



Pak Shamaa School-Doha, Qatar

(Cambridge Wing)

Syllabus For Admission – Year 7 (2026-2027)

Science (Marks:30)

- The Human Body
 - The Circulatory System
 - The Respiratory System
- Food Chain and Food Webs
- Electricity-Different Circuits and Diagrams
- The Solar System

Mathematics (Marks:40)

- Addition, Subtraction, Multiplication and Division of Simple and Decimal Number (Show Working)
- The Number System (Place Value, Rounding Decimal Number)
- Change Fraction to Mixed Number or Percentage
- Find Perimeter and Area of a Square and a Rectangle
- Common Multiples and Factors

English (Marks:30)

- Parts of Speech
 - Prefix and Suffix
 - Use of Punctuation
 - Comprehension of a Passage
 - Creative Writing
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Syllabus For Admission – Year 8 (2026-2027)

Science (Marks:30)

- Cells (plant cells, animal cells)
- Materials and their Structure (solids, liquids & gases, changes of state,)
- Forces and Energy (gravity, weight & mass, Energy, changes in energy, where does energy go?)
- Grouping and Identifying Organisms (characteristics of living organisms, what is a species)
- Properties of materials (acids & alkalis, Indicators & the pH scale)

Mathematics (Marks:40)

- Addition, Multiplication and Division of Mixed Numbers (Show Working)
- Rounding (Nearest 10,100,1000)
- Sequences (Term to Term Rule)
- Expressions, Formulae and Equation
- Angles (Types, Finding Missing angle)

English (Marks:30)

- Parts of Speech
 - Prefix and Suffix
 - Use of Punctuation
 - Comprehension of a Passage
 - Creative Writing
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Syllabus For Admission – Year 9 (2026-2027)

Science (Marks:30)

- The Human Respiratory System (Blood, Breathing)
- Light (Reflection, Refraction, Making rainbows, Colors of light)
- The Structure of Atom (Elements, Subatomic particles)
- Diet and Growth (Nutrients, Carbohydrates, proteins, fats, vitamins, minerals, iron, Balanced diet)

Mathematics (Marks:40)

- Expressions, formulae and equation (Expanding Brackets, Factorizing, Constructing and solving equations)
- Angles and Constructions (Parallel lines, The exterior angles of the triangles)
- Fractions (Subtracting mixed numbers, multiplying integers by a mixed number, Dividing an integer by a fraction)
- Sequences and Functions (Finding rules for sequences)
- Percentages (Percentages increase and decrease)
- Ratio and Proportion (Simplifying ratios, Sharing a ratio)
- Probability (Calculating probabilities)

English (Marks:30)

- Grammar (Parts of Speech, Correction of Tenses, Punctuation, Vocabulary)
 - Comprehension-Multiple Matching
 - Informal email writing
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Syllabus For Admission – Year 10 (2026-2027)

Science (Marks:30)

- Physical Quantities, Volume of Regular and Irregular Shapes, Speed, Velocity, and Acceleration Motion Graphs, Laws of Newton, Mass and Weight, Momentum, Pressure and Density
- Photosynthesis and respiration, Cell and cellular organelles
- Atomic structure and the periodic table
- Chemical bonding (ionic, covalent, metallic), States of matter and changes of state
- Acids, bases, and pH scale

Mathematics (Marks:40)

- Algebraic expressions (Expanding Brackets, Laws of indices (for alphabets), Problems solving the change of subjects and algebraic equations, Solving simultaneous linear equations)
- Angle properties of polygons (Sum of interior and exterior angles of a polygon, Finding number of sides of a polygon)
- Numbers (Rounding numbers (decimal places, nearest whole numbers, significant figures, Combined operations, Percentages (marked price, discount, cost price, selling price etc.)
- Sequences and Functions (Finding nth term of linear sequence
- Ratio and Proportion (Problems of ratios and equivalence, Direct and inverse proportion)

English (Marks:30)

- Grammar (Parts of Speech, Correction of Tenses, Punctuation, Vocabulary)
 - Comprehension-Multiple Matching
 - Informal email writing
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Pak Shamaa School

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Books List- Year 7

1. Cambridge International Lower Secondary English (Student's Book)
2. Cambridge International Lower Secondary English (Workbook)
3. Cambridge Lower Secondary Science (Student's Book)
4. Cambridge Lower Secondary Science (Workbook)
5. Cambridge Lower Secondary Mathematics (Student's Book)
6. Cambridge Lower Secondary Mathematics (Workbook)
7. Computing
8. Global Perspectives
9. Studies in Islam (English) / Islamic Studies (Arabic)
10. Qatar History (Arabic / English)
11. Arabic / Urdu / French

Notebooks

Total eight notebooks



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Books List- Year 8

1. Cambridge International Lower Secondary English (Student's Book)
2. Cambridge International Lower Secondary English (Workbook)
3. Cambridge Lower Secondary Science (Student's Book)
4. Cambridge Lower Secondary Science (Workbook)
5. Cambridge Lower Secondary Mathematics (Student's Book)
6. Cambridge Lower Secondary Mathematics (Workbook)
7. Computing
8. Global Perspectives
9. Studies in Islam (English) / Islamic Studies (Arabic)
10. Qatar History (Arabic / English)
11. Arabic / Urdu / French

Notebooks

Total eight notebooks



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Books List- Year 9 & 10

Science Group

1. IGCSE English as a Second Language - Student's Book
IGCSE English as a Second Language - Workbook
2. IGCSE Physics Coursebook
3. IGCSE Chemistry Coursebook
IGCSE Chemistry Workbook
4. IGCSE Mathematics Core & Extended- Coursebook
5. IGCSE Biology Coursebook
IGCSE Biology Workbook

OR

6. IGCSE ICT Coursebook
7. IGCSE Travel and Tourism
8. IGCSE Studies in Islam (English)
Islamic Studies (Arabic)
9. Qatar History (Arabic / English)
10. Arabic / IGCSE **Urdu** as a Second Language (0539) / French

Notebooks: Total eight notebooks

Commerce Group

1. IGCSE English as a Second Language - Student's Book
IGCSE English as a Second Language - Workbook
2. IGCSE Economics Coursebook
3. IGCSE Business Studies Coursebook
4. IGCSE Mathematics Core & Extended- Coursebook
5. IGCSE Accounting Coursebook

OR

6. IGCSE ICT Coursebook
7. IGCSE Travel and Tourism
8. IGCSE Studies in Islam (English)
Islamic Studies (Arabic)
9. Qatar History (Arabic / English)
10. Arabic / IGCSE **Urdu** as a Second Language (0539) / French

Notebooks: Total eight notebooks