



PAKISTAN SCHOOL MUSCAT
Admission Test Syllabus for Class VIII (Pre IX)
Session 2025-26

Subject	Topic
English	<ul style="list-style-type: none"> Comprehension Verb + Tense agreement Connectives Verbs followed by Prepositions Demonstrative, Infinitive, relative Pronouns Comparative and Superlative forms of adjectives and adverbs Active and Passive voice Past Modals Descriptive Paragraph writing Letter Writing (Formal)
Mathematics	<ul style="list-style-type: none"> Basic Algebra Linear Equations Number Patterns Percentage Basic Geometry Perimeter and Area of plane figures LCM, HCF Ratio (simplifications)
Science	<p>The Human Respiratory System:</p> <ul style="list-style-type: none"> Define Respiration, Word Equation. Differentiate between Breathing and Respiration. Labelling of lungs, functions of different parts of Lungs. Function of Red blood cell, White blood cell and Plasma. Antibody, Antigen. <p>Forces and Energy:</p> <ul style="list-style-type: none"> Balanced and Unbalanced Forces. Define Speed. What is SI unit of speed? How speed can be calculated? Explain the concept of diffusion. What key factors influence the process of diffusion? <p>Properties of Materials:</p> <ul style="list-style-type: none"> Describe the following terms. (Solvent, Solute, Solution, Soluble, Insoluble) Difference between Concentrated, Saturated and Dilute Solution What are variables? What is the difference between independent, dependent, and control variables. Define Paper Chromatography. How does paper chromatography separate different pigments in a mixture (ink dyes or food colourings). Exothermic Reaction & Endothermic Reaction <p>Light:</p> <ul style="list-style-type: none"> Define following terms. (Reflection of light, Refraction of light, Dispersion of light) Law of reflection Spectrum of light, Primary & Secondary colours of light.
Urdu	<p>مضامین: ہمارا وطن پاکستان، قائد اعظم، وقت کی پابندی، میرا پسندیدہ کھیل درخواست، خط، الفاظ کا جملوں میں استعمال کریں، واحد جمع، الفاظ متضاد، معنی کے لحاظ سے اسم کی اقسام، سابقہ لاحقہ پیرا گراف سے سوالات کے جوابات</p>