

Assessment Guidelines for Admission to Grade IX

1) The child should be able to:

- Read** unabridged novels, short stories and plays with comprehension.
- Understand** and **speak** English / Urdu confidently.
- Read** and **comprehend** unseen passages.
Type of questions:
 - Literal ▪ Inferential
 - Evaluative ▪ Vocabulary
- Spell accurately the range of vocabulary used.
- Write** an essay/short story with accuracy of language, effective vocabulary and varied sentence structure, of about 250 words, in **(English and Urdu)**, on a given topic that can engage and sustain the interest of the reader.

2) Mathematics

- Real numbers
- Whole numbers
- Fractions and Decimals
- Conversions
- Basic geometrical concepts and properties
- Algebra
- Perimeter and area of simple geometrical figures

3) Science

Biology

- Cell structure: animal & plant (their differences and similarities)
- Photosynthesis and Respiration
- Ecosystem (Food chain, Food web, Food pyramid)
- Organ systems (Digestive, respiratory, circulatory)

Chemistry

- Atomic Structure and Periodic Table
- Bonding (ionic and covalent)
- Acid and alkalis
- Different types of reactions
- Identification Test for Carbon dioxide and Hydrogen

Physics

- Units and Measurement
- Mass, weight and density
- Forces (Contact, non-contact)
- Relationship b/w force, mass and acceleration (Newton Laws of motion)
- Pressure
 $P = F/A$ [Effect of force and area on Pressure]

Note: It is important that the child comes for the test on time and carries complete stationery (Pen, pencil, erasers, etc.) as well as geometrical instruments (a pair of compasses, protractor).