



Today SCIENCE

(Teacher Manual)

Class-1



Today Science Class - 1

Chapter - 1 — Living and non-living things

Let's Explore: Ball Frog Bottle Baby

Life Skills — Do it yourself

Revisit and Relearn

- A. 1. (a) Plant 2. (b) umbrella 3. (c) Bat
4. (c) River 5. (c) both (a) and (b)
- B. 1. living 2. can feel 3. natural 4. man 5. can
- C. 1. F 2. T 3. F 4. F 5. F
- D 1. Things that have life in them are called living things.
2. **Living :** Plant, Animals, Human beings
Non Living : Bag, Bottle, Chair
3. Living things can breathe, move and feel whereas non-living things cannot.
4. Natural things – They are found in nature.
Man-made things – They are made by man.
5. Ball is not found naturally so it is a man made thing.

HOTS

It is a non-living thing as it cannot move itself. Someone must have made it move.

Value-Based : A. ✗ B. ✗

Activity: Frog Rock

National Cyber Olympiad Question

- b) They will increase in number

Problem Solving

1. feel 2. non-living thing 3. living thing
4. non-living thing

Critical Thinking

1. Yes 2. No 3. Yes 4. No 5. No
6. Yes 7. Yes

Chapter - 2 — Plants Around Us

Let's Explore

S B S B

Life Skills — Do it yourself

Revisit and Relearn

- A. 1. (c) herb 2. (c) Coriander 3. (b) creeper 4. (a) Root
B. 1. trees 2. shrubs 3. weak 4. leaf 5. trees
C. 1. T 2. T 3. F 4. F

D 1. **Tree** - Big plants are called trees. They are tall and strong. They have hard trunks.

Shrubs - Small plants are called shrubs. They have thin and woody stems.

2. Climbers — Money plant Grapevine
Creepers — Pumpkin plant Watermelon plant
3. Different parts of a plant are:
Roots, Stem, Leaf, Flower, Fruit
4. Plants need air, water, sunlight and soil to grow.
5. Leaves make food for the plant.

HOTS: Butterflies sit on flowers to suck nectar.

Value-Based : A. ✓ B. ✗

Activity — Do it yourself.

National Cyber Olympiad Question :

b) Shrub

Problem Solving

1. trees 2. natural 3. shrubs 4. creepers 5. herbs

Critical Thinking

1. Neem tree Mango tree
2. Lotus Lily
3. Rose Cotton
4. Tulsi Neem

Chapter - 3 — Food from Plants

Let's Explore

- A. 1. Grapes 2. Papaya 3. Pineapple 4. Mango
5. Apples 6. Banana
- B. 1. Carrot 2. Raddish 3. Brinjal 4. Pumpkin
5. Tomato 6. Bottlegourd 7. Potatoes

Research and Discover

Grapes

Life Skills

One Seed

Mango
Cherry
Lychee

Few Seeds

Apple
Orange
Pear

Many Seeds

Watermelon
Papaya
Guava

Revisit and Relearn

- A. 1. stem 2. (c) both (a) and (b) 3. (c) spice
B. 1. plants 2. flower 3. seeds 4. beans
C 1. We eat roots, stems, leaves, seed and fruits of a plant.
2. Cereals — Wheat Barley
Pulses — Moong Masur
3. We add spices to our food to add flavour and taste in our food.
4. We get oil from mustard, groundnut and sunflower.

HOTS : Wheat

Activity — Do it yourself.

National Cyber Olympiad Question : (c) Strawberry

Problem Solving

1. (c) flower 2. (a) seeds 3. (b) stem
4. (f) root 5. (d) leaf 6. (e) fruit

Critical Thinking

1. Sugarcane Potato
2. Carrot Radish
3. Spinach Cabbage
4. Corn Peas
5. Cauliflower Broccoli

Chapter - 4 — Animals Around Us

Let's Explore

Rabbit Lion Monkey Butterfly

Life Skills

No No No

Who am I?

1. Housefly 2. Butterfly

Revisit and Relearn

- A. 1. (b) Giraffe 2. (c) both (a) and (b) 3. (a) Monkey
4. (c) Fish

B. 1. wild 2. Ant 3. two 4. land

C. 1. T 2. T 3. F 4. T

D 1. Tiger, Lion and Giraffe are three wild animals.

2. Animals that live with us in the backyard of our house or in the farms are called domestic animals.

3. Difference between insects and birds

	Birds	Insects
1.	All birds can fly.	All insect cannot fly.
2.	Birds have two legs.	Insects have six legs.

4. Animals live in forest and farms.

Animals living in forest are lion and tiger.

Animals living in farms are cows and buffalo.

HOTS : Duck and Penguin

Value-Based : A. ✗ B. ✓

Activity — Do it yourself.

National Cyber Olympiad Question : (c) Tiger

Problem Solving

1. Birds 2. six 3. Crocodile

Critical Thinking

1. tiger rabbit lion elephant

2. duck swan goose eagle

3. penguin parrot pig pigeon

Chapter - 5 — Food and Shelter for Animals

Life Skills

A monkey — Banana

A cow — Hay

A dog — Meat

A hen — Grains

A Cat — Fish

A horse — Grass

Research and Discover

1. Lion 2. Spider 3. Deer 4. Dog

Revisit and Relearn

A. 1. (a) grass 2. (b) nuts 3. (c) rabbit 4. (a) pen

B. 1. plant-eater 2. Tiger 3. den 4. stable

C 1. Animals that eat plants are called plant-eaters. For examples cow and buffalo.

(4) — Today Science

2. Lion and tiger are flesh-eating animals.
3. Monkeys and Lions live in natural homes.
4. We build homes for dogs and horses.

HOTS

Lizard

Value-Based — Do it yourself.

National Cyber Olympiad Question

- (a) eats only plants
- (b) eats leaves of plants
- (c) eats flesh of animals
- (d) eats plants and flesh of animals

Problem Solving

Frog

Elephant

Rabbit

Critical Thinking

Herbivore

Carnivore

Omnivore

Lion

Cow

Tiger

Bear

Horse

Lizard

Crow

Rabbit

Snake

Bat

Chapter - 6 — Human Body

Let's Explore — Do it yourself.

Research and Discover

Eyes

Nose

Ears

Mouth

Life Skills

Nose

Tongue

Eyes

Skin

Ears

Revisit and Relearn

- A. 1. (c) legs 2. (c) hands 3. (c) hear 4. (b) feel
- B. 1. many 2. eyes 3. tongue 4. sense organs
- C. 1. F 2. F 3. T 4. T
- D. 1. (c) to see 2. (d) to smell 3. (c) to taste 4. (b) to feel
- E. 1. We can hold, draw, clap, write and eat with the help of our hands.
2. We can walk, run, jump and skip with the help of our legs.
3. Sense organs help us to sense the world around us.
4. Children grow to become a boy or a girl.

HOTS

She can tell by touching them and sensing their length.

Value-Based — Do it yourself.

National Cyber Olympiad Question

1. (c) Eyes 2. (b) Ears

Problem Solving

1. (a) Ears 2. (b) Favourite 3. (c) Tongue 4. (a) Many
5. (a) Skin

Critical Thinking

1. Tongue 2. Legs 3. Hands

Chapter - 7 — Food for Health

Let's Explore — Do it yourself.

Research and Discover

1. Meat 2. milk 3. meat 4. eggs

Life Skills — Do it yourself

Revisit and Relearn

- A. 1. (b) fruits 2. (a) milk 3. (a) dinner
4. (c) both (a) and (b)
- B. 1. cereals 2. hen 3. lunch 4. hands
- C. 1. F 2. T 3. T 4. F
- D. 1. We need food to grow and stay healthy.
2. Plants and animals are sources of food.
3. We take 3 meals in a day.
4. a. We should eat clean and covered food.
b. We should wash our hands before and after our meals.

HOTS

He took animal food because we get eggs from hen and milk from cow.

Value-Based — Do it yourself.

Activity : P A A P

National Cyber Olympiad Question

- (d) All of the above

Problem Solving

- a. fruits vegetables
b. milk egg
c. cucumber radish
d. pulses egg

Chapter - 8 — Keeping Healthy

Research and Discover — Do it yourself

Life Skills — Do it yourself

Let's Explore — Do it yourself.

Revisit and Relearn

1. (c) both (a) and (b)
2. (b) Handkerchief
2. (a) twice
4. (c) 7 to 8

B. Do it yourself

HOTS

Not taking a bath for three to five days can lead to many diseases and infections.

Value-Based Questions — Do it yourself.

Activity

Towel Shampoo Toothbrush Soap

National Cyber Olympiad Question

Sid

Critical Thinking

1. ✓
2. ✗
3. ✓
4. ✗

Chapter - 9 — Housing and Clothing

Let's Explore

Bathroom Kitchen Dining Room Bedroom

Research and Discover — Do it yourself

Life Skills — Do it yourself

Revisit and Relearn

- A. 1. (c) study room 2. (c) in the bedroom
3. (b) woollen clothes 4. (b) sheep
- B. 1. a bath 2. cotton 3. cool 4. cotton
- C. 1. Different parts of a house are:
a. Bathroom b. Bedroom c. Kitchen d. Dining room
e. Living room f. Study room
2. We spend time with our friends and relatives in living room.
 3. We wear raincoat and gumboots in monsoon.
 4. We get cotton from cotton plants and wool from sheep.

HOTS

Preeti should wear raincoat and gumboots to protect herself

Value-Based — Do it yourself.

Activity — Do it yourself.

National Cyber Olympiad Question

1. (b) 2. (b)

Problem Solving

1. Igloos 2. Caravans 3. Kachcha 4. Pakka

Critical Thinking

1. Neha can wear cotton clothes.
2. Sunny will find igloos there.

Chapter - 10 — Air

Let's Explore — Do it yourself

Life Skills

Because the red balloon is larger and have more air inside it.

Research and Discover — Do it yourself

Revisit and Relearn

- A. 1. (c) wind 2. (b) weight 3. (a) sailboat
4. (c) both a and b
- B. 1. Cannot 2. space 3. dry 4. kite
- C. 1. (b) wind 2. (c) space 3. (d) weight 4. (a) to breathe
- D. 1. T 2. F 3. F 4. T
- E.1. Moving air is called wind.

2. Take a balloon and blow air into it slowly. It becomes bigger. This show that air fills space inside the balloon.
3. a. All living this needed air to breathe
b. Air moves a sailboat
4. Yes, air is needed for burning.

HOTS

Yes, it has air inside it as air fills the empty space

Value-Based Question

- ✓ ✗ ✓ ✓

Activity — Do it yourself.

National Cyber Olympiad Question

1. (b) air 2. (c) air

Problem Solving

1. smoke dust
2. has weight occupies space
3. balloon kite

Critical Thinking

1. c
2. a
3. d

Chapter - 11 — Water

Let's Explore

1. Lemon
2. Tea leaves
3. Carbon dioxide

Research and Discover

- Bathing Brushing teeth Washing utensils
Drinking Washing your cycle

Life Skills

- ✗ • ✓ • ✗ • ✓

Revisit and Relearn

- A. 1. (b) Rain 2. (c) both a and b 3. (c) bucket
B. 1. Rain is the main source of water.
2. River, lake and sea are other sources of water.
3. We use water for:
 a. Washing clothes b. Bathing c. Drinking
4. Tank and Bucket
C. 1. (b) 2. (c) 1. (a)

HOTS

Yes, Siddhi is right

Activity — Do it yourself.

Value-Based — Do it yourself.

National Cyber Olympiad Question

1. (d) Both b and c
2. (d) All of these

Problem Solving

1. (d) All of these
2. (d) Both (a) and (b)
3. (d) All of these

Critical Thinking

1. Yes
2. No
3. Yes
4. No

Chapter - 12 — Weather

Let's Explore — Do it yourself

Research and Discover

Manali

Life Skills — Do it yourself

Activity — Do it yourself

Revisit and Relearn

A. 1. (a) hot 2. (b) rains 3. (b) five 4. (c) spring

B. 1. Weather 2. cold 3. autumn 4. hot

C. 1. F 2. T 3. T 4. F

D.1. Weather is a condition of air at particular time or place.

2. We wear cotton clothes in summer season.

We wear woollen clothes in winter season

We wear raincoat and gumboots in rainy season.

3. There are five seasons in all:

• Summer • Winter • Rainy • Autumn • Spring

4. In Spring season new leaves grow and in autumn season trees shed their leaves.

HOTS

Cotton clothes keep us cool so we wear cotton clothes on sunny days.

Value-Based

Hot

Shirt

Frock

Shorts

Cold

Gloves

Jacket

Sweater

Rainy

Raincoat

Gumboots

Umbrella

Activity

Summer

Winter

Summer

Winter

National Cyber Olympiad Question

(a) Hot day

Gumboots

Problem Solving

1. (b) Raincoat

2. (c) Eat ice cream

3. (a) Cotton

Chapter - 13 — The Sun, Moon and Stars

Let's Explore — Do it yourself

Life Skills

Sun, Moon, Star

Revisit and Relearn

- A. 1. (a) Sun 2. (a) east 3. (a) moon
B. 1. T 2. F 3. F 4. T

- C.1. The sun gives us heat and light.
2. The sun rises in the east and sets in the west.
3. The moon keeps changing its shape.
4. Stars are very far away so they appear to be small in size.

HOTS

We are not able to see moon and stars in day time due to bright light of sun. They are there in the sky only.

Activity — Do it yourself

Value-Based

water plants	evening walk
reading newspaper	dinner
school	sleep

National Cyber Olympiad Question

1. (a) west 2. (d) both (b) and (c)

Problem Solving

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

Critical Thinking

1. East 2. phases 3. star



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