

NEW BHARATH MATRICULATION HIGHER SECONDARY SCHOOL,
THIRUVARUR
V- STD
SOCIAL SCIENCE

LESSON – 1 – OUR EARTH

I. Fill ups:

1. The distance between the earth and the sun is 150 million kilometer
2. Season is caused due to revolution of the earth.
3. Antarctica continent is covered by ice.
4. The biggest continent is Asia
5. Mars is described as red planet.
6. 71% of our earth is covered by salt water.

II. Match it:

1. Smallest continent - Australia
2. Blue planet - Earth
3. Neptune - Farthest planet

III. Short Answer :

1. Define the origin of the earth?
 - Million of years ago an explosion called the big bang occurred.
 - Numerous stars and celestial bodies came into existence by massive explosion.
 - These celestial bodies together called the universe.
2. Define solar system?
 - The sun and the eight planets are called solar system.
3. How many oceans are there in the earth?

There are five oceans in the earth. They are

 - Pacific ocean
 - Indian ocean
 - Southern ocean
 - Atlantic ocean
 - Arctic ocean
4. Distinguish between Rotation and Revolution?

Rotation	Revolution
The earth rotates on its axis is called Rotation.	The earth rotate itself and revolves around the sun is called Revolution.
It causes day and night	It causes seasons.

IV. Paragraph :

1. What do you know about universe?
 - The universe is a vast expanse of space.
 - The universe consists of billions of galaxies, star, planets, comets, asteroids, meteoroids and natural satellites.
 - The exact size of the universe is still unknown.
2. Write about the nature of the planet earth?
 - Earth is the third nearest planet from the sun.
 - Earth is called the blue planet.
 - Because 71 % of the earth surface is covered by sea water.
 - Earth is the only planet where human being live.

V. Answer in detail:

1. Draw the solar system and write about it?
 - The sun and the eight planets are called solar system.
 - Mercury and Venus lie near the sun.
 - Next to earth is mars, Jupiter, Saturn, Uranus and Neptune.
 - Mercury is the smallest planet.
 - Venus is called earth's twin
 - Mars is called Red planet.
 - Earth is called Blue planet.
 - Saturn is Ringed planet.

Additional questions

I. Fill ups:

1. The universe is a vast expanse of space.
2. Galaxy has a huge cluster of stars
3. Pluto is a dwarf planet.
4. There are eight planets in the solar system.
5. The frozen planets are Uranus and Neptune.

II. True or False:

1. Jupiter is a red planet – False
2. Day and night are caused due to the earth's rotation – True.
3. In India summer season is March to December – False
4. Mercury lies near the sun – True.

III. Question and Answer:

1. Why life is possible on earth?
Life is possible on earth because of the presence of land, air and water.
2. What are all Terrestrial planets?
The inner – rocky planet such as Mercury, Venus, Earth and Mars are called Terrestrial planet.
3. How many continents in the world? Name them?
There are 7 continents in the world. They are
 - Asia
 - Africa
 - North America
 - South America
 - Antarctica
 - Europe and
 - Australia

Activity 1:

Ask the students to draw the solar system in chart.

Activity 2:

Mark the oceans & Continents in the world map.

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LESSON – 2 – TOWARDS HISTORY

I. Choose the best answer:

1. Palaeolithic humans wore leaves and skin of animals
2. The animal tamed by early human was Dog
3. The first metal invented by early human was Copper.

II. Fill in the blanks:

1. Early man lived in jungles
2. The period before the inventions of scripts was called Stone Age
3. The period that used iron tools was called Iron Age
4. The first scientific invention was Wheel
5. Name one site where historical research is still going on Arikkamedu (or) Athichanallur

III. Answer in details:

1. What is Stone Age?
 - The stone age is the period in which stones were used as weapons.
 - In this period, people were not aware of any weapons or metals.
 - In this period humans were not aware of scripts.
2. Define Neolithic age?
 - The last and third part of the stone age was Neolithic age.
 - It is also called New stone Age.
 - Agriculture was developed in this period.
 - Tools and weapons were made of polished stones.
3. In which age stone and copper were used?

Stone and Copper were used in Chalcolithic Age.
4. What are the sources that help us to learn history?

The sources that help us to learn history are,

 - Artifacts
 - Pots
 - Ornaments
 - Coins
 - Idols
 - Weapons
 - Written documents etc.,
5. What is a museum?

Museum is a place where objects which are rare and used by our ancestors are preserved. These give information about the lives of people.
6. How can we classify the prehistoric period?

The prehistoric period is divided into 5 parts. They are

 - Paleolithic age
 - Mesolithic middle age
 - Neolithic age
 - Chalcolithic age and
 - Iron age
7. Classify Paleolithic and Neolithic tools?
 - Early humans used quartzite stone for making tools
 - Tools and weapons were not polished
 - They used stones to hunt animals and to produce fire.
 - Neolithic tools were made of polished tools.
 - They used the tools not only for hunting but also for agriculture.

Additional question and answer:

I. Fill ups:

1. Paleolithic age is also called Old stone age.
2. Early humans used stones to produce fire.
3. Early humans led a Momadic life.
4. Early humans wore leaves skin of animals and barks of tree to cover their body.
5. The period which has written documents are called historical period.

II. Match the Following:

- | | | |
|-----------------------|---|---------------|
| 1. Study of coins | - | Numismatics |
| 2. First tamed animal | - | Dog |
| 3. First invention | - | Wheel |
| 4. B.C | - | Before Christ |
| 5. C.E | - | Common era |

III. True or False:

1. Copper was the first metal invented by early humans – True
2. A.D means Anno Domini – True
3. Early humans ate cooked food – False.

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LESSON – 3 – GOOD CITIZEN

I. Fill ups:

1. The word civic means Citizen of a nation.
2. The main objective of education is to change person to Valuable Person
3. Man is a Social Animal
4. Always be Punctual in delivering duty.

II. Match it:

- | | | |
|----------------------|---|-------------------|
| 1. Natural Character | - | Good value |
| 2. Culture | - | Language |
| 3. Society | - | Tolerance |
| 4. Duty | - | Punctuality |
| 5. Unemployment | - | Affecting Factor. |

III. Question and Answer:

1. Define the term citizen?
Citizen is a member of a country.
2. List out any five personal values?
 - Faith
 - Honesty
 - Truth
 - Friendship
 - Love
 - Mercy
 - Peace etc., are some of the personal value.
3. What are the social values?
 - Maintain good relations with people
 - Respect elders
 - Respect nature
 - Be tolerant
 - Maintain friendship.
4. What are disciplinary values?
 - Punctuality
 - Involvement
 - Treating every one as equal
 - Doing work on time
 - Holding your morals etc.,

IV. Answer in detail:

1. Write any five factors that enrich good values?
Factors that enrich good values are
 - Literacy
 - Creating awareness and interests
 - Trying hard till success
 - One's own evaluation
 - Acceptance
 - Self confidence.
2. Write about the constitutional values?
 - Safeguard the public properties
 - Maintain the unity and integrity of the nation

- Develop scientific attitude.
- Protect the natural resources.
- Care for the environment.
- Honour the national symbols are some of the constitutional values.

Additional Questions:

I. Fill ups:

1. Human beings think and act using their senses.
2. Good values are the qualities of a person that keep society running
3. Today's children are tomorrow's citizens of the nation.
4. Wash hands before and after meals.

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LESSON – 4 – ATMOSPHERE

I. Choose the correct answer:

1. The atmosphere is divided into Four layers.
2. The carbon dioxide is 0.03 % in the atmosphere.
3. The world weather day March 23.
4. the Indian standard meridian passes through Allahabad
5. Zone located in between tropic of cancer and tropic of Capricorn is Torrid zone
6. Anemometer is used to measure pressure in the air.
7. The picture shows the direction of South west monsoon rain.
8. Monsoon is derived from the Arabian word.
9. Vertical cloud is called Nimbus clouds.
10. Cumulus cloud give convectional rainfall.
11. Which of the statement is true I and II

II. Fill in the blanks:

1. The Study about the weather is called Meteorology
2. The instrument used to measure heat Calorimeter
3. The imaginary lines drawn parallel to the surface of the earth is Meridians
4. Nimbus are rain clouds.

III. Match it:

- | | | |
|-------------------|---|------------------|
| 1. Cirrus clouds | - | do not give rain |
| 2. Stratus clouds | - | Grey sheet |
| 3. Cumulus clouds | - | cotton |
| 4. Nimbus clouds | - | storm cloud |

IV. True or False:

1. Latitudes and longitudes are used to calculated time zone. True
2. Latitudes and longitudes help us to locate a country. True
3. Atmosphere gets heated by conduction than solar. True
4. The main reason change of wind direction is earth's rotation. True
5. Cyclone moves in anti-clock wise direction. True

V. Write short notes:

1. What is weather?
Weather is a day to day conditions of atmosphere at any place in regard to temperature pressure, wind humidity and rainfall.
2. What are the atmospheric layers?
The atmospheric layers are
 - Lithosphere
 - Hydrosphere
 - Atmosphere
 - Biosphere
3. Write about Nimbus clouds.
 - Nimbus clouds give heavy rainfall
 - It appears as dark or grey is colour.
4. Illustrate or graphic rain fall with a diagram?
 - When the moisture laden winds from the sea climb the hill slope, it becomes and cause heavy rainfall.
 - The opposite side of the mountain receives very little rainfall.

VI. Answer in detail:

1. Write about jet streams?

- Air currents in the upper layers of atmosphere is known as jet streams.
- It could determine the arrival and departure of monsoon winds in India.

2. Explain the types of winds?

The different types of winds are,

- Monsoon winds: It is divided into two types
South West monsoon winds.
North East monsoon winds.
- Local wind: it is divided into two types
Warm Local wind
Cool Local wind
- Jet streams
- Hurricane or cyclone
- Sea breeze
- Land breeze
- Planetary wind

3. Write about "Weather factory" ?

- When the clouds of positive and negative (+, -) charge hit each other lightning and thunder are produced.
- Light travels faster than sound
- So thunder follows lightning .
- When all the features together activate at the same time it is called weather factory.

Additional Questions:

I. Fill ups:

1. The nature materials and living things including Sunlight are called environment.
2. There are three types of pollutions.
3. Clouds are divided into four types.
4. Condensation of the wind causes rainfall.
5. Rain water must be saved.

II. Question and Answer:

1. What is Loo?

The ' Loo' is a strong, dusty, gusty, hot and dry summer wind.
It occurs in desert areas.

2. What is Torrid zone?

The zone between Tropic of Cancer and tropic of Capricorn is called Tropical or Torrid zone.

3. Which is the highest mountain in the world?

The highest mountain in the world is "Himalayas"

4. Name some mountain peaks?

- Mount Everest
- Kanchenjunga
- Dhaulagiri
- K2
- Nanga parbat

5. What is wind?

The air which moves horizontally from high pressure to low pressure area is called wind.