



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

<b><u>Subject</u></b>	<b><u>Topic</u></b>
<b>English</b>	<ul style="list-style-type: none"><li>• Comprehension</li><li>• Creative Writing (informal letter writing)</li><li>• Parts of speech (Basic Identification)</li><li>• Comparative / Superlative adjectives and adverbs</li><li>• Simple / Continuous / Perfect Tenses (Active / Passive)</li><li>• Connectives</li></ul>
<b>Mathematics</b>	<ul style="list-style-type: none"><li>• Basic Algebra</li><li>• Linear Equations</li><li>• Simple Inequalities</li><li>• Number Patterns</li><li>• Percentage</li><li>• Basic Geometry</li><li>• Perimeter and Area of Plane Figures</li><li>• Volume and Surface Area of Prism and Cylinders</li></ul>
<b>Science</b>	<p><b>The Human Respiratory System:</b></p> <ul style="list-style-type: none"><li>• Define Respiration, Word Equation.</li><li>• Differentiate between Breathing and Respiration.</li><li>• Labelling of lungs, functions of different parts of Lungs.</li><li>• Function of Red blood cell, White blood cell and Plasma.</li><li>• Antibody, Antigen.</li></ul> <p><b>Forces and Energy:</b></p> <ul style="list-style-type: none"><li>• Balanced and Unbalanced Forces.</li><li>• Define Speed. What is SI unit of speed? How speed can be calculated?</li><li>• Explain the concept of diffusion. What key factors influence the process of diffusion?</li></ul> <p><b>Properties of Materials:</b></p> <ul style="list-style-type: none"><li>• Describe the following terms. (Solvent, Solute, Solution, Soluble Insoluble)</li><li>• Difference between Concentrated, Saturated and Dilute Solution</li><li>• What are variables? What is the difference between independent, dependent, and control variables.</li><li>• Define Paper Chromatography. How does paper chromatography separate different pigments in a mixture (ink dyes or food colourings).</li><li>• Exothermic Reaction &amp; Endothermic Reaction</li></ul> <p><b>Light:</b></p> <ul style="list-style-type: none"><li>• Define following terms. (Reflection of light, Refraction of light, Dispersion of light)</li><li>• Law of reflection</li><li>• Spectrum of light, Primary &amp; Secondary colours of light.</li></ul>
<b>Urdu</b>	مضمون - واحد جمع - دیے گئے الفاظ سے حوالی جگہ پر کریں۔ تفہیم