SCIENCE SYLLABUS

Class – 6

6th Class Science Syllabus – An Overview

Syllabus for Class 6 Science introduces students to a variety of fundamental concepts across different branches of science, including physics, chemistry, biology, and environmental science. Here's a detailed breakdown of the topics and sub-topics covered in the Class 6 Science syllabus:.

Here our chapters for ITSE Examination :-

Chapter 1. Food: Where does it Come From ?

Chapter 2. Components of Food

Chapter 3. Fibre to Fabric

Chapter 4. Separation of Substances

Chapter 5. Changes around us

Chapter 6. Getting to know Plants

Chapter 7. **Body Movements**

Chapter 8. Motion and Measurements of Distances

Chapter 9. Light , Shadows and Reflections

Chapter 10. Electricity and Circuits

Chapter 11. Fun with Magnets

Chapter 12. Water

Chapter 13. Air around us

Chapter - 1 (Food: Where does it Come From ?)

Topics and Sub- Topics:

- **Sources of Food:** Plants and animals as primary sources of food.
- **Food Variety:** Different food items and ingredients.
- **Plant Parts and Animal Products as Food:** Edible parts of plants (roots, stems, leaves, fruits) and animal products.
- **Food Habits of Animals:** Herbivores, carnivores, and omnivores.

Chapter - 2 (Components of Food)

Topics and Sub-topics:

- **Nutrients:** Carbohydrates, proteins, fats, vitamins, and minerals.
- **Balanced Diet:** Importance of a balanced diet.
- **Deficiency Diseases:** Diseases caused by the lack of various nutrients.

Chapter - 3 (Fibre to Fabric)

Topics and Sub-topics:

- **Plant Fibres:** Cotton, jute, and their processing.
- **Animal Fibres:** Wool, silk, and their sources.
- **Fabric Production:** From yarn to fabric – weaving and knitting.

Chapter – 4 (Separation of Substances)

Topics and Sub-topics:

- **Methods of Separation:** Handpicking, threshing, winnowing, sieving, sedimentation, decantation, filtration, evaporation.
- **Applications in Daily Life:** Use of separation methods in practical scenarios.

Chapter - 5 (Changes around us)

Topics and Sub-topics:

- **Types of Changes:** Reversible and irreversible changes.
- **Examples of Changes:** Melting, freezing, boiling, evaporation, condensation, burning.

Chapter - 6 (Getting to know Plants)

Topics and Sub-topics:

- **Types of Plants:** Herbs, shrubs, and trees.
- **Parts of a Plant:** Roots, stems, leaves, flowers, and their functions.
- **Structure of Flower:** Parts of a flower and their roles in reproduction.

Chapter – 7 (Body Movements)

Topics and Sub-topics:

- **Human Body:** Structure and function of bones and muscles.
- **Joints:** Types of joints and their movements.
- **Movement in Animals:** Different modes of movement in animals (walking, flying, swimming).

Chapter - 8 (Motion & Measurements of Distances)

Topics and Sub-topics:

- **Concept of Motion:** Types of motion (rectilinear, circular, periodic).
- **Measurement:** Standard units of measurement, measuring length using standard tools
- **Historical Perspective:** Ancient ways of measuring distances.

Chapter - 9 (Light , Shadows and Reflections)

Topics and Sub-topics:

- **Light:** Sources of light, natural and artificial sources.
- **Shadows:** Formation and characteristics of shadows.
- **Reflections:** Plane mirrors and the concept of reflection.

Chapter - 10 (Electricity and Circuits)

Topics and Sub-topics:

- **Electricity:** Introduction to electricity, electric cells, and batteries.
- **Electric Circuits:** Components of an electric circuit, open and closed circuits.
- **Conductors and Insulators:** Materials that conduct and insulate electricity.

Chapter - 11 (Fun with Magnets)

Topics and Sub-topics:

- **Magnets and Magnetism:** Natural and artificial magnets, magnetic poles, and their interactions.
- **Properties of Magnets:** Attraction and repulsion, magnetic field, and lines of force.
- **Uses of Magnets:** Applications of magnets in daily life and technology.

Chapter - 12 (Water)

Topics and Sub-topics:

- **Sources of Water:** Natural sources of water and water bodies.
- **Water Cycle:** Processes of evaporation, condensation, and precipitation.
- **Water Conservation:** Importance of saving water and methods to conserve it.

Chapter - 13 (Air around us)

Topics and Sub-topics:

- **Composition of Air:** Major components and their importance.
- **Properties of Air:** Air exerts pressure, occupies space, and is essential for life.
- **Air Pollution:** Causes and effects of air pollution, and ways to reduce it.