

### Secondary Section: Grade V

According to AIS Admission Policy, at around 10 years of age, your child is suitable to be admitted in Grade V 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

#### Language Skills

- Speak with clarity
- Read the given text independently with fluency and intonation
- Recite short rhymes /poem with correct pronunciation, intonation and confidence

#### Comprehension

#### Grammar

- Verb Tenses
- Forms of Sentences
- Parts of Speech(Nouns, Propositions, Interjections, Adverbs, Adverbial phrases and clauses, Pronouns, Verb tenses and gerunds, Conjunctions, Adjectives, Adjectival phrases and clauses)
- Direct and Reported speech
- Punctuation (Full stop, Comma, Semicolon, Colon, Question mark, Exclamation mark, Speech marks and Apostrophes)

#### Vocabulary

- Proverbs
- Synonyms/Antonyms

#### Creative Writing

- Descriptive and Narrative
- Personal Recount Essay
- Biography

### Mathematics

#### Numbers:

- Recognizing, Comparing & ordering numbers up to 10,000
- Addition and subtraction within 10,000
- Rounding numbers with decimal places to the nearest whole number
- Understand percentages as part of 100 and find simple percentages of quantities.
- Multiples and factors

- Multiply two digit numbers by two digit numbers
- Multiply and divide three digit numbers by single digit number
- Word problems single-step (all four operations)
- Word problems two-step (addition & subtraction)

### **Fractions**

- Equivalent fractions
- Comparing and ordering fractions
- Addition & subtraction of fractions
- Finding simple fractions of quantities.

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

- Converting smaller metric units into larger ones (Kilometres, metres, Litres, millilitres, kilograms and grams)
- Understand metric units and use these to perform simple calculations
- Arranging measurements into a sequence with units

### **Time**

- Telling time
- Conversion of hours and minutes
- Calculating time interval

### **Temperature**

- Calculate rise and fall of temperature
- Difference between positive and negative integers

### **Angles**

- Identify, estimate the size and classify angles as right, acute and obtuse .

### **Area & Perimeter**

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

## **Science**

- **Habitat** (food chains, causes of deforestation, types of pollution and their effects)
- **Human Body** (types of skeleton, joints, muscles and tendons)
- **Friction** (air resistance, water resistance, factors affecting resistance, ways to reduce friction)
- **Heat** (conductors and insulators)
- **Matter** (states of matter, reversible and irreversible changes, solutions)
- **Plants** (photosynthesis, reproduction in plants, types of pollination, parts of a plant)

## Urdu

اردو گرامر:

مذکر کے مونث

واحد کے جمع

الفاظ متضاد

الفاظ مترادف

زمانے کے لحاظ سے فعل کی اقسام

اسم نکرہ و معرفہ، اسم ضمیر، فعل، فاعل، مفعول، اسم فاعل

حرف کی پہچان اور استعمال

مہینوں کے نام

۱۰ پیشوں اور ۱۰ رشتوں کے نام

ایک سے پچاس تک الفاظ اور ہندسوں میں اردو گنتی

تفہیم

تخلیقی تحریر:

تصویر کشی

درخواست نویسی

خط نویسی

کہانی

مضمون نویسی