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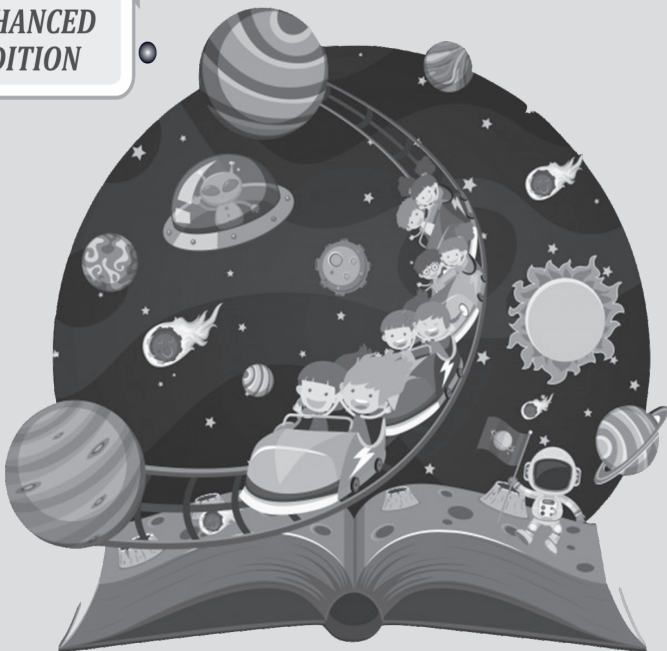
DISCOVERY

SCIENCE

Teacher Manual.

NEP 2020

ENHANCED
EDITION



CLASS-1

CHAPTER 1 Our Surroundings

- A** 1. (a) Trees 2. (b) our surroundings
3. (c) Both (a) and (b)
- B** 1. surroundings 2. dustbin
3. water bodies 4. fresh and clean
- C** 1. True 2. True 3. False 4. False 5. True
- D** 1. The place and the condition we live in is called our surroundings.
2. To keep our surroundings clean-we should throw waste in dustbins, reduce use of plastic bags, plant more trees and should not waste paper.
3. We should grow more plants and trees because they keep the air clean and fresh.

HOTS

We should not waste paper because paper is made by cutting trees and trees are important for us as they make our surroundings fresh and clean.

Let's Enjoy

- A** Do yourself.
- B** F Throw waste in dustbins.
F Do not throw plastic bags in water bodies.
F Use jute bags instead of plastic bags.
F Plant more and more trees.
F Do not waste paper.

CHAPTER 2 Living and Non-Living Things

- A** 1. (a) Girl 2. (a) plant 3. (a) animal
- B** 1. False 2. True 3. True 4. True
- C** 1. living 2. natural 3. air 4. eat
5. Birds
- D** **Living things** **Non-living things**
Plant Ball
Cow Doll
Men Car
- E** 1. The things that have life are called living things.

2. The things that have no life are called non living things.
3. Natural things are made by God whereas man made things are made by man.
4. (a) Human beings (b) Animals
5. (a) Ball (b) Chair

HOTS

The pencil I am using is a non living thing and I am a living thing.

Let's Enjoy

1. M
2. N
3. M
4. M
5. M
6. N
7. N
8. N

CHAPTER 3 Plants Around Us

- A**
1. (b) Money plant
 2. (c) Both (a) and (b)
 3. (c) Tulsi
 4. (a) Cactus
- B**
1. False
 2. True
 3. True
 4. False
- C**
1. flower
 2. straight
 3. air
 4. green
- D**
1. The big and strong plants are called trees.
For example - Mango Tree
 2. (a) Cotton (b) Rose
 3. Plants which are not tall but strong are called shrubs. For example- Brinjal, Sunflower etc.
 4. The different parts of a plant are-
 - Roots
 - Stem
 - Leaf
 - Branches
 - Flowers
 - Fruits

HOTS

The stem of the tree is called trunk.

Let's Enjoy

Trees	Climbers	Thorny Plants
Banyan	Grapevine	Rose
Mango	Money Plant	Lemon
Palm	Pea Plant	Cactus
Ashoka	Bean	Keekar

Life Skill

1. Pulses
2. Fruits
3. Vegetables
4. Dry fruits (seeds)
5. Cereals

CHAPTER 4
Food from Plants

- A** 1. (b) Plants 2. (c) Potato 3. (a) Wheat 4. (c) Egg

B **Column A**

Column B

1. Cereal
2. Fruit
3. Vegetable
4. Pulse



- C** 1. pulses 2. fruits 3. coffee 4. Onion 5. Rice

- D** 1. • Pulses • Fruits • Vegetables
2. (a) Mango (b) Apple
3. (a) Pea (b) Gram
4. (a) Potato (b) Tomato

HOTS

- A** 1. Plastic 2. Metals 3. Clothes 4. Jewellery
5. Electricity

B Plants are living things because they have life.

Let's Enjoy

- A** 1. Apple 2. Banana 3. Mango 4. Grapes 5. Papaya

B Do it yourself.

Life Skill

Plants grow by making their own food with the help of air, water and sunlight. We eat certain parts of plants as our food like flower, stems, leaves, roots in the form of vegetables, cereals, pulses, fruits etc.

CHAPTER 5
Animals Around Us

- A** 1. (a) Dog 2. (c) Cow
3. (c) Spider 4. (a) Ostrich

- B** 1. True 2. True 3. False 4. True 5. True

- C** 1. water 2. wings 3. fly 4. domestic

- D** 1. (a) Elephant (b) Camel
2. The animals that live near or in our homes are called domestic animals.

For example – Dogs and Cats.

- Birds fly with their wings. For example crow, sparrow, pigeon, eagle, humming bird, owl, parrot etc.
- The insects have six legs.

HOTS

- A** The animals that can live both on land and water are called amphibians.
B Lizard is a reptile animal.

Let's Enjoy

- A** Do it yourself.
B 1. Parrot (colour yourself) 2. Lion (colour yourself)
C Do it yourself.

Life Skill

Lizard is a reptile animal.

CHAPTER 6

Homes and Food of Animals

- A** 1. (c) Both (a) and (b) 2. (c) Goat
 3. (b) Cow 4. (a) Birds 5. (b) pet animals
- B** **Column A** **Column B**
 1. Hen (d) Coop
 2. Lion (c) Den
 3. Horse (e) Stable
 4. Dog (a) Kennel
 5. Cow (b) Shed
- C** 1. burrow 2. bee 3. Ant 4. trees
- D** 1. Most of the animals live in the forest.
 2. The animals also need home to protect themselves from cold, heat, wind, rain and from their enemies.
 3. (a) Horse (b) Rabbit (c) Cow
 4. (a) Hen (b) Squirrel

HOTS

Do it yourself.

Let's Enjoy

Do it yourself.

Life Skill

Do it yourself.

CHAPTER 7

Part of Our Body

- A** 1. (a) clean 2. (a) Five 3. (b) hear
 4. (b) twice 5. (a) eating

B 1. feel 2. comb 3. teeth 4. soap 5. bite

C **Column A** **Column B**

- | | | |
|-----------|-----|-------|
| 1. Eyes | (c) | see |
| 2. Ears | (e) | hear |
| 3. Tongue | (d) | taste |
| 4. Nose | (b) | smell |
| 5. Skin | (a) | feel |

- D**
- Mouth 2. Teeth 3. Hands 4. Legs
 - Head
 - Teeth help us to chew our food properly.
 - We have five sense organs.
 - (a) Write (b) Eat

HOTS

Ice cream temperature is low and is cold. Therefore, when we eat ice-cream we feel cold in our mouth.

Let's Enjoy

- A**
- | | | | |
|---------|-------------|-----------|---------|
| 1. Eyes | 2. Shoulder | 3. Tongue | 4. Knee |
| 5. Foot | 6. Head | 7. Nose | |

B We should keep our body neat and clean because it reduces danger of getting ill. If we keep clean ourselves, we stay away from germs. We can also make more friends if we keep ourself clean because everyone gets attracted to clean people.

Life Skill

When our mother makes our favourite dish in the kitchen we feel loved and excited to have the dish.

CHAPTER 8

The Food We Eat

A 1. (a) healthy (c) wash (a) energy-giving food

B 1. True 2. True 3. False 4. True

C 1. plants 2. diseases 3. Eggs 4. night

- D**
- Food is important for our living and growth.
 - The body building food helps us to grow taller and stronger.
 - The food that we eat at a fixed time everyday is called a meal.
 - We should wash fruits and vegetables before eating them as this makes them free from germs.

HOTS

We get our food from plants and animals.

Let's Enjoy

Breakfast

Egg
Jam
Milk
Bread

Dinner

Rice
Chapati
Vegetables
Fish

CHAPTER 9

Our Clothes and Houses

- A** 1. (c) rainy 2. (a) summer
3. (b) sheep
- B** 1. house 2. weather 3. clean 4. cotton
5. kitchen
- C** 1. Clothes protect us from heat, cold, wind and rain.
2. We get cotton from the cotton plant.
3. We all need a house to live in.
4. The house in which we live with our family is our home.

HOTS

Early man covered their bodies with the help of animal skins and leaves available in the forest.

Let's Enjoy

Do it yourself.

CHAPTER 10

Keeping Safe and Healthy

- A** 1. (b) wait 2. (b) footpath
3. (b) sharp objects
- B** 1. traffic rules 2. run
3. footpath 4. queue 5. road
- C** Do it yourself.
- D** 1. True 2. False 3. False 4. False
- E** 1. The black and white lines on road used to cross roads is called zebra crossing.
2. F Do not fight with others.
F Do not litter.
3. F Brush your teeth twice a day.
F Throw waste into the dustbin.

HOTS

The black and white stripes used for crossing the road is called zebra crossing because they look similar to the stripes of zebra that are white and black in colour.

Let's Enjoy

Do it yourself.

CHAPTER 11 Air Around Us

- A** 1. (b) feel 2. (c) breathe
- B** 1. True 2. False 3. False 4. True
5. True
- C** 1. All living things need air to breathe and stay alive.
2. Air has weight because the ball bladder filled with air has more weight than empty ball bladder.
3. F Air helps to dry clothes.
F All living things need air to breathe.

HOTS

- A** Animals in water breathe in air with the help of lungs.
- B** We would like to fly a kite on a windy day because wind will help to move the kite in air.

Let's Enjoy

- A** Do it yourself.
- B** Do it yourself.

CHAPTER 12 Water

- A** 1. (a) rain 2. (c) Sea 3. (c) making food
- B** 1. False 2. True 3. False 4. True
5. True
- C** 1. We get water from rain.
2. Plants need water to make food.
3. Animals need water for drinking and bathing.
4. Drinking dirty water can make us fall ill.
- D** 1. Drinking 2. Washing clothes and utensils
3. Bathing 4. Cooking
5. Cleaning our brushes after painting
6. For putting out a fire

HOTS

- A** Cactus
B Camel

Let's Enjoy

Do it yourself.

CHAPTER 13
Daily Weather

- A** 1. (a) Sunny days 2. (a) Rainbow
 3. (b) raincoat
- B** 1. cool 2. strong 3. sunny 4. raincoats
- C** 1. True 2. False 3. True 4. False
 5. True
- D** 1. (d) 2. (c) 3. (b) 4. (a)
- E** Do it yourself.
- F** 1. The different types of weather are:
 F Sunny day
 F Rainy day
 F Cold day
 F Windy Day

HOTS

We wear different uniforms in summer and winter because of change in weather. We wear cotton clothes in summer and woolen clothes in winter.

Let's Enjoy

Do it yourself.

CHAPTER 14
Our Beautiful Sky

- A** 1. (b) day 2. (c) Both (a) and (b)
 3. (a) shape 4. (b) round
- B** 1. east 2. night 3. changing 4. huge 5. plants

C	Day Time	Night Time
	1. We see sun in the sky.	1. We see moon in the sky.
	2. We see clouds in the sky during the day.	2. We see stars in the sky at night.
	3. We see birds flying in the sky.	3. We do not see birds in the sky.
	4. The sky appears light blue in colour.	4. The sky appears black in colour.

- D**
1. We see the sun during the day time.
 2. We can see moon and stars in the sky at night.
 3. The sun appears bigger than stars because it is nearer to us than the other stars.

HOTS

The moon does not look same every night. It's shape keeps on changing. Sometimes it is round, sometimes it is half or even smaller. These are called phases of moon.

Let's Enjoy

Do it yourself.

Model Test Paper 1

- A**
1. (a) Animal
 2. (a) Cactus
 3. (c) Spider
 4. (a) Bird
 5. (b) hear
- B**
1. dustbin
 2. green
 3. pulses
 4. domestic
 5. Ants
- C**
1. Animals
 2. Ball
 3. Rose
 4. Mango
- D** Do it yourself.
- E**
1. Burrow
 2. Stable
 3. Den
 4. Shed
 5. Hole
 6. Coop
- F**
1. The plants that are tall and strong are called trees.
 2. Insects have six legs.
 3. Most animals live in the forest.
 4. We have five sense organs.
 5. The things that have life are called living things.

Model Test Paper 2

- A**
1. (b) sheep
 2. (b) footpath
 3. (c) Sea
 4. (a) Sunny days
 5. (a) shape
- B**
1. True
 2. False
 3. False
 4. False
 5. True
- C** Do it yourself.
- D**
1. Winter season
 2. Rainbow
 3. Study Room
 4. Kitchen
- E**
1. Drinking
 2. Bathing
 3. Washing clothes
 4. Cooking
 5. Putting out a fire
- F**
1. The food that we eat at a fixed time everyday.
 2. Air is necessary for all living things to breathe and stay alive.
 3. Plants need water to make food.
 4. We like to drink cold water, as we feel more thirsty during hot days.
 5. Stars look small because they are very far away from us.

DISCOVERY SCIENCE

Interactive Resources

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