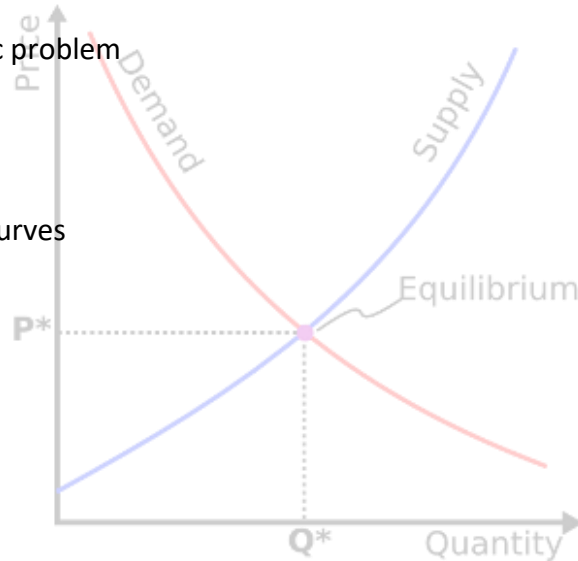
- Number System (Conversion)
 - Denary, Binary
 - Hexa-decimal
 - File Compression
 - Measurement of the size of computer memories
 - Measurement of the size of computer memories (Year 8, 9, 10)
 - Data transmission
 - Types of Data Transmission, Error Detection methods, Web-browser & internet Services.
 - Logic Gates
 - Logic Circuit & Truth Tables
 - Computer Architecture
 - Operating System & Interrupts
 - Parts of CPU and memories.
 - Input & Output devices
 - Sensors & their uses
 - Programming Languages
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Economics Literacy

Following are the **contents of study** to prepare for the economics admission test for Cambridge IGCSE classes. You'll be required to provide short answers only mainly showing your conceptual understanding.

Year 9 (IG-I)

- 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. You'll be required to provide short answers only mainly showing 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

