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 8 (Preparatory)

GRAMMAR

- **Parts of speech** noun, adjective, verb, adverb, conjunctions, articles (identification and use)
- **Sentence:** parts and structure
    - simple and compound sentence (identification, joining, conversion)
- **Tenses (Past, Present, Future):** Simple, Continuous, Perfect (negative, interrogative)

READING COMPREHENSION

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

COMPOSITION

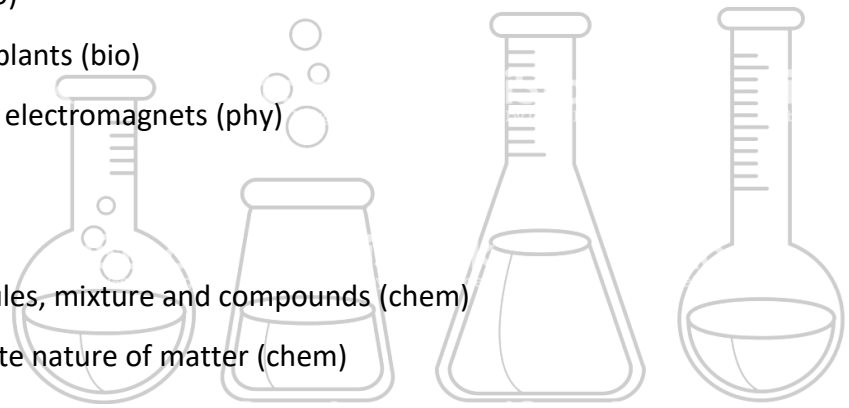
- Paragraph – basic structuring components and writing (120-150 words)
- letter/email (as instructed)

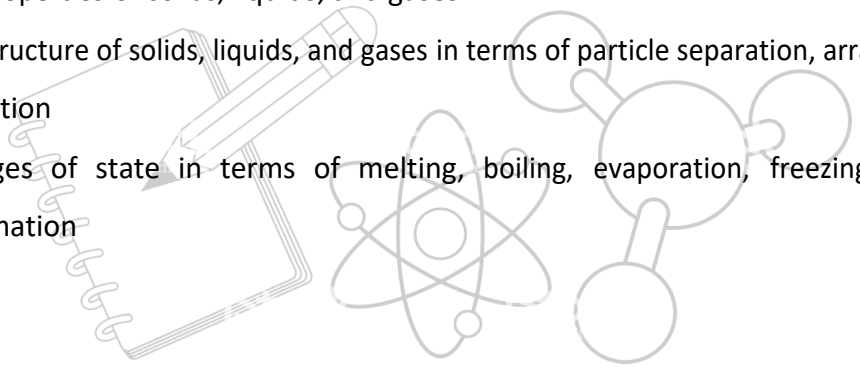
Science Literacy

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 8 (Preparatory)

- Plant and animal cell (bio)
- Photosynthesis and respiration (bio)
- Digestion (bio)
- Transport in plants (bio)
- Magnets and electromagnets (phy)
- Sound (phy)
- Light (phy)
- Atom molecules, mixture and compounds (chem)
- The particulate nature of matter (chem)
    - The properties of solids, liquids, and gases
    - The structure of solids, liquids, and gases in terms of particle separation, arrangement, and types of motion
    - Changes of state in terms of melting, boiling, evaporation, freezing, condensation and sublimation





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 8 (Preparatory)

Number

- Identify and use natural numbers, integers (positive, negative and zero), prime numbers, square and cube numbers, common factors and common multiples
- Express numbers as a product of prime factors. Finding the lowest common multiple (LCM) and highest common factor (HCF) of two or more numbers.
- Addition subtraction multiplication of decimals. e g 2.32 x 0.45
- Use the four rules for calculations with whole numbers, decimals, and fractions (including mixed numbers and improper fractions), including correct ordering of operations and use of brackets.
- Calculate a given percentage of a quantity
- Conversion of units e.g., km to m, ml to liters etc.

Algebra

- Manipulate directed numbers. Use brackets and extract common factors. Expand products of algebraic expressions. e.g., expand 3 x (2x – 4y)
- Recognize patterns and find the next term.
- Solve simple algebraic equations e.g., 3x-4=13

Geometry

- Shapes and geometric reasoning
- Calculate unknown angles using the following geometrical properties: e.g. Angles at a point and angles at a point on a straight
- Construction of angles

Measure

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

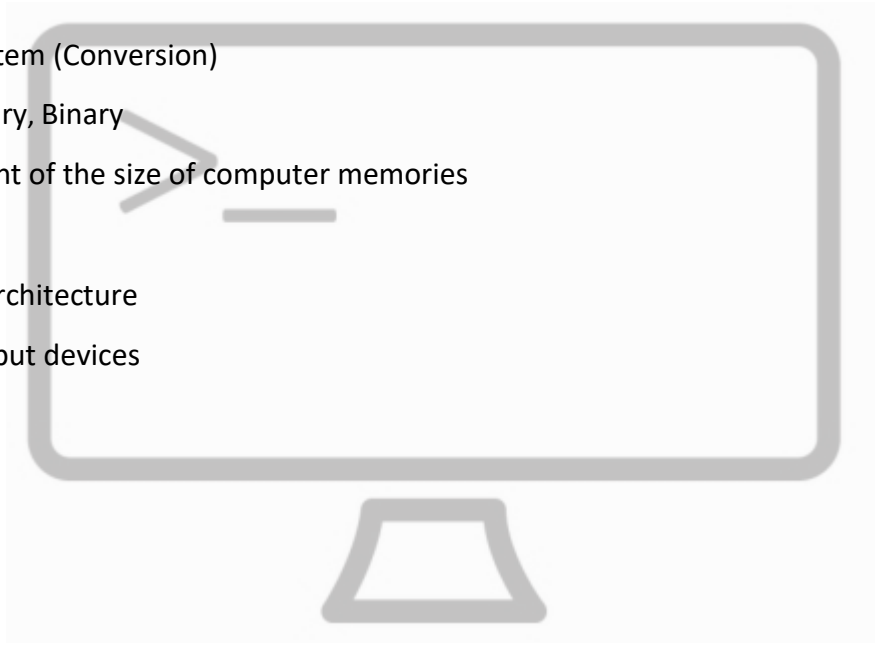
Handling data

- Read, interpret, and draw inferences from tables and statistical diagrams. Mark tally.
- Interpret bar charts and pictograms

Computer Science Literacy

Following are the contents you need to study to prepare for computer 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 8 (Preparatory)



- Number System (Conversion)
  - Denary, Binary
- Measurement of the size of computer memories
- Logic Gates
- Computer Architecture
- Input & Output devices