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# Infinity Science

Teacher's Manual  
**CLASS**

**1**

Ottimo Publications

# Infinity Science

## Class – I

### Chapter – 1 World of Plants

#### Tell Me Now (Page 7)

I am a big plant.

I am a small plant.

#### Tell Me Now (Page 10)

Mango; Watermelon; Rose

#### Tell Me Now (Page 12)

A seed give rise to baby plants.

A flower changes into fruit.

An apple contains seeds.

#### Learn and Revise

- A. 1. (b) trunk      2. (b) creepers      3. (a) green      4. (b) fruits      5. (a) food  
B. 1. Trees      2. Climbers      3. Wheat      4. Mango  
C. 1. Tree (T)      2. Herb (H)      3. Shrub (S)      4. Aquatic (L)  
D. 1. Small plants with thin, green and soft stems are called Herbs. Wheat, carrot and ginger are herbs.  
2. Examples of shrubs are rose, jasmine, lemon, hibiscus.  
3. Plants grow from seeds.

#### Word Search

1. Neem      2. Ananas      3. Mango      4. Banyan

#### Hots (Think and Answer)

Leaves make food for the plant. So they are called the kitchen of the plant.

#### Life Skills

Flower      Leaf  
Fruit      Stem  
Root

### Chapter – 2 Uses of Plants

#### Tell Me Now (Page 16)

Apple

Mango

Guava

#### Tell Me Now (Page 19)

Carrot

Ginger

Spinach

Rice

#### Learn and Revise

- A. 1. (b) Food      2. (c) sugarcane      3. (b) root  
B. 1. fruit      2. root      3. food grain      4. seed      5. Flower  
C. 1. (i) Cabbage (ii) Broccoli      2. (i) Apple (ii) Banana      3. (i) Wheat (ii) Maize

- D. 1. We get most of our fruits from plants and animals.  
 2. Cauliflower and cabbage  
 3. Sunflower
- E. APPLE, PAPAYA, TOMATO, CARROT

### Hots (Think and Answer)

Plants are called our green friends because we get food, air, cloth, wood, etc. from plants.

## Chapter – 3 The Animal World

### Tell Me Now (Page 23)

Cat, Dog, Giraffe, Lion, Cheetah, Cow

### Tell Me Now (Page 26)

Two (2), Two (2), Six (6), Eight (8)

### Learn and Revise

- A. 1. (c) Sheep                      2. (a) Whale                      3. (b) Monkey
- B. 1. Octopus, Dolphin            2. Ostrich, emu                  3. Flying fish, Tree frog          4. Ducks, swan
- C. 1. Domestic animals            2. monkey                      3. insect                          4. flying
- D. 1. Some animals live with human beings in their houses. They are called pet animals.  
 2. Aquatic animals can live both in land and water.  
 3. Birds have wings and feathers on their body. Wings help them to fly.
- E. 1. CROW                      2. OCTOPUS                      3. CAT

### Hots (Think and Answer)

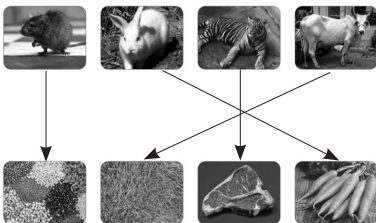
Animals give us food like milk, eggs, and meat. Animal like sheep give us wool. Horses, donkeys, and camels are useful for carrying loads. Dog help us to keep thief away from home. So, animals are useful to us in many ways.

### Explore More

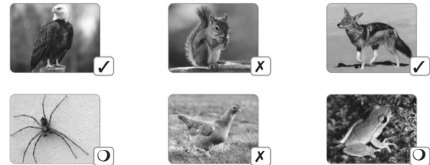
1. Do it Yourself
2. Frog, Buffalo, Monkey, Elephant, Cow, Tortoise

## Chapter – 4 Food and Shelter for Animals

### Tell Me Now (Page 30)



### Tell Me Now (Page 32)



### Tell Me Now (Page 33)

Name: Dog, Honeybees, Horse, Cow

Home: Kennel, Hive, Stable, Shed

### Learn and Revise

- A. 1. (b) flesh eater      2. (b) Honeybee      3. (c) both      4. (c) kennel  
B. 1. Cow, Elephant      2. Lion, Shark      3. Bear, Crow  
C. 1. F      2. T      3. F  
D. 1. Tiger      2. Dog      3. Hen      4. Lizard      5. Bear  
E. 1. Jackal eat flesh of other animals.      2. Rabbit lives in a burrow.  
3. Coop is the house of hen.

### Word Search

1. COOP      2. HIVE      3. STABLE      4. DEN      5. TREE

### Explore More

1. I am a Lion.      2. A Dog lives in a kennel.

### Hots (Think and Answer)

Animals also need home to protect themselves from other wild animals. As wild animals are always on the hunt, the shelter protects them from getting killed. All the animals keep their babies as well as food safe from other wild animals.

## Chapter – 5 My Body

### Tell Me Now (Page 38)

Hand, Feet, Nose, Mouth

### Tell Me Now (Page 39)

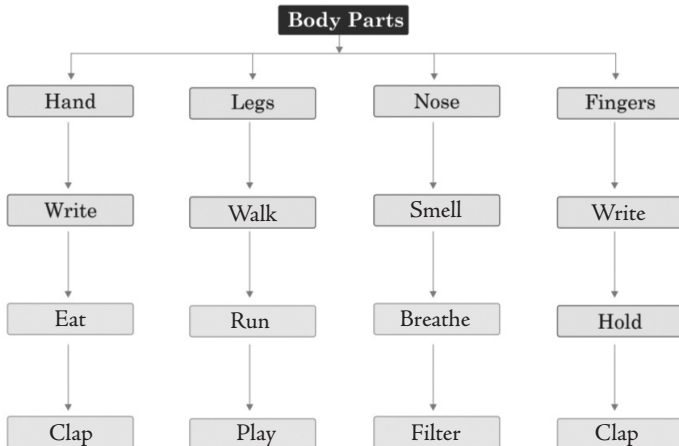
Toe, Ankle, Foot

### Tell Me Now (Page 40)

Eyes (2), Tongue (1), Ears (2), Nose (1)

### Learn and Revise

- A. 1. (b) five      2. (b) feet      3. (b) tongue  
B. 1. hands      2. legs      3. eyes      4. nose  
C.



- D. 1. Eyes, nose, ears, tongue and skin are the five sense organs.  
 2. Our legs help us to walk, run, play, dance and jump. (any two)  
 3. The tongue help us to taste.  
 4. We sense hotness or coldness of things with our skin.
- E. 1. CROW                      2. OCTOPUS                      3. CAT

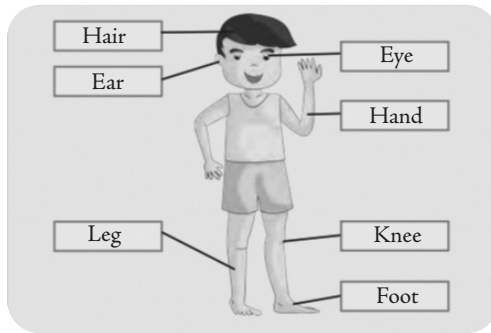
### Hots (Think and Answer)

We taste food with the help of our **tongue**.

### Word Search

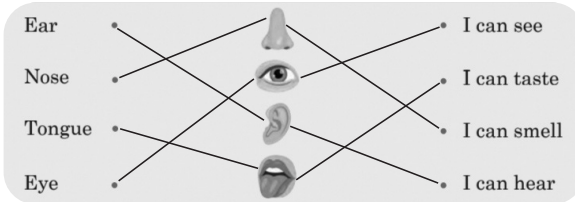
1. Tongue                      2. Nose                      3. Ear                      4. Eye                      5. Skin

### Life Skills



### Explore More

1. Do it Yourself  
 2.



## Chapter – 6 Our Needs

### Tell Me Now (Page 44)

Food to eat; Clothes to wear; A hand use to live in

### Tell Me Now (Page 45)

It is Your Own Choice

### Tell Me Now (Page 47)

Summer, Winter, Rainy

### Tell Me Now (Page 49)

1. Wood, 2. Grass, 3. Leaves

### Learn and Revise

- A. 1. (c) Both                      2. (c) Raincoat                      3. (b) house  
B. 1. W O O L                      2. L E A T H E R                      3. C O T T O N  
C. (a) (iii) Breakfast                      (b) (iv) Winter                      (c) (ii) Leather                      (d) (i) Igloo  
D. 1. We need food to live. Food also help us grow.  
2. We need clothes to cover our body and to look smart. Clothes protect our body from cold, heat and dust.  
3. A house becomes home when a family lives in it.  
E. 1. (c) Cooking                      2. (a) Bathing                      3. (b) Sleeping

### Hots (Think and Answer)

We eat healthy food to keep our body fit and healthy.

### Let's Talk

Raju will be more healthy than Aayush because he eat food which has vitamins and minerals.

### Explore More

1. Its depend upon your choice
2. Do it yourself

## Chapter – 7 Keeping Fit

### Tell Me Now (Page 53)

2, 4, 5, 6, 1, 3

### Tell Me Now (Page 55)

G, B, B, B, G, B

### Tell Me Now (Page 56)

1. Take a bath
2. Take proper sleep for 8 hours every night
3. Do daily physical exercise
4. Run daily in morning
5. Take healthy foods for breakfast on time

### Learn and Revise

- A. 1. (b) Good                      2. (c) daily                      3. (b) take rest  
B. (b), (d), (e)  
C. 1. We need a good health because healthy body keeps our mind healthy.  
2. Exercise make our body healthy and strong.  
3. Cleanliness keeps harmful germs and insects away from us. So, we should keep ourselves and our surroundings clean.  
D. 1. (b) we can fall ill                      2. (d) eight hours every day                      3. (a) in being fit  
4. (c) in keeping good health.  
E. 1. REST                      2. CLEAN                      3. BATH                      4. BRUSH

### Hots (Think and Answer)

We brush our teeth twice a day to keep them **clean and healthy**.

## Let's Talk

Exercise makes our body healthy and strong. We must exercise daily.

## Explore More

- |                      |                        |                         |
|----------------------|------------------------|-------------------------|
| 1. 1. Brushing teeth | 2. Taking bath         | 3. Swimming             |
| 4. Washing hands     | 5. Eating healthy food | 6. Drinking clean water |
| 2. Do it yourself    |                        |                         |

## Chapter – 8 Air Around Us

### Tell Me Now (Page 59)

3, 5, 6, 7, 8

### Tell Me Now (Page 60)



- 1.
2. a. I cannot live without air.      b. I can live without air.  
c. I cannot live without air.      d. I cannot fly without air.

### Learn and Revise

- A. 1. (c) living      2. (b) breathe      3. (a) Air      4. (b) storm  
B. 1. feel      2. wind      3. air      4. weight  
C. 1. (d) All around us      2. (a) Air helps to move      3. (b) Air takes up space  
4. (c) Fast and strong wind  
D. 1. We need air to breathe and remain alive. People, animals and plants cannot live without air.  
2. We cannot see air but we can feel it when it moves.  
3. Moving air is called wind.  
4. Windmill, Glider

### Hots (Think and Answer)

Balloon become heavier when it feel with air.

## Chapter – 9 Safety First

### Tell Me Now (Page 65)

Red, Yellow, Green

### Tell Me Now (Page 67)

a. queue b. alone c. zebra

### Tell Me Now (Page 68)

- (i) (b) I can burn      (ii) (d) I can fall and get hurt  
(iii) (a) I can get electric shock      (iv) (c) I can cut the finger

### Learn and Revise

- A. 1. (b) Safety      2. (c) footpath      3. (c) zebra crossing  
B. 1. ✗      2. ✗      3. ✗      4. ✓  
C. 1. open      2. clear      3. queue      4. window

- D. 1. Before you cross a road, look right, then left, and then right again. If no vehicle is coming from any side, then only cross the road.  
2. We should walk on the left side of the road.  
3. When someone gets injured give him first aid treatment and then call doctor.

### Explore More

1. 2, 5, 6
2. Ok, Zebra crossing, Turn to left, Turn to right

### Hots (Think and Answer)

While playing in a park, we should not climb a tree or hang from its branches because we may fall and it is dangerous for us.

## Chapter – 10 Water

### Tell Me Now (Page 72)

1. bath
2. planting trees
3. cleaning
4. washing
5. washing

### Tell Me Now (Page 73)

Cooking food, Putting out fire, Washing utensils

### Tell Me Now (Page 74)

RIVER, LAKE, WELL, POND, SEA, HANDPUMP

### Learn and Revise

- A. 1. (b) living                      2. (c) both                      3. (c) clean  
B. 1. Well                              2. Purifier                      3. Sea  
C. 1. Drink, cook food  
2. Rain, River, Lake  
3. We Must always drink clean water. Drinking impure water can make us sick. If water is not clean, we must boil and filter it before drinking.  
4. We get underground water from wells, tubewells and handpumps.  
D. 1. (d) Underground water  
2. (a) Clean water  
3. (c) Salty water  
4. (b) Purified water

### Word Search

RIVER, TANK, WELL, POND, LAKE, OCEAN, SEA

### Hots (Think and Answer)

We should not waste water. We should use only as much water as we need. Water is precious. We have to save it.

### Explore More

1. Cross, Cross
2. Students can do yourself



## Chapter – 11 Weather and Seasons

### Tell Me Now (Page 79)

Windy, Hot, Rainy, Spring

### Tell Me Now (Page 80)

Tick, Round, Tick, Round, Tick

### Tell Me Now (Page 81)

Windy day: 2, 5

Rainy day: 1, 3, 4

### Learn and Revise

- A. 1. (a) cotton                      2. (a) raincoat                      3. (a) Weather  
B. 1. F                                      2. F                                      3. T                                      4. T  
C. 1. (d) hot day                      2. (a) cold day                      3. (b) rainy day                      4. (c) storms  
D. 1. We wear woolen clothes in winter.  
2. We wear cotton cloth in summer.  
3. We see a rainbow in the sky after it rains.

### Hots (Think and Answer)

We see a rainbow in the rainy season.

### Word Search

Summer, Winter, Rainy, Autumn

### Explore More

Students can do yourself

## Chapter – 12 Materials Around Us

### Tell Me Now (Page 84)

Name of the objects: a. Shoes      b. Belt      c. Pencil      d. Toys      e. Eraser      f. Pot  
Name of materials: a. leather      b. leather      c. rubber      d. rubber      e. rubber      f. clay  
Use of the objects: a. Wear      b. wear      c. writing      d. playing      e. erasing      f. drinking

### Tell Me Now (Page 86)

Table, Chair, Glass, Cup, Water bottle

### Tell Me Now (Page 88)

a. (ii) Leather                      b. (iv) Glass                      c. (v) Silk                      d. (iii) Clay                      e. (i) Rubber

### Learn and Revise

- A. 1. (a) Wood                      2. (c) metals                      3. (a) rubber  
B. 1. steel                              2. leather                              3. clay                              4. plastic  
C. 1. We get leather from the skin of dead animals.  
2. Balloons are made up of rubber.  
3. We get wool from wool.  
D. 1. plastic                              2. tree                              3. cotton                              4. silk

### Hots (Think and Answer)

We should not cut trees because it gives us clean air and rain which is necessary for human being survival.

### Life Skills

- a. Gold                      b. Cotton                      c. Wool                      d. Water

### Explore More

Students can do yourself

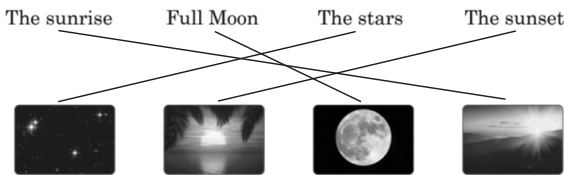
## Chapter – 13 Up in the Sky

### Tell Me Now (Page 92)

It is Sun. We see the Sun in day.

It is Moon. We see the Moon in night.

### Tell Me Now (Page 94)



### Learn and Revise

- A. 1. (a) The moon                      2. (c) heat                      3. (a) west  
B. 1. (b) rises in the east.              2. (c) shines at night.              3. (a) have different shapes  
C. 1. The sun gives us heat and light.              2. The sun set in the west.  
3. When the moon looks like a ball, we call it full moon.              4. We see stars in the night.  
D. 1. Sun                      2. Moon                      3. Stars  
E. Tick (1), Tick (3), Tick (4)

### Hots (Think and Answer)

Night sky different from a day sky due to sun and moon.

### Life Skills

Students can do yourself

### Explore More

1. Students can do yourself  
2. B. Sky, A. The moon, B. The Sun, B. Clouds

## Chapter – 14 Going into the Space

### Tell Me Now (Page 98)

The Moon, Astronaut, Rocket

### Tell Me Now (Page 100)

Rakesh Sharma, Kalpana Chawla, Sunita Williams

## Learn and Revise

- A. 1. (c) space suit                      2. (c) Rakesh Sharma                      3. (c) into space.  
B. 1. A person who goes into space is called an astronaut.  
2. Yuri Gagarin was the first person to go into space.  
3. Rakesh Sharma was the first Indian to go into space.  
C. 1. F    2. F    3. F    4. F  
D. 1. (e) Stayed in the space about six months    2. (d) First Indian woman to go to the space  
3. (a) First Indian to go into space                      4. (b) First person to go into space  
5. (c) First person to go to the Moon

## Hots (Think and Answer)

It is not possible today to live on the Moon due to no air on the Moon, but for future human beings surely stay at the Moon also.

## Explore More

Students can do yourself

### Test Paper – 1

1. a. kennel                      b. green                      c. spices                      d. five  
2. a. iii. To taste                      b. i. Nest                      c. iv. Bathing                      d. ii. Have thorns  
3. a. A bee's home is called hive.  
b. Plants need light, air, water to grow.  
c. Food provides energy. Food is needed for growth. Food helps in maintaining good health.  
d. Eyes, Ear, Nose, Tongue, Skin are five sense organs.  
4. EYE, SKIN, EAR, NOSE, TONGUE  
5. Vegetables: Carrot, Radish  
Insects: Bees, Ants  
Fruits: Mango, Papaya  
Shrubs: Rose, Hibiscus

### Test Paper – 2

1. a. (i) Air                      b. (ii) living                      c. (i) The moon                      d. (iii) daily  
2. a. iii. Rakesh Sharma                      b. iv. Star                      c. ii. A well                      d. i. Storm  
3. a. The sun gives us light, heat, and energy  
b. A person who goes into space is called an astronaut.  
c. Water is used for drinking, harvesting and house.  
d. We should always walk on the left side on the road.  
4. a. F    b. T    c. F    d. F