



CLASS: 3

SUBJECTS: Science

Prepared By: Deepali P.

LESSON-5: Our Earth

I. Key words:

1. Living planet
2. Blue planet
3. Pole
4. Sphere
5. Movement
6. Rotation
7. Revolution
8. Axis
9. Spin
10. Refuse
11. Recycle
12. Reduce
13. Rot
14. Reuse
15. Globe
16. Rot

II. Pre activity: Draw picture of Earth and colour it.

III. Name the following

Q.1. The path along which it revolves around the sun

Ans- Orbit

Q.2. This is caused by spinning of the Earth

Ans- Rotation

Q.3. The two ends of the axis

Ans- Poles

Q.4. The gas in the air which all living things need to survive

Ans- Oxygen

IV. Give reasons for each of these.

Q. 1. The earth is a unique planet.

Ans: In the solar system, only Earth has life. Hence, Earth is a unique planet

Q. 2. When it is daytime in India, it is night in the USA.

Ans: As the Earth rotates, the part facing the sun has day while the part away from the sun is dark and has night. Hence, when it is daytime in India, it is night in the USA.

IV. Answer these questions in brief.

Q. 1. What is the shape of the Earth?

Ans: The shape of the Earth is like a sphere that is slightly flattened at the poles

Q. 2. Define rotation and revolution.

Ans: The rotation is spinning of the Earth on its axis.

The revolution is the movement of the Earth around the sun in its orbit.

Q. 3. What does the revolution of the Earth cause?

Ans: The revolution of the Earth causes seasons.

V. Answer the questions in detail.

Q.1. What makes the earth a living planet?

Ans: Earth is called a living planet because it is the only planet with life on it as it has air, water and the right temperature for life.

Q. 2. How can you say that the shape of the Earth is spherical?

Ans: While sitting on a beach, if you look at a ship sailing away, you will notice that as it moves farther, its lower part disappears first and then the top part. This happens because the ship is moving on a curved path. This proves that the Earth is round.

Q.3. Differentiate between the two movements of the Earth.

Ans: The movement of the Earth on its axis is known as rotation. The Earth takes 24 hours to complete one rotation. This constitutes one day. The Earth rotates from west to east resulting in day and night.

The revolution of the Earth is its movement on a fixed path around the sun. This fixed path taken by the Earth is known as its orbit. The Earth takes $365\frac{1}{4}$ days to go around the sun to complete one revolution. The revolution of the Earth causes seasons.

VII. Out of the box:

Q.1) what would happen if the Earth stops rotating? How would it affect our lives?

Ans: If the Earth stops rotating, half of the Earth would almost continuously face the heat of the sun, while half would face the cold of space. Most of the Earth would rapidly become very inhospitable.

VIII. Picture talk

Q1. The Earth is not well. It is suffering from high fever. What could be the reasons that led to the Earth falling sick? Give any two points.

Ans: The reasons that led to the Earth falling sick are:

A. cutting down of trees to build houses, offices, industries, etc.

B. Smoke from vehicles and factories has made the air dirty

C. Waste dumped by the industries and houses in the waterbodies has made the water dirty

Post activity: Draw a Chart of, how to keep your surrounding clean.

Subject Teacher

H.O.D.

Co-coordinator

Principal