



## PEISG

### Admission Requirements for Class 8

Age Requirement: 13+ to <14

English	Mathematics	Science
<p>Should be able to</p> <ul style="list-style-type: none"> <li>• Read and answer comprehension questions (fictional and non-fictional texts).</li> <li>• Use descriptive writing features, figures of speech.</li> <li>• Understand text organization, paragraphs, main idea.</li> <li>• Be very confident with advanced grammar.</li> <li>• Understand purpose and audience of author.</li> <li>• Write all genres. Formal and informal.</li> </ul>	<p>Should be able to</p> <ul style="list-style-type: none"> <li>• Round numbers (to the nearest whole, to 1 decimal place and to 2 decimal place),</li> <li>• Place value of numbers in a whole and a decimal number,</li> <li>• Change fractions to a percentage and finding a percentage of a quantity, or quantity from a percentage,</li> <li>• Identify 2D and 3D shapes,</li> <li>• Calculate the time difference between two sets of times,</li> <li>• Calculate Area and perimeter of compound shapes,</li> <li>• Translate, reflect and rotate 2D shapes on a coordinate plane,</li> <li>• Finding mean, median and mode for both ungrouped and grouped data.</li> </ul>	<p>Should be able to</p> <ul style="list-style-type: none"> <li>• Define plants and humans as organisms, muscles,</li> <li>• Explain and differentiate between plant cells and animal cells, know specialized cells,</li> <li>• Define food chains,</li> <li>• Classify plants, vertebrates and invertebrates,</li> <li>• Explain States of matter, changing state, particle theory,</li> <li>• Basic equipment find in the lab and their best suited tasks</li> <li>• List properties of metals and non-metals.</li> <li>• Define acids and alkali, pH scale, neutralization,</li> <li>• Know rock types, weathering and fossils.</li> <li>• Explain weight, friction, air resistance, size of the forces, different types and conservation of energy.</li> <li>• Explain day and night, seasons with movement of the Earth and the Sun.</li> </ul>