

New

# Vision of **SCIENCE**

## Teacher's Manual



**CLASS 3**  
**CHAPTER 1**

Let's find The water carries food to them with the help of our currents.

Life Skills

Then – Egg chick  
kid.

Goat – Live baby

Buffalo – Live Baby calf.

Lion – Live baby cub.

Sake – Egg senkbet.

Duck – Eggs Duckling.

**Exercise**

- A. 1. (c) Fish, 2. (b) Plant, 3. (a) Chair, 4. (c) Snake, 5. (a) Hen.  
B. 1. –d, 2. –a, 3. –e, 4. –b, 5. –c.  
C. 1. living, 2. crawl, 3. gills, 4. grow, 5. non-living.  
D. 1. F, 2. T, 3. F, 4. F, 5. F.  
E. 1. To search for food & Shatter.  
2. Plants breath through small openings in their leaves called stomata.  
3. Living things need food to live & grow.  
4. All living things produce young ones of their own kind. This is called reproduction.  
5. Hen lays eggs and cow gives birth to live ones.

**HOTS**

1. fishes have gills and can only breathe under water.
2. Moon so not a living thing as it does not grow or reproduce.

**Value Based Question**

Hurting the that feel pain is wrong values they are bred to be consumed.

**National cyber Olympiad Question**

(d) 1, 2 & 3.

**CHAPTER 2**

**Life skills**

1. No because they are comporfate parts of a plant.

**Exercise**

- A. 1. (c) carrot, 2. (a) leaf balde, 3. (c) flower, 4. (a) fruits, 5. (b) mango.  
B. 1. stem, 2. fibrous, 3. chlorophyll, 4. stomata, 5. stem.  
C. 1. T, 2. F, 3. T, 4. F, 5. T.  
D. 1. Leafblade, 2. stem, 3. Sugar cane, 4. Carrot, 5. Seed.

- E. 1. Root & Shoot.  
 2. Tap root – The single main root that grows from the end of the stem is called tap root.  
 Fibrous root – A number of tiny roots growing from the end of the stem are called fibrous roots.  
 3. The stem keeps the plant upright & Straight.  
 The stem bears leaves, buds, flowers & fruits.  
 4. Leaf blade, main vein, side veins, stomata.  
 5. Each seed has a baby plant inside of the seed. The baby plant begins to grow when the seed gets air, water & nutrients in the soil. This process is called germination.

### HOTS

1. Because plants need sunlight to make their food.
2. So that leaves can get sunlight and not get shadowed by the canopy.

### Value Based Question

The plant loses organs which are responsible for respiration and preparation of food.

### National Cyber Olympiad Questions

(b) 1 & 2.

## CHAPTER 3

### Get, Set & go

Elephant – 2nd

Rabbit – 4th pic.

Panda – 1st pic.

Shank – 3rd pic.

### Let's find

Insects can be put under omnivores and scavengers as they eat plants, animals and dead organic matter.

### Let's find

Predominantly molar type of teeth, it does not.

### Life Skills

3 types Incisors – Fretting

Carnivores – fostering flesh

Pre-molar – for grinding food.

### Exercise

- A. 1. (c) Lion, 2. (b) Squirrel, 3. (a) Snake, 4. (b) Dog, 5. (a) A plant.  
 B. 1. Carnivores, 2. Omnivores, 3. Bees, 4. Trunk, 5. Herbivores.  
 C. 1. F, 2. T, 3. T, 4. F, 5. T.  
 D. 1. Grass Grazing animals first swallow their food then thought

chewing of lates, they bring this food back into the mouth & chew of for hours with this grinding feet this is as chewing the and.

2. A frog has a long sticky tongue. It throws out of tongue to catch small insect. Then it rolls the longue back into of mouth & swallvaus it whole.
3. Sharp currned teeth.
4. Some animals like cat & dog use their tongue to top up water or milk. This method of taking liquid called lapping.
5. A food chain always begins earth a plant and ends us the an animal. So, we can say that all animals depend on plants directly or indirectly for their food. For example a grass hopper eats grass. A grass hopper is eaten up by a from & them frog is eaten up by an eagle. This is like a chain that the plants & animals form. It is called food chain.

### **HOTS**

1. To help it collect laves and drink water.
2. No as it swallows its food.

### **Value Based Question**

It tells us that the owner is a person who does not think about his environment.

### **National Cyber Olympiad Question**

(d) both, (a) & (b).

## **CHAPTER 4**

### **Life Skills**

Help it Help it make sure if is note wounded. of food, water & shelter. If of is wounded, take of to a veterinarian.

### **Exercise**

- A. 1. (a) Body panthers, 2. (b) Broad and flat break, 3. (c) Both a & b, 4. (a) Kingfisher, 5. 9b) Tailor bird.
- B. 1. Wings, 2. tails, 3. beak, 4. Bulbus, 5. three.
- C. 1. T, 2. F, 3. T, 4. F, 5. T.
- D. 1. Parrot, 2. Hummingbird, 3. Pigeon, 4. Hen. 5. Wood packers.
- E. 1. Flight feathers help a bird to fly. They help bird to lift themselves & maintain balance for flight.  
2. Flight feathers, body feathers, & down feathers.  
3. Woodkecker strong chisel shaped. Beak Humming bird Long & pointed Beak.

4. To catch food, to sit on branches & to protect the bird.
5. It sews leaves together to make a nest.

### **HOTS**

1. Ducks sarim and craines wide.
2. They would become to heavy to fly.

### **Value Base Question**

2. Stop the person.

### **National Cyber Olympiad Question**

- (c) Tailor Bird.

## **CHAPTER 5**

### **Get, Set, go**

Feet – Used for moving

Mouth – Used for eating

Ear – Used for listening.

Nose – Used for smelling.

### **Life Skills**

Brain – Neurologist

Heart – Cardiologist

Eyes – Ophthalmologist

Bones – Orthopadic

Teeth – Dentist

Skin – Dermatologist

### **Exercise**

- A. 1. (b) cell, 2. (c) 206, 3. (c) kidneys, 4. (b) nose, 5. (b) Brain.
- B. 1. T, 2. T, 3. T, 4. T, 5. T.
- C. 1. pg 39, marked, 2. pg 30, marked, 3. pg 41, marked, 4. Kidneys, spin, and lungs, 5. pg 42, marked.

### **HOTS**

1. Nails are made up of dead cells.
2. Paring exercise the body needs more oxygen which makes a person breaths faster.

### **Value Based Questions**

1. As they can make a body sick.
2. So that the bolus does not get stuck in the food pipe.

### **National Cyber Olympiad Questions**

- (d) c & d

## **CHAPTER 6**

### **Let's find**

Road Bump. It is there to slow down vehicles.

### **Life Skills**

Bumps Ahead

#### **Exercise**

- A. 1. (c) both a & b, 2. (b) foot path, 3. (c) go, 4. (a) sarimung tube.  
B. 1. matchsticks, 2. road, 3. push, 4. safety rules, 5. First aid.  
C. 1. T, 2. T, 3. F, 4. F, 5. T.  
D. 1st, 2nd, 5th X.  
E. 1. Accident on occur at any time or at any place.  
2. Do not touch hot utaensils.  
Do not play with gas stoves.  
3. Pg 45, marked, 4. pg 46, marked, 5. 47, marked.

#### **HOTs**

1. To protect his head in case he meets earth an accident.  
2. Because wet hands could cause the person to get electrocuted.

#### **Value Based Question**

Take him to the medical room.

#### **National Cyber Olympiad Question**

(c) cold.

## **Chapter 7**

### **Get, Set & go**

Kashmere Wood Expensive

### **Let's find**

1. President of USA, 2. President of India, 3. Queen of England.

#### **Exercise**

- A. 1. (a) lighted, 2. (b) dirty water, 3. (a) cotton, 4. (c) cotton, 5. (b) wool.  
B. 1. Wire nettinges, 2. dustbin, 3. woolen, 4. two, 5. nylon.  
C. 1. 1 – d, 2. – a, 3. – c, 4. – c, – 5. b.  
D. 1. pg 51 Marked, pg 52, marked, 3. pg 52, marked, 4. Natural ^ man-made, 5. Natural cotton & jute, Man made Nylon & Rayon.

#### **HOTS**

1. To keep flies away, 2. They are water proof.

#### **Value Based Questions**

2. Different communities wear different styles of clothes place, our clothing styles represents our culture.

#### **National Cyber Olympiad Questions**

1. (d) All of these,                      2. (d) TOACAIRN.

## Chapter 8

### Let's find

The first shower brings down the particulate matter present in the air.

### Exercise

- A. 1. (c) both a & b, 2. (c) both a & b, 3. (c) both a & b, 4. (b) condensation.
- B. 1. atmosphere, 2. oxygen, 3. three fourth, 4. germs, 5. evaporation.
- C. 1. T, 2. F, 3. T, 4. F, 5. F.
- D. 1. Wind, 2. Carbon dioxide, 3. Germs, 4. Ice, 5. Steam.
- E. 1. Nitrogen, oxygen, carbon dioxide.  
2. The layer of air that surrounds is called atmosphere.  
3. It evaporation into steam.  
4. When water vapours cool and form liquid water, it is called condensation.  
5. pg 59, marked.

### HOTS

1. Most of the water is not portable.  
2. To keep us per from polluting agents which are released from factories.

### Value Based Questions

1. So as to not dirty our homes.  
2. Cutting trees reduces transpiration which affects rain.

### National Cyber Olympiad Questions

1. (b) it becomes extract.  
2. (c) Increase sharply at the time it is placed on the stone.

## Chapter 9

### Get, Set & go

Writer, summer, monsoon, spring.

### Let's find

Water borne diseases spared during monsoon.

### Exercise

- A. 1. (b) breeze, 2. (c) three, 3. (b) winter, 4. (a) raincoat, 5. (b) winter season.
- B. 1. cooler, 2. wind, 3. loo, 4. monsoon, 5. spring.

- C. 1. F, 2. T, 3. T, 4. F, 5. F.  
 D. 1. -b, 2. -c, 3. -d, 4-e, 5-a.  
 E. 1. pg 63, marked, 2. pg 63, marked, 3. summer monsoon & airter, 4. pg 65, marked, 5. In spring new laves and flower grow on trees. In autumn leaves turn yellow & fall.

**HOTS**

1. Summer as the temperature is higher.
2. The sun rays fall directly straight down on the ground.

**Value Based Questions**

1. is wrier, 2. Give them shelter and appropriate clothing.

**National Cyber Olympiad Questions**

1. (a) Winter season, 2. (b) Weather.

**Chapter 10**

**Get, Set & go**

CRUST, MANTLE, CORE.

**Let's find**

Earth is only bigger than the rest of the inner plants.

**Exercise**

- A. 1. (c) both a & b, 2. (a) Blue planet, 3. (c) orange, 4. (c) west to east, 5. (c) 365/4.  
 B. 1. Sun, 2. Poles, 3. Day & night, 4. orbit, 5. 24.  
 C. 1. F, 2. T, 3. T, 4. F, 5. T.  
 D. 1. ATMOSPHERE, 2. ROUND, 3. ROTATION, 4. REVOLUTION, 5. AXIS.  
 E. 1. pg 69, marked, pg 70, marked, 3. pg 70 marked, 4. pg 71 marked, 5. pg 71 marked.

**HOTS**

1. There would be no transaction form day to night or vice verga.
2. Earth is so huge that of seems to us that earth is flet because we con see only a part of.

**Value Based Questions**

No, as we dost have any where else to go. We also have a duty forwards nature.

**National Cyber Olympiad Questions**

1. (b) Tabbeterins ball
2. (c) We can see only a part of the earth.

**CHAPTER 11**



**Let's find**

Clayey soil as it maintains its shape after being dried.

**Life skills**

We should stop soil from getting polluted to protect it.

**Exercise**

- A. 1. (b) soil, 2. (a) gravel, 3. (e) both of these, 4. (b) loamy soil.  
B. 1. Soil, 2. Sandy soil, 3. Clayey soil, 4. Diamond, 5. Chalk.  
C. 1. T, 2. F, 3. F, 4. T, 5. T.  
D. 1. Soil, 2. Gravel, 3. Sandy soil, 4. Clayey soil, Humus.  
E. 1. pg 75, marked, 2. pg 75, marked, 3. Humus, water, clay, sand, gravel & Air, 4. Loamy, sandy & clayey, 5. pg 78, marked.

**HOTS**

1. Because it is the best soil to grow plants as it is rich in humus.
2. Since soil has many uses it should be protected like any other valuable resource.

**Value Based Questions**

1. Roots hold on to the soil & reduce soil erosion.
2. Stop the person from polluting.

**National Cyber Olympiad Questions**

- (d) all of these.

**CHAPTER 12****Get, Set & go**

LIGHT, SOUND.

**Let's find**

The moon reflects the sunlight.

**Exercise**

- A. 1. (b) Candle, 2. (a) book, 3. (c) opposite, 4. (b) chirping of birds, 5. (b) force.  
B. 1. sun, 2. non-luminous, 3. straight, 4. noise, 5. friction.  
C. 1. F, 2. T, 3. T, 4. T, 5. T.  
D. 1. Luminous objects emit light of their own which non-luminous objects reflect light.  
2. pg 83 marked. 3. pg 84, 4. 84, 5. pg 84.

**HOTS**

1. Loud sound is harmful as it can damage the ear drums.
2. Gravity pulls on the cycle in a downward direction.

### Value Based Questions

1. No because someone on be injured by the push.
2. Walk, drive, write.

### National Olympiad Questions

- (a).

## CHAPTER 13

### Exercise

- A. 1. (a), 2. (b), 3. (a), 4. (c), 5. (c).
- B. 1. Culrt, 2. Kilogram, 3. liters, 4. hours, 5. thermometer.
- C. 1. T, 2. T, 3. F. 4. T, 5. T.
- D. 1. –(c), 2. –(d), 3. –(e), 4. –(a), 5 –(b).
- E. 1. pg 87, 2. pg 88, 3. pg 89, 4. pg 89, 5. pg 90.

### HOTS

1. No because the normal body temperature is  $98.3^{\circ}\text{F}$ . It is called a fever.
2. (a) Measuring the weight on a weighing scale.  
(b) Measuring the opacity with a measuring cylinder.  
(c) measuring the height Wirth an which tape.  
(d) Measuring the weight on a weigling scale.

### Value Based Question

1. Reprimand him for cheating his customers.

### National Olympiad Questions

- (b)  $1500\text{ cm}^3$