



GENRES LEARNING

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**CLASS 6
SCIENCE
SYLLABUS
2022-23**



GENRES LEARNING

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SYLLABUS

CHAPTER-1: FOOD: WHERE DOES IT COME FROM?

- 1.1. Food Variety
- 1.2. Food Materials and Sources
- 1.3. Plant Parts and Animal Products as Food
- 1.4. What Do Animals Eat?

CHAPTER-2: COMPONENTS OF FOOD

- 2.1 What Do Different Food Items Contain?
 - 2.1.1. Test for Starch
 - 2.1.2. Test for Protein
 - 2.1.3. Test for Fats
- 2.2 What Do Various Nutrients Do for Our Body?
- 2.3 Balanced Diet
- 2.4 Deficiency Diseases

CHAPTER-3: FIBRE TO FABRIC

- 3.1 Variety in Fabrics
- 3.2 Fibre
- 3.3 Some Plant Fibres
 - 3.3.1. Cotton
 - 3.3.2. Jute
- 3.4 Spinning Cotton Yarn
- 3.5 Yarn to Fabric
 - 3.5.1. Weaving
 - 3.5.2. Knitting
- 3.6 History of Clothing Material

CHAPTER-4: SORTING MATERIALS INTO GROUPS

- 4.1 Objects around us
- 4.2 Properties of Materials
 - 4.2.1. Appearance
 - 4.2.2. Hardness
 - 4.2.3. Soluble or Insoluble?
 - 4.2.4. Objects may float or sink in water?
 - 4.2.5. Transparency

CHAPTER-5: SEPARATION OF SUBSTANCES

5.1 Methods of Separation

- 5.1.1. Handpicking
- 5.1.2. Threshing
- 5.1.3. Winnowing
- 5.1.4. Sieving
- 5.1.5. Sedimentation, Decantation and Filtration
- 5.1.6. Evaporation
- 5.1.7. Use of more than one method of separation
- 5.1.8. Can water dissolve any amount of a substance?

CHAPTER-6: CHANGES AROUND US

- 6.1. Can All Changes Always Be Reversed?
- 6.2. Could There Be Other Ways to Bring A Change?

CHAPTER-7: GETTING TO KNOW PLANTS

- 7.1 Herbs, Shrubs and Trees
- 7.2 Stem
- 7.3 Leaf
- 7.4 Root
- 7.5 Flower

CHAPTER-8: BODY MOVEMENTS

- 8.1 Human Body and Its Movements
 - 8.1.1. Ball and socket joints
 - 8.1.2. Pivotal Joint
 - 8.1.3. Hinge joints
 - 8.1.4. Fixed joints
- 8.2 Gait of Animals
 - 8.2.1. Earthworm
 - 8.2.2. Snail
 - 8.2.3. Cockroach
 - 8.2.4. Birds
 - 8.2.5. Fish
 - 8.2.6. How do Snakes moves?

CHAPTER-9: THE LIVING ORGANISMS-CHARACTERISTICS AND HABITATS

9.1. Organisms and The Surroundings Where They Live

9.2. Habitat and Adaptation

9.3. A Journey Through Different Habitats

9.3.1. Some Terrestrial Habitats

- Deserts
- Mountain Regions
- Grasslands

9.3.2. Some Aquatic Habitats

- Oceans
- Ponds and Lakes

9.4. Characteristics of Organisms

9.3.3. Do All Organisms Need Food?

9.3.4. Do All Organisms Show Growth?

9.3.5. Do All Organisms Breathe?

9.3.6. Do All Organisms Respond to Stimuli?

9.3.7. Living Organisms and Excretion

9.3.8. Do All Organisms Reproduce Their Own Kind?

9.3.9. Do All Organisms Move?

9.3.10. “What Then Is Life?”

CHAPTER-10: MOTION AND MEASUREMENT OF DISTANCES

10.1 Story of Transport

10.2 How Wide Is This Desk?

10.3 Some Measurements

10.4 Standard Units of Measurements

10.5 Correct Measurement of Length.

10.6 Measuring the Length of a Curved Line

10.7 Moving Things Around Us

10.8 Types of Motion

CHAPTER-11: LIGHT, SHADOWS AND REFLECTIONS

11.1. Transparent, Opaque and Translucent Objects

11.2. What Exactly Are Shadows?

11.3. A Pinhole Camera

11.4. Mirrors and Reflections

CHAPTER-12: ELECTRICITY AND CIRCUITS

- 12.1 Electric Cell
- 12.2 A Bulb Connected to An Electric Cell
- 12.3 An Electric Circuit
- 12.4 Electric Switch
- 12.5 Electric Conductors and Insulators

CHAPTER-13: FUN WITH MAGNETS

- 13.1 Magnetic and Non-Magnetic Materials
- 13.2 Poles of Magnet
- 13.3 Finding Directions
- 13.4 Make Your Own Magnet
- 13.5 Attraction and Repulsion Between Magnets

CHAPTER-14: WATER

- 14.1 How Much Water Do We Use?
- 14.2 Where Do We Get Water From?
- 14.3 Water Cycle
 - Disappearing Trick of Water
 - Loss of Water by Plants
 - How Are Clouds Formed?
- 14.4 Back to The Oceans
- 14.5 What If It Rains Heavily?
- 14.6 What Happens If It Does Not Rain for A Long Period?
- 14.7 How Can We Conserve Water?
- 14.8 Rainwater Harvesting

CHAPTER-15: AIR AROUND US

- 15.1. Is Air Present Everywhere Around Us?
- 15.2. What Is Air Made Up Of?
 - Water Vapour
 - Oxygen
 - Nitrogen
 - Carbon Dioxide
 - Dust and Smoke
- 15.3. How Does Oxygen Become Available to Animals and Plants Living in Water and Soil?
- 15.4. How Is the Oxygen in The Atmosphere Replaced?

CHAPTER-16: GARBAGE IN, GARBAGE OUT

- 16.1. Dealing with Garbage
- 16.2. Vermicomposting
- 16.3. Think and Throw
- 16.4. Recycling of Paper
- 16.5. Plastics – Boon or A Curse?

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