

ISFO SYLLABUS

Science

(Grade - 1 to 10)



Empowering children to become
Global Olympiad Champions

Science

Grade -1

Section 1: Scientific Reasoning & Section 2: Everyday Science

- Living and Non- living things, Plants and Animals, Food, Human Body, Clothes and Food, Our Family and Surroundings, Sky, weather and season, Good habits and Safety Rules

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade -2

Section 1: Scientific Reasoning & Section 2: Everyday Science

- Living and Non- living things, Plants and Animals, Food, Human Body, Housing and Clothing, Family and Festivals, Water Air Weather and Season, Occupations and Surroundings, Transportation and Communication, Earth and Universe, Good habits and Safety Rules

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade -3

Section 1: Scientific Reasoning & Section 2: Everyday Science

- Animal around Us, Plant around us, Human Body, Soil, Natural resource, Matter and materials, Earth and the universe, Light, Sound and Force

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade -4

Section 1: Scientific Reasoning & Section 2: Everyday Science

- Animal adaptation, Plant adaptation, Human Body and Food, Matter and materials, Earth and the universe, Our environment, Force and Energy, Measurement

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade - 5

Section 1: Scientific Reasoning & Section 2: Everyday Science

- Human body and nutrition, Plant bacteria and fungi, Animal Kingdom, Soil rocks and minerals, Natural calamity, Air water and environment, Work, force energy and simple machine, Light and sound and Matter

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade - 6

Section 1: Scientific Reasoning & Section 2: Everyday Science

- Cells- The building block of life, Plant transport system, Heredity and reproduction, Organisms and their environment, Garbage in garbage out, The electrical system, Light, shadow and reflection, Fun with magnets, From fibre to fabric, Sorting and separation of materials

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade - 7

Section 1: Scientific Reasoning & Section 2: Everyday Science

- Nutrition in plants and animals, weather, climate and adaptations of animals to climate, Natural resources and their conservation, Respiration in organism, Reproduction in plants, transportation in plants and animals, Heat, Motion and Time, Electric current and its effect, Light Wind storms and cyclones, Acid bases and salt, physical and chemical changes

Section 3: Logical Reasoning

- Verbal and Non- verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade - 8

Section 1: Scientific Reasoning & Section 2: Everyday Science

- Crop Production and Management, Microorganisms, Conservation of Plants and Animals, Cell-structure and function, Reproduction and endocrine System, Pollution of air and water, Force and Pressure, Friction, Sound, light, some natural phenomenon, chemical effect of electric current, Synthetic fibres and Plastics, coal and petroleum, metals & non-metals, and combustion & flame

Section 3: Logical Reasoning

- Verbal and Non-verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade - 9

Section 1: Scientific Reasoning & Section 2: Everyday Science

- Tissues, Diversity in living organism, Why do we fall ill, Natural Resources, Improvement in Food Resources, Force and law of motion, Gravitation, Work and energy, Sound, All about matters, and Atoms and molecules

Section 3: Logical Reasoning

- Verbal and Non-verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2

Grade - 10

Section 1: Scientific Reasoning & Section 2: Everyday Science

- Life process, Reproduction in organisms, Heredity and evolution, Our environment and its management, Light- Reflection and Refraction, The physiology of human eye, Magnetic effects of electric Current, Electricity, Sources of energy, Chemical reactions and equations, Acids, Bases and Salts, metals and non-metals, Carbon and its compounds and Periodic classification of elements

Section 3: Logical Reasoning

- Verbal and Non-verbal reasoning. This section includes topics like- blood relation, coding-decoding, direction sense test, number series, alphabet series, problem solving based on pictures, diagrams and shapes, classification (odd one out), images, matrix, spotting out the embedded figure, clock and calendar.

Section 4: Brainbox

- Higher Order Thinking Questions - from Sections 1 & 2