

## Secondary Section: Grade VI

According to AIS Admission Policy, at around 11 years of age, your child is suitable to be admitted in Grade VI 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

For attempting the comprehension the child needs to understand a wide range of different text such as:

- Fictions texts
- Non-fiction texts

#### Grammar

- Parts of Speech (Nouns, Adverbs, Adverbial phrases and clauses, Adjectives, Comparative and Superlative , Reflexive pronouns, Propositions, Pronouns, conditionals/*if clause* ,Conjunctions)
- Figures of Speech (Onomatopoeia, Metaphors, Personification, Similes)
- Active and passive voice
- Direct/ reported speech
- Punctuation (Ellipsis, Dashes, Commas, Brackets, Hyphen, Exclamation mark, Colon, Semicolon, Inverted commas and Apostrophes)
- Homophones/ homographs
- Use of connectives
- Suffixes/Prefixes
- Use of compound and complex sentences
- Synonyms/antonyms
- Use of Proverbs

#### Creative Writing

- Letter
- Personal recount
- News report
- Essay
- Summarizing the main idea

## **Mathematics**

### **Numbers**

- Recognizing, Comparing & ordering numbers up to 100,000
- Place values and decimals
- Rounding and estimating to the nearest 100 and 1000
- Word problems single-step (all four operations)
- Word problems two-step (addition & subtraction)
- Factors and Multiples
- Addition, subtraction, multiplication and division using decimal numbers

### **Fractions and Decimals**

- Types of Fractions
- Equivalents
- Reducing fractions into simplest form
- Converting fractions into decimals
- Comparing fractions

### **Ratio and proportions**

- Solving simple problems and word problems involving ratio and direct proportion.

### **Percentages**

- Find percentages of amounts and shapes

### **Length, mass and capacity**

- Converting smaller metric units into larger ones (Kilometers, meters, Liters, milliliters, kilograms and grams)
- Understand metric units and use these to perform simple calculations
- Arranging measurements into a sequence with units

### **Geometry**

- Properties of 2-D and 3-D shapes
- Nets of 3D shapes
- Plotting Coordinates

### **Length, area and perimeter**

- Finding perimeter of given figures in cm & m
- Finding area of given figures in  $\text{cm}^2$  &  $\text{m}^2$

### **Angles in a Triangle**

- Properties of a triangle
- Recognizing angles ( right angles, acute and obtuse angles)
- Calculating missing angles in a triangle

## Science

- **Humans and animals** (Body organs, digestive system, lungs and breathing, heart and circulatory system, Cells, tissues and Organs)
- **Living things in the environment** (Food chains in a local and different habitat, Deforestation, Air pollution, Acid rain, Consumers, Producers, predators and prey, Plants, Grouping and Identifying organisms, life cycle, Pollinators, Adaptions)
- **Electricity** (Electrical conductors and insulators, circuit symbols and diagrams, metals and alloys)
- **Forces and Magnetism** (Mass and weight, forces and energy, effects of energy)
- **States of matter** (Water cycle, evaporation and condensation, how to purify water)
- **Material and their Properties**

## Urdu

تفہیم	اردو گرامر:
تخلیقی تحریر:	واحد کے جمع
درخواست نویسی	الفاظ متضاد، الفاظ مترادف
خط نویسی	اسم خاص اور اسم عام میں امتیاز کرنا، اسم نکرہ و معرفہ، اسم ضمیر
کہانی	سابقہ لاحقے
مضمون نویسی	فعل، فاعل، مفعول، اسم، جملے زمانے کے مطابق تبدیل کرنا، فعل امر و نہی کے جملے بنانا
	استفہامیہ اور واوین کا استعمال
	حروف عطف
	محاورے، مرکب جملے بنانا
	جملوں کی درستگی
	قوسین
	مذکر مونث
	حرف کی پہچان اور استعمال
	ایک سے پچاس تک الفاظ اور ہندسوں میں اردو گنتی