

SCIENCE SYLLABUS

Class – 3

3rd Class Science Syllabus – An Overview

In Class 3, the NCERT syllabus for Environmental Studies (EVS) continues to integrate science with a broad understanding of the environment, everyday life, and social studies. The topics are designed to introduce young learners to basic scientific concepts while encouraging observation, exploration, and inquiry. Here's a detailed breakdown of the topics and sub-topics covered in the NCERT EVS syllabus for Class 3, with a focus on science-related aspects:

Here our chapters for ITSE Examination :-

Chapter 1. Family and Friends

Chapter 2. Our Body and Health

Chapter 3. Food and Nutrition

Chapter 4. Animals around us

Chapter 5. Plants around us

Chapter 6. Shelter

Chapter 7. Travel and Transport

Chapter 8. Water

Chapter 9. Things we make and Do

Chapter 10. The Earth and The Sky

Chapter 11 . Natural Resources

Chapter 12 . Light , Sound and Force

Chapter - 1 (Family and Friends)

Topics and Sub- Topics:

- **Family Types and Relationships:**

- Different types of families (nuclear, joint, extended).
- Roles and relationships within a family.

- **Our Friends and Pets:**

- Importance of friends in our lives.
- Common pets and their care.

Chapter - 2 (Our Body and Health)

Topics and Sub-topics:

- **Body Parts and Functions:**

- Major parts of the body (internal and external).
- Basic understanding of the skeletal and muscular systems.

- **Healthy Habits:**

- Importance of hygiene (brushing teeth, washing hands).
- Benefits of regular exercise and balanced diet.

- **Personal Safety:**

- Basic safety rules at home, school, and on the road.
- Understanding and avoiding common hazards.

Chapter - 3 (Food and Nutrition)

Topics and Sub-topics:

- **Sources of Food:**

- Food from plants (fruits, vegetables, grains).
- Food from animals (milk, meat, eggs).

- **Food Groups and Balanced Diet:**

- Basic food groups (carbohydrates, proteins, fats, vitamins, minerals).
- Importance of a balanced diet and healthy eating habits.

- **Cooking and Eating Practices:**

- Simple methods of cooking and preserving food.
- Cultural diversity in food and eating habits.

Chapter – 4 (Animals around us)

Topics and Sub-topics:

- **Types of Animals:**

- Domestic animals (pets, farm animals) and wild animals.
- Characteristics of different animals (mammals, birds, reptiles, fish, insects).

- **Animal Behaviour and Adaptation:**

- How animals adapt to their environments (camouflage, migration).
- Basic understanding of animal habitats and behaviours.

- **Care and Protection of Animals:**

- Importance of caring for pets and domestic animals.
- Conservation of wildlife and protection of endangered species.

Chapter - 5 (Plants around us)

Topics and Sub-topics:

- **Parts of a Plant:**
 - Basic parts (roots, stem, leaves, flowers, fruits, seeds).
 - Functions of each part (roots absorb water, leaves make food through photosynthesis).
- **Types of Plants:**
 - Different types of plants (trees, shrubs, herbs, climbers, creepers).
 - Identifying common plants and their characteristics.
- **Plants and Their Uses:**
 - Plants as sources of food, medicine, and materials.
 - Role of plants in the environment (providing oxygen, habitats).

Chapter - 6 (Shelter)

Topics and Sub-topics:

- **Types of Houses:**
 - Different types of homes (huts, apartments, bungalows).
 - Materials used for building houses (wood, brick, steel).

- **Homes Around the World:**
 - Comparing homes in different regions and climates.
 - Traditional and modern houses.

- **Building a House:**
 - Basic process of building a house.
 - Roles of different workers in construction (architects, masons, carpenters).

Chapter – 7 (Travel and Transport)

Topics and Sub-topics:

- **Modes of Transport:**
 - Different types of transport (land, water, air).
 - Examples of vehicles for each mode (cars, boats, airplanes).

- **History of Transport:**
 - Evolution of transportation methods over time.
 - Impact of transport on human life and the environment.

- **Safety in Transport:**
 - Basic road safety rules.
 - Safe behaviour while traveling.

Chapter - 8 (Water)

Topics and Sub-topics:

- **Sources of Water:**

- Natural sources (rivers, lakes, oceans, rain).
- Man-made sources (wells, taps, reservoirs).

- **Water Cycle:**

- Basic understanding of the water cycle (evaporation, condensation, precipitation).
- How the water cycle supports life on Earth.

- **Uses and Conservation of Water:**

- Everyday uses of water (drinking, cooking, cleaning).
- Simple ways to conserve water (fixing leaks, using water wisely).

- **Water Pollution:**

- Causes and effects of water pollution.
- Ways to prevent and reduce water pollution.

Chapter - 9 (Things we Make and Do)

Topics and Sub-topics:

- **Crafts and Building:**

- Simple craft projects using different materials.
- Building models or structures (using blocks, recycled materials).

- **Tools and Machines:**

- Basic tools (hammer, scissors, glue) and their uses.
 - Simple machines in everyday life (levers, pulleys).
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- **Exploring Creativity:**
 - Encouraging creativity in making and building.
 - Importance of planning and teamwork in projects.

Chapter – 10 (The Earth and The Sky)

Topics and Sub-topics:

- **Earth and Its Features:**
 - Understanding basic geographical features (mountains, rivers, deserts, oceans).
 - Simple map reading and direction (north, south, east, west).

- **Day and Night:**
 - Explanation of day and night cycle.
 - Basic introduction to the concept of time zones.

- **The Sky and Celestial Bodies:**
 - Identifying the sun, moon, and stars.
 - Basic understanding of weather and seasonal changes.

Chapter – 11 (Natural Resources)

Topics and Sub-topics:

- **Types of Natural Resources:**
 - Renewable and non-renewable resources (water, air, soil, minerals).
 - Examples and uses of different resources.

- **Conservation of Resources:**
 - Importance of conserving natural resources.
 - Simple ways to conserve resources (recycling, reducing waste).

- **Impact of Human Activities:**
 - How human activities affect natural resources.
 - Ways to reduce negative impacts on the environment.

Chapter – 12 (Light , Sound and Force)

Topics and Sub-topics:

- **Sources of Light:**
 - Natural sources (sun, fire) and artificial sources (bulbs, candles).
 - Understanding light and shadows.

- **Sounds Around Us:**
 - Different types of sounds (loud, soft, musical, noise).
 - How sound is produced and how we hear.

- **Force and Motion:**
 - Basic understanding of force and its effects (pushing, pulling).

- Observing how objects move (rolling, sliding).