

Secondary Section: Grade VII

According to AIS Admission Policy, at around 12 years of age, your child is suitable to be admitted in Grade VII of the AIS Secondary Section.

In order to cope up with a wide range of activity based lessons, your child must be well acquainted with particular levels of skills, knowledge and understanding.

The following literacy and numeracy skills are required in your child as prerequisites for this grade:

English

Comprehension

Grammar

- Parts of speech (Nouns, Verb tenses, Pronouns, Adjectives, Adverbs, Prepositions, Conjunctions and interjections, Connectors)
- Punctuation (Capital letters, full stops, commas, speech marks, ellipsis and apostrophes)
- Question tags
- Direct/Indirect speech
- Forms of Sentences
- Figures of speech (Similes, metaphors, personification and onomatopoeia)

Vocabulary

- Synonyms/ Antonyms

Creative Writing

- Formal /Informal Letter
- Descriptive writing (Word Limit 120-150)

Mathematics

- **Place value ,ordering and rounding**
- **Integers powers and roots** (order, add and subtract positive and negative integers, LCM and HCF, multiples)
- **Ratio and proportion** (Equivalent ratios, Direct proportion, Dividing a quantity in a given ratio, using percentages to compare proportions)
- **Fractions and Percentages** (Equivalent fractions, Addition and subtraction of fractions and Finding percentages of given amounts)

- **Area and perimeter of squares and rectangles** (simple and composite figures made from rectangle)
- **Length, mass and capacity** (Converting smaller metric units into larger ones (kilometres, metres, litres, milliliters, kilograms and grams) , understand metric units and use these to perform simple calculations, arranging measurements into a sequence with units, calculating rise and fall in temperature)
- **Angle Properties** (Missing angles of a quadrilateral ,Angles on a straight line, parallel lines and at a point)
- **Cubes and cuboids** (Calculating volume and surface area of cubes and cuboids)

Science

Biology:

- Major Organ Systems: Organ systems of flowering plants, human organ systems.
- Cells: Parts of plant and animal cells.
- Living Things in the environment: Food Chain
- People and the plant: Renewable and non-renewable energy resources.

Physics:

- Energy: Forms of energy and energy transfers.
- The Earth and Beyond: Solar System, planets of solar system
- Forces and motion: Types of forces, friction, ways to reduce friction, advantages of friction.

Chemistry:

- States of matter: Particle Theory, Particle arrangement in all three states of matter, changes in states of matter
- Rocks and Soil: Types of rocks and soil
- Acids and alkalis: pH, Acid rain and Air Pollution

Urdu

اردو گرامر:

” و اورں “ کا اضافہ کر کے جمع بنانے والے واحد جمع مثلاً کمرہ: کمرے، رات: راتوں وغیرہ

الفاظ متضاد

سوئیک الفاظ اور ہندسوں میں اردو گنتی

جملے بنانا

تفہیم :

نثر پارہ پڑھ کر سوالات کے جوابات دینا

نثر پارے سے غلط املا والے الفاظ پہچان کر درست املا لکھنا

تخلیقی تحریر:

خط نویسی

درخواست نویسی

کہانی

مضمون نویسی