

2

New

# Vision of **SCIENCE**

## Teacher's Manual



## Class 2

### CHAPTER-1

#### Get, set and go...

It is a rose plant.

#### Let's find

Papaya trees are originally from America, coconut originated from the Indian subcontinent.

#### Exercise

- A. 1. (b) Trees 2. (c) Herbs 3. (b) Pea plant 4. (b) Root 5. (b) Fruit  
B. 1. trunk 2. Trees 3. vegetable 4. Creepers 5. Leaf  
C. 1. T 2. F 3. F 4. T 5. T  
D. 1. Big & tall plants are called trees. They have hard and strong stem called trunk. The trunk is divided into many branches. Trees live for many years.  
Shrubs are smaller than trees. They have thin and woody stem. They bear many branches that grow close to the ground. Shrubs live for many years.  
2. Creepers have weak stems. They do not climb up and creep along the ground. Eg. pumpkin and watermelon plants.  
3. Shrubs – Rose, Jasmine  
Herbs – Rice, Mint  
4. Climbers are weak plants. They cannot stand straight. They need a support of other object to grow. Eg. pea plant and money plant.  
5. Leaf, fruit, flower, stem, and Roots.

#### HOTS

Because pea develop in a pod.

#### Value Based Question

Do yourself.

#### Activity

Do yourself.

National cyber olympiad Questions

(b) coconut & papaya.

### CHAPTER-2

#### Get, set, and go...

All picture except the bucket and glass pictures.

#### Let's find

Tyre

Eraser/Rubber

Rubber Gloves



### Value Based Questions

There are different lifestyles based on different type of consumption of food. Many communities use animals for this meat & other body parts animals are specifically bred for their consumption. As long as consumption of animal for its meat & other body parts is sustainable, if causes no harm to the environment.

### Activity

1. Milk, Wool, Eggs, Honey

### National Cyber Olympiad Questions

1. (d) Zebra.
2. (d) all of these.

## CHAPTER 4

### Get, Let go

Lion, Elephant, Goat, Deer, Horse.

### Let's find

ELEPHANT

GIRAFFE

DEER

ZEBRA

### Life Skills

For shelter & place of rest

### Exercise

1. (b) cave, 2. (b) birds, 3. (c) in water, 4. (a) plants.
1. lion, 2. burrow, 3. trees, 4. animals.
1. F, 2. T, 3. F. 4. F.
1. Dog, 2. Zebra, 3. Snake, 4. Deer.
1. Animals that live in forests are called wild are mals.  
2. Honkeys, sloths.  
3. Animals which can live both on land & in water are called amphibians.  
4. Lions, Tigers, wolves, snakes, etc.

### HOTS

Giraffe's long neck helps it to eat the learns of tell trees.

### National Cyber Olympiad Questions

- (a) Tiger Skin &
- (d) Lion skin.

## CHAPTERS 5

### Get, Set & go.

Lips, ear, hair.

### Let's find

Cycling, running, swimming, playing.

### Exercise

- A. 1. (a) bones, 2. (b) 206, 3. (c) brain, 4. (d) boat a & b.
- B. 1. bones, 2. Ribs, 3. Joint, 4. Straight.
- C. 1. T, 2. F, 3. F, 4. T.
- D. 1. Muscles, 2. Skeleton, 3. Joint, 4. Posture.
- E. 1. All the bones join together to form for work called skeleton.  
The skeltiones shape & support to our body.  
The skeleton gives shape & support to our body. It protict our soft inner organs.  
Muscles help the bones to move.  
Our bones & muscles help as to walk, run play & do many other activities.
3. A place where two bones join together is called a joint.
4. Exercising regularly & eating health food makes our bones & muscles strong.
5. The position in which we hold our body when we got, stand or move is called posture.  
The correct posture gives proper shape to out body. It keeps all the part of our body to work properly.

### HOTS

Exercising regularly & eating heathy food modes our bones & muscles strong.

### Value Based Question

No, Since we need to to bend our joints to move thing around.

### National Cyber Olympiad Questions

1. (b) skeleton,                      2. (b) 300 bones.

## CHAPTER 6

### Get, Set & go

Butter – A

Apple – A

Eggs – A

Bread – P

Rice – P

Milk – A

### Let's Find

Street vendors don't follow regulation to keep food clean & healthy.

### Exercise

- A. 1. (a) Milk, 2. (c) Sugar, 3. 9c) Protective, 4. (a) breakfast, 5. (c) both a & b.
- B. 1. body, building, 2. diseases, 3. hands.
- C. 1. –C, 2. –e, 3. –d, 4. –b, 5. –a.

- D. 1. Food items like milk, fish, eggs, etc. help us to grow. They also build our bones & muscles. They are called body building food.
2. Energy giving food gives us energy to work & play.
3. Diseases.
4. We eat food at different times in a day.  
The different meals are breakfast (morning), lunch (afternoon), & dinner (night).

### **HOTS**

Both eat the same things except non-vegetarian eat meat & eggs as well.

### **National Cyber Olympiad Questions**

1. (d) Honey, 2. (c) Staple food.

## **CHAPTER 7**

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

1st pic – X 2nd pic – X

### **Life Skills**

1st, 2nd & 3rd pic.

### **Exercise**

- A. 1. (c) both a & b, 2. (c) footpath, 3. (b) in the park.
- B. 1. F, 2. T, 3. T, 4. T.
- C. 1. Because Beauvais are sharp & may hurt us.  
2. Look to both sides of the road to make sure there is no traffic.  
3. Do not jump or play on the desks.  
Do not run up & down the stairs.  
4. Do not play on the roof.  
Do not push or pull while playing.

### **HOTS**

Because they may burn themselves by accident.

### **National Cyber Olympiad Question**

- (a) His concentration can break & accident can happen.

## **CHAPTER 8**

### **Let Set & go.**

Bedroom, Bathroom, Kitchen.

### **Let's Find**

Summer uniforms are made of cotton while winter uniforms are made from wool.

### Exercise

- A. 1. (b) Kuchcha houses  
2. (a) Tent  
3. (a) Flat  
4. (b) Woollen clothes  
5. (c) Monsoon.
- B. 1. -b, 2. -d, 3. -a, 4. -c.
- C. 1. permanent, 2. sloping, 3. wheels, 4. cotton.
- D. 1. Some people live in the some house for many years. These types of houses are called permanent houses.  
Some people keep morning from one place to another. They make houses that can be moved form place to place. These types of houses are called temporary houses.  
2. Tent, house boat, caronan, sheet house.  
3. Flat roof – in the planins  
Sloping roofs – on the mountains.  
4. Cotton clothes.  
5. Wooden clothes.

### HOTS

Snow will accountae.

### Nations Cyber Olympiad Questions

(d) Woollen fibre.

## CHAPTER 9

### Let's find

to stop the spread of pathogens.

### Exercise

- A. 1. (b) Smoke, 2. (a) breeze, 3. (c) Plants, 4. (b) Wind.
- B. 1. Air, 2. Dirty, 3. storm, 4. Clean.
- C. 1. F, 2. T, 3. T, 4. T.
- D. 1. -b, 2. -d, 3. -a, 4. -c.
- E. 1. Air is a mixture of gases. It also conting water wapers.  
2. The smoke, dust & germs make the air dirty. Such air is not good for our health.  
3. Breeze is when wind blows softly.  
When wind blows strongly, it is called storm.  
4. Wind moves a sailboat.  
Wind makes a parachute fly.  
Wind helps clothes to dry faster.

## **HOTS**

Because a fan cannot produce such strong wind.

## **Value Based Questions**

2nd & 4th.

## **National Cyber Olympiad Questions**

Correct answers 2, 3, & 4.

Cheer is no option counting 2, 3, & 4.

## **CHAPTER 10**

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

DRINKING, BATHING, COLOURING, WASHING

### **Let's find**

Water purifier filter out contaminants and make water pure.

### **Life skills**

close top while bathing.

Except of showering, fill a bucket & use of for bathing.

### **Exercise**

- A. 1. (b) River, 2. (c) Well, 3. (c) None of these, 4. (b) Three - fourth.
- B. 1. ground, 2. boil, 3. germs, 4. sick.
- C. 1. Rain pond, lake, river, well, tube-well, hand pump.  
2. We draw ground water by digging wells, tube wells & hand pumps.  
3. Water from lakes & rivers come to our homes through pipeline & taps.  
4. Water that comes from lakes & river contains germs therefore, we should cool water before drinking. Boiling water can kill the germs.  
5. Never leave the tops open when not in use.  
Do not waste water while bathing or washing.  
Get labing taps required.

## **HOTS**

Get water from a well.

## **Value Based Question**

4th & 4th.

## **National Cyber Olympiad Questions**

D, a, b, c, & d.

## **CHAPTER 11**

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

2nd pic.





4. When light cannot pass through on object, it forms a shadow.  
A shadow is always formed on the opposite side of the light.

**HOTS**

Black.

**Value Based Question**

- a. yes, b. yes, c. No (Heatstroke)

**National Cyber Olympiad Questions**

- (c) Shadows.

**CHAPTER 13**

**Let's find**

Chalk & State.

**Let's find**

Iron Bar, Car, Train

**Life Skills**

1. Diamond, 2. Chalk, 3. coal, 4. Talcum powder, 5. Ruby, 6. Emerald.

**Exercise**

- A. 1. (a) Hard rock, 2. (b) white, 3. (c) chalk, 4. (b) Quartz.  
C. 1. T, 2. T, 3. F, 4. T, 5. T.  
D. 1. Gromte, sandstone  
2. chalk, slate  
3. Talc, silica  
4. Emerald, Raby.  
E. 1. Rocks are hard substances which make up the earth. Rocks are made up one or more minerals.  
2. Rocks are found every where like on mountains, on hills, in valleys at the bottom of rivers & seas.  
3. Rocks are made up of one or minerals are of different colours, shapes & sizes.  
4. Talc is used for making talcum powders.

**HOTS**

No, as chalk is a very soft rock and cannot be used like lead to write using friction. Chalk cannot write on paper.

**Value Based Questions**

It is not right because the facing is wrong.

**National Cyber Olympiad Question**

- (D) X-Panice, Y-Chalk.

# NEW VISION OF SCIENCE



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