

## **Syllabus For Entrance Exams**

### **Standard VIII**

#### **ENGLISH**

- 1] Two unseen comprehension passages.
  - 2] One composition on any given topic.
  - 3] Grammar - identification of the parts of speech ( noun, verb, adjective, adverb, preposition, conjunction ), kinds of nouns, kinds of adjectives, tenses, agreement of the verb with the subject, active and passive voice, reported speech.
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#### **SCIENCE**

##### Chapter 1: Nutrition in plants

Mode of nutrition, Photosynthesis, Modes of nutrition, Saprotrophs, Symbiotic relationship  
How nutrients are replenished in the soil

##### Chapter 2: Nutrition in Animals

Digestion in humans, Different parts of digestive system, Digestion in grass eating animals

##### Chapter 3: Soil

##### Chapter 4: Heat

Measuring temperature, Clinical thermometer, laboratory thermometer, Transfer of heat  
Kinds of clothes we wear in winter and summer

##### Chapter 5: Acids, Bases and Salts

Acids and bases, Neutralisation, Neutralisation in everyday life

##### Chapter 6: Physical and Chemical Changes

Chemical change, Rusting of iron

##### Chapter 8: Winds, Storms and Cyclone

Uneven heating of land and water

Chapter 10: Respiration in Organisms

Why do we respire? How do we breathe?, Breathing in plants

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Chapter 12: Reproduction in plants

Modes of reproduction, asexual reproduction, Sexual reproduction, Pollination, fertilization

Chapter 13: Motion and time

Speed and its units, Measurement of time, Breathing in other animals, plants

Chapter 11: Transportation in Animals and Plants

Blood, Heart, Heartbeat, Excretion in Animals, Transpiration

Chapter 15: Light

Playing with spherical mirrors, Images formed by lenses

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## **MATHEMATICS**

- 1] Operations of rational numbers.
- 2] Algebraic expression operations.
- 3] Linear equations on one variable.
- 4] Conversion of measurements of length, mass, volume.
- 5] Indices (Exponents and radicals)
- 6] Average, Profit, Loss, Percentage, Simple interest.
- 7] Ratio and proportional
- 8] Properties of parallel lines and it's applications
- 9] Pythagoras theorem
- 10] Area and perimeter of square, rectangle and circle
- 11] Congruent triangles
- 12] Angle sum property and exterior angle property of triangle.