

The background is a vibrant purple color, densely decorated with various mathematical sketches and formulas in a light purple or white color. These include geometric shapes like triangles, circles, spheres, and cubes, along with algebraic and geometric formulas such as $A = \pi r^2$, $V = \frac{4}{3}\pi r^3$, $A = bh$, and the quadratic formula $\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$. Some elements are labeled with terms like 'hyp', 'adj', 'opp', 'd₂', and 'r'.

SCIENCE CLASS 1

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Living and NonLiving Things

- Q.1. Name four things around us.
- Q.2. Name the two groups of things.
- Q.3. Are living things different from non-living things? State yes or no.
- Q.4. What are the characteristics of living things?
- Q.5. Living things have _____ ones.
- Q.6. Living things eat _____.
- Q.7. _____ things grow.
- Q.8. Living things can move from _____ to _____.
- Q.9. _____ things breathe.
- Q.10. Living things _____.
- Q.11. Are plants living things? State yes or no.
- Q.12. A small plant grows from a _____ to become a _____.
- Q.13. Dogs live for _____ to _____ years and then _____.
- Q.14. What are characteristics of non living things?
- Q.15. Give examples of non-living things.
- Q.16. Name the two groups of non living things.
- Q.17. What are natural things?
- Q.18. Name some natural things which are non-living.
- Q.19. Name some man-made things.

Lesson Plan

Explain :

1. Things
2. Examples of things.
3. Divisions of things.
4. Characteristics of living things.
5. Explain about Plants.
6. Characteristics of non living things.
7. Divisions of non living things.
8. Natural things.
9. Examples of Natural Things.
10. Man made things
11. Examples of Man made things.

Vocabulary

Hard Words

Things, plants, animals, human beings, divided, groups, living, non living, different, characteristic, breathe, natural things, created, mountains, clothes

The world of plants

- Q.1. Where do we find plants?
- Q.2. Plants make _____ colourful.
- Q.3. All plants do not have the same _____ and _____.
- Q.4. Some plants are tall and strong while some are _____ and _____.
- Q.5. Name the different types of plants.
- Q.6. What are trees?
- Q.7. Trees have a thick, brown, woody stem called _____.
- Q.8. What are shrubs?
- Q.9. Trees live for many years while shrubs live for a _____.
- Q.10. What are herbs?
- Q.11. Name three trees.
- Q.12. Name three shrubs.
- Q.13. Name three herbs.
- Q.14. What are climbers?
- Q.15. Name three climbers.
- Q.16. What are creepers?
- Q.17. Name two creepers?
- Q.18. Name the parts of a plant.
- Q.19. Which part of the plant is known as the 'Kitchen of the Plant'?
- Q.20. Leaves make _____ for the plant.
- Q.21. What is the function of root?
- Q.22. Roots _____ under the ground.
- Q.23. Stem _____ above the soil.
- Q.24. What is the function of the stem?
- Q.25. A flower is _____ and _____.
- Q.26. A flower produces _____ and _____.
- Q.27. A fruit is mostly eaten _____.
- Q.28. Most fruits have _____ inside them.
- Q.29. Which is the largest flower?

Lesson Plan : The World of Plants

Explain :

1. Where are trees found?
2. What is the effect of trees on the world?
3. Similarities and differences among plants.
4. Types of plants.
5. Lifespan of different kinds of plants.
6. Examples of different kinds of plants.

7. Parts of a plant.
8. Location of different parts of a plant.
9. Functions of different parts of a plant

Vocabulary : The world of plants

Plants, around, outside, colourful, thick, woody, trunk, bushy, shrubs, herbs, climbers, upward, without, support, plants, sticks, watermelon, pumpkin, creepers, leaves, kitchen, underground, firmly, minerals, leaves, flowers, fruits, carries, , beautiful, fruits, seeds, mostly

In a nutshell : The world of Plants

- We see many types of plants around us.
- Very big, tall and strong plants are called trees.
- Small plants with bushy and woody stems are called shrubs.
- Plants with soft, green stems are called herbs.
- Plants that grow with the support of other plants are climbers.
- Creepers are the plants that grow along the ground.
- Roots grow under the ground.
- Leaves are called 'Kitchen of the Plant'.
- Stems grow above the ground.

Food From Plants

- Q.1. Why do we need food?
- Q.2. Most of the food we eat comes from _____.
- Q.3. We eat the _____ or we squeeze the fruit to make its _____.
- Q.4. Name three fruits.
- Q.5. We cook most _____ before eating while some are _____ raw.
- Q.6. Cooking makes vegetables _____ and _____.
- Q.7. Name five vegetables.
- Q.8. What is a potato?
- Q.9. Which products are given by plants?
- Q.10. _____ give us energy to play and work.
- Q.11. Name three cereals.
- Q.12. _____ help us to grow.
- Q.13. Name three pulses.
- Q.14. _____ makes our food sweet.
- Q.15. We cook food in _____.
- Q.16. Name two sugar rich foods.
- Q.17. Name three types of oil.
- Q.18. Spices make our food _____.
- Q.19. _____ and _____ are refreshing drinks.

Lesson Plan : Food From Plants

Explain :

1. Why do we need food?
2. Source of food.
3. What is the source of fruits?
4. How are fruits used?
5. Name three fruits.
6. What is the source of vegetables?
7. How are vegetables used?
8. What is the use of cooking?
9. Name five vegetables.
10. What is the source of cereals?
11. What is the use of cereals?
12. Name three cereals.
13. What is the source of pulses?
14. How are pulses helpful?
15. Name three pulses.
16. What is the source of sugar?

17. What is the use of sugar?
18. What is the source of oil?
19. What is the use of oil?
20. Name different types of oil.
21. What is the source of spices?
22. What is the use of spices?
23. What is the source of tea and coffee?
24. What is the use of tea and coffee?
25. Which food items come from plants?

Vocabulary : Food From Plants

Strong, healthy, fruits, whole, squeeze, juice, vegetables, eating, eaten, cooking, brinjals, ladies' fingers, tomatoes, carrots, spinach, grapes, cereals, energy, wheat, pulses, chickpeas, kidney beans, sugar, sweet, groundnuts, mustard, sunflower, clove, cardamom, coriander, turmeric, spices, coffee, refreshing, drinks, sources

In a Nutshell : Food From Plants

- Food makes us strong and healthy.
- We cook most vegetables before eating while some are eaten raw.
- Cereals give us energy to play and work.
- Sugar makes our food sweet.

Questions : The world of animals

- Q.1. Where do animals live?
- Q.2. Who are wild animals?
- Q.3. Give examples of wild animals.
- Q.4. Why do we tame animals?
- Q.5. Who are domestic animals?
- Q.6. We get _____ from sheep.
- Q.7. We get _____ from cows.
- Q.8. We get _____ from hen.
- Q.9. We get _____ from goats.
- Q.10. Bullocks are used to _____ a field.
- Q.11. Bullocks are used to _____ a cart.
- Q.12. Who are pet animals?
- Q.13. Name some domestic animals.
- Q.14. Name some pet animals.
- Q.15. Birds are also _____.
- Q.16. Birds have two _____ and two _____.
- Q.17. What helps birds to fly?
- Q.18. What are the features of birds?
- Q.19. The bodies of birds are covered with _____.
- Q.20. Birds do not have _____.
- Q.21. Birds eat with their _____.
- Q.22. Name some birds.
- Q.23. Which birds cannot fly?
- Q.24. Most insects have _____ legs.
- Q.25. Insects can _____ with the help of their wings.
- Q.26. Name some insects.
- Q.27. Who are aquatic animals?
- Q.28. Name some aquatic animals.
- Q.29. Which is the largest animal on earth?

Lesson Plan : The world of animals

Explain :

1. Where do we find animals?
2. Name some big animals.
3. Name some small animals.
4. Who are wild animals, domestic animals, pet animals, birds, insects and aquatic animals?
5. Give examples of wild animals, domestic animals, pet animals, birds, insects and aquatic animals?

6. Explain the features of birds with examples.
7. Give examples of birds.

Vocabulary : The world of animals

Animals, different, camels, elephants, leopard, forests, domestic, plough, bodies, covered, feathers, beaks, ostrich, penguin, mosquito, wingless, octopus, starfish, aquatic

In a nutshell : The world of animals

- Animals are of different sizes and shapes.
- Animals that live in forests are known as wild animals.
- We tame some animals to get work or food from them.
- Starfish, sharks and whales live in water.
- Birds have feathers.

Questions : Food and shelter for animals

- Q.1. Why do animals need food?
- Q.2. Why do animals need home?
- Q.3. What are plant eating animals called?
- Q.4. What are flesh eating animals called?
- Q.5. Name some herbivores.
- Q.6. Name some carnivores.
- Q.7. What are plant and flesh eating animals and birds called?
- Q.8. Name some omnivores.
- Q.9. Who are insect eating animals?
- Q.10. Name some insect eating animals.
- Q.11. Name some grain eating animals.
- Q.12. A giraffe lives _____ a tree.
- Q.13. A lion lives in a _____.
- Q.14. A monkey lives on a _____.
- Q.15. Name some animals which make their own homes.
- Q.16. Birds live in _____.
- Q.17. Bees make _____ to live.
- Q.18. A spider spins _____.
- Q.19. A rabbit digs a _____.
- Q.20. Which animals get their home built by humans?
- Q.21. Dog lives in _____.
- Q.22. Horse lives in _____.
- Q.23. Cows live in _____.

Lesson Plan : Food and shelter for animals

Explain :

- 1. Why do animals need food?
- 2. Why do animals need shelter?
- 3. Who are herbivores, carnivores, omnivores, insect-eating animals, grain eating animals?
- 4. Give examples of herbivores, carnivores, omnivores, insect-eating animals, grain eating animals?
- 5. Give examples of homes of different animals.
- 6. Explain which animals
 - a. find some place to live

- b. Make their own homes
- c. Whose home is made by humans

Vocabulary : Food and shelter for animals

Living, beings, elephant, herbivores, carnivores, animals, omnivores, chameleon, insects, eating, sparrow, pigeon, shelter, enemies, giraffe, monkey, spider, rabbit, burrow, kennel, stable, shed

In a Nutshell : Food and shelter for animals

- Animals need food to be strong.
- Animals that eat plants are called herbivores.
- Animals that eat flesh are called carnivores.
- Animals that eat both plants and flesh are called omnivores.
- Squirrels, hens and rats are grain eating animals.
- The Lizard, spider, chameleon eat insects.
- Animals need shelter to safe from heat, cold, rain and enemies.
- Some animals find places to live. They do not build their own homes.
- We make a shed for some animals.

Questions: My Body

- Q.1. Our body is made up of _____.
- Q.2. At the top of our body is the _____.
- Q.3. The front side of our head is our _____.
- Q.4. There are how many eyes?
- Q.5. What is the function of the eye?
- Q.6. How many ears do we have?
- Q.7. Where are ears located?
- Q.8. What is the function of ears?
- Q.9. How many mouths do we have?
- Q.10. What do we do with our mouth?
- Q.11. Where are teeths located?
- Q.12. What do we do with our teeth?
- Q.13. How many tongues do we have?
- Q.14. What do we do with our tongue?
- Q.15. How many lips do we have?
- Q.16. How many noses do we have?
- Q.17. What do we do with our nose?
- Q.18. How many cheeks do we have?
- Q.19. How many chins do we have?
- Q.20. How many forehead do we have?
- Q.21. We have _____ on top of our heads.
- Q.22. How many arms do we have?
- Q.23. How many hands do we have?
- Q.24. How many fingers do we have?
- Q.25. We have _____ on our fingers.
- Q.26. What is the use of our hand?
- Q.27. How many legs do we have?
- Q.28. What do we do with our legs?
- Q.29. Each leg has a _____, _____ and _____.
- Q.30. How many toes do we have?
- Q.31. Each foot has _____ toes with _____.
- Q.32. Where is the skin found?
- Q.33. What is the function of skin?
- Q.34. Name the sense organs.
- Q.35. What is the function of our tongue?

Lesson Plan : My body

Explain :

1. The different body parts with number and function.
2. The parts of different body parts.
3. The features of different body parts.
4. Name different sense organs and their function.

Vocabulary : My body

Parts, different, functions, things, around, sounds, mouth, inside, tongue, breathe, forehead, fingers, write, thigh, whole, covered, something, touches, everything, surroundings

In a nutshell : My body

- Each part of our body has a different name and function.
- Eyes help us to see things around us.
- Ears help us to hear different sounds.
- We can speak, talk and eat with our mouth.
- There is hair on our head.
- Hands help us to eat, write, draw etc.
- Each foot has five toes and toe-nails.

Questions : Food for Health

- Q.1. Name some food items.
- Q.2. We cannot live without _____.
- Q.3. Food helps us to _____.
- Q.4. Food gives us _____ to work and play.
- Q.5. Which food items are given by plants?
- Q.6. Which food items are given by animals?
- Q.7. Which animals give us milk?
- Q.8. _____ is called a complete food.
- Q.9. _____ makes our bones and teeth strong.
- Q.10. What is a meal?
- Q.11. How many meals do we take in a day?
- Q.12. We take _____ in the morning.
- Q.13. What do we eat for breakfast?
- Q.14. Breakfast is the _____ meal of the day.
- Q.15. When do we take lunch?
- Q.16. What do we eat for lunch?
- Q.17. When do we have dinner?
- Q.18. What do we eat for dinner?
- Q.19. Which food do we get from sea water?

Lesson Plan : Food for Health

Explain :

1. Why is food important?
2. Different sources of food with examples.
3. About meals.
4. Time of meals.
5. Content of meals.

Vocabulary : Food for Health

Without, energy, fruits, vegetables, cereals, pulses, buffaloes, breakfast, morning, butter, chapatis, pickles

In a Nutshell : Food for Health

- We should wash our hands before and after every meal.
- We should eat food at fixed intervals.

- We should not eat in a hurry.
- We must chew our food properly.
- We should eat with our mouths closed.
- We should not eat uncovered food.
- We should eat lots of fruits and vegetables.
- We should drink a lot of clean water.
- We should not waste our food.
- We should not eat junk food very often.

Questions : Housing and clothing

- Q.1. We need _____ to cover our body.
Q.2. Clothes protect us from what?
Q.3. We wear _____ clothes in summer to keep us cool.
Q.4. _____ and _____ protect us from the hot sun.
Q.5. _____, _____ and _____ protect us from getting wet in the rain.
Q.6. Dirty clothes can make us fall _____.
Q.7. Why do we need a house?
Q.8. We rest and sleep in the _____.
Q.9. We cook our food in the _____.
Q.10. We take a bath in the _____.
Q.11. We spend time with our family and guests in the _____.
Q.12. We take our meals in the _____.
Q.13. Why should we keep our windows open?

Lesson Plan : Housing and clothing

Explain :

1. Different types of clothes.
2. Cloths are made up of which material?
3. When are different types of clothes used?
4. Why do we need a house?
5. Different types of rooms.
6. What is the purpose of different rooms?
7. Windows and their uses.

Vocabulary : Housing and clothing

Clothes, protect, cotton, summer, woolen, winter, raincoats, umbrellas, gumboots,, different, bedroom, kitchen, bathroom, drawing room, dining room, windows, sunlight

In a nutshell : Housing and clothing

- Clothes protect us from heat, cold and rain.
- We wear cotton clothes in summer to keep us cool.
- Hats and caps protect us from the hot sun.
- We keep our things we need in our house.
- A house has different rooms for doing different works.

- We take our meal in the dining room.

Questions : Keeping Healthy and Safe

- Q.1. We should wash our hands _____ and _____ eating.
- Q.2. We should take bath _____ and wear _____ clothes.
- Q.3. We should brush our teeth _____ a day.
- Q.4. When should we brush our teeth?
- Q.5. _____ and _____ our hair everyday.
- Q.6. _____ your nails regularly.
- Q.7. Cover your mouth while _____ or _____.
- Q.8. Why do we need rest?
- Q.9. How do we take a rest?
- Q.10. _____ makes our body strong.
- Q.11. Exercise keeps our body and mind _____ and _____.
- Q.12. Name some exercises.
- Q.13. We should sleep for _____ hours in a day.
- Q.14. Following good habits help us to remain _____.
- Q.15. Write some good habits.
- Q.16. What do we mean by safety?
- Q.17. Name some sharp objects.
- Q.18. Do not touch _____ and _____ with wet hands.
- Q.19. Where should we not jump?
- Q.20. We should not hit anyone while _____.
- Q.21. We should always walk on a _____.
- Q.22. We should cross the road at the _____ Crossing.
- Q.23. We should always go out with _____ and _____ their hands.
- Q.24. We should not _____ or _____ on the road.
- Q.25. We should not _____ stray animals.

Lesson Plan : Keeping Healthy and Safe

Explain :

1. How to keep clean?
2. How to keep fit?
3. How to develop good habits?
4. How to keep safe at home while playing at school, on the road?

Vocabulary : Keeping Healthy and Safe

Activities, breakfast, exercise, toilet, uniform, prayers, morning, performs, healthy, stray, washing, brushing, coughing, sneezing, trimming, exercise, healthy, running, jogging, dancing,

swimming, throw, litter, dustbin, safety, danger, different, follow, places, sharp, knife, blade, scissors, match stick, cooking, electric, switches, patiently, corridors, swings, moving, footpath, crossing

In a Nutshell : Keeping Healthy and Safe

- We should keep our body clean, healthy and strong.
- We need rest to keep fit.
- Exercise keeps our body and mind active and healthy.
- Safety means staying away from danger or harm.
- Following good habits help us to remain healthy.

Questions : Air

- Q.1. All living beings need air to _____.
- Q.2. Write properties of air.
- Q.3. What is wind?
- Q.4. Describe how air has weight?
- Q.5. What describes the air force?
- Q.6. When we move against the wind, we feel the _____ of the wind.
- Q.7. Demonstrate that air occupies space.
- Q.8. What are the uses of air?
- Q.9. _____ helps boats to sail and gliders to move.
- Q.10. _____ air can dry wet clothes.
- Q.11. Fast moving air can _____ the blades of a windmill.
- Q.12. Who needs air to breathe?
- Q.13. Where can air be filled?
- Q.14. Air is needed for _____ a fire and to keep it _____.
- Q.15. What is a storm?
- Q.16. What is damaged by storms?
- Q.17. Storms can hurt _____ and _____.

Lesson Plan : Air

Explain :

1. What is air?
2. What is wind?
3. What are the properties of air?
4. How properties of air are demonstrated?
5. What are the effects of properties of air?
6. What are the uses of air?
7. What is a storm?
8. What are the effects of a storm?

Vocabulary : Air

Living beings, survive, around, moving, weighing, balance, heavier, blown, storm, broken, against, force, balloon, becomes, bigger, occupies, gliders, moving, clothes, blades, windmill, people, animals, plants, breathe, footballs, swimming tubes, bicycle, lighting, burning, strong, houses

In a Nutshell : Air

- All living beings need air to survive.
- Air occupies space, it has weight and force.
- Air helps to sail boats and gliders to move.
- Air is filled in footballs, swimming tubes and bicycle tubes.
- Very fast and strong winds can cause storms.

Questions : Water

- Q.1. Water is very _____ for all living beings.
Q.2. Why do we need water?
Q.3. Plants _____ when they do not get water.
Q.4. Animals _____ and _____ in water.
Q.5. Many animals _____ in water.
Q.6. What are ways of using water?
Q.7. What are the sources of water?
Q.8. Rain water fills _____, _____ and _____ in rainy season.
Q.9. What do village people use to get water?
Q.10. Water should be stored in _____ .
Q.11. Where do we store water?

Lesson Plan : Water

Explain :

1. How is water useful?
2. Relation between plants and water.
3. Relation between animals and water.
4. What are the uses of water?
5. What are the sources of water?
6. Explain about storage of water.

Vocabulary : Water

Essential, living beings, alive, various, purposes, bathe, brushing, drinking, cleaning, bathing, ourselves, washing, utensils, cooking, clothes, swimming, sailing, putting, different, sources, mountains, melts, cleaned, through, rainwater, villages, hand-pumps, containers, earthen

In a nutshell : Water

- Water is essential for all living beings
- The water that we drink should be clean and safe.
- If plants do not get water they will die.
- Many animals live in water.
- Water is used in many ways : drinking, bathing, cooking, cleaning, etc.
- Snow melts and the water comes down as rivers.
- People living in villages use hand-pumps and wells to get water.
- Water can be stored in water tanks, drums etc.

Questions : Weather and Seasons

- Q.1. What is the weather?
- Q.2. What is a sunny day?
- Q.3. What is a rainy day?
- Q.4. What is a cloudy day?
- Q.5. What is a windy day?
- Q.6. When do we see a rainbow?
- Q.7. What are seasons?
- Q.8. Name the three main seasons?
- Q.9. Describe the summer season?
- Q.10. Describe the winter season?
- Q.11. Describe the rainy season?
- Q.12. We like to wear light _____ clothes to keep us cool.
- Q.13. What do we drink in the summer season?
- Q.14. We wear _____ clothes to keep us warm.
- Q.15. What do we drink in the winter season?
- Q.16. There are dark _____ in the sky in the rainy season.
- Q.17. We use _____, _____ and _____ to stay dry in the rainy season.

Lesson Plan : Weather and Seasons

Explain :

1. Explain weather and their day to day change.
2. Explain seasons and the three seasons.
3. Explain clothes, drink and environment in different seasons.

Vocabulary : Weather and Seasons

Condition, around, weather, changing, state, atmosphere, sunny day, rainy day, cloudy day, windy day, shines, brightly, rainbow, sometimes, clouds, windy, strong, months, season, clothes, air-conditioned, during, woolen, umbrellas, raincoats, gumboots

In a nutshell : Weather and Seasons

- The condition of the air around us is called weather.
- We see a rainbow in the sky on rainy days.
- Cloudy days are cooler than sunny days.

- Strong winds blow on a windy day.
- There are three main seasons in a year - summer, winter and rainy.

Questions : The Sun, the Moon and the Stars

- Q.1. The sky is _____ us.
Q.2. We see the Sun during the _____.
Q.3. We can see the _____ and the _____ at night.
Q.4. What is the Sun?
Q.5. Sun gives us _____ and _____.
Q.6. The Sun rises in the _____ and it sets in the _____.
Q.7. When do we see the Moon?
Q.8. Which is bigger, the Sun or the Moon?
Q.9. The _____ doesn't have light of its own.
Q.10. The Moon _____ the light of the Sun.
Q.11. The _____ of the Moon keeps on changing everyday.
Q.12. Stars look _____ and they _____.
Q.13. Why do stars look small?
Q.14. Stars have their own _____.

Lesson Plan : The Sun, the Moon and the Stars

Explain :

1. What do we see during the day and during the night?
2. Explain about the Sun.
3. Explain about the Moon.
4. Explain about the Stars.

Vocabulary : The Sun, the Moon and the Stars

Outside, different, things, during, other, gases, rises, reflects, changing, bright, twinkle

In a Nutshell : The Sun, the Moon and the Stars

- The sky has different things during the day and at night.
- The Sun, the moon and the stars are the members of the Universe.
- The Sun is a big ball of hot gases.
- The Moon has no light of its own.
- The stars are hot and glowing.
- The Sun is also a star.
- The Sun gives us heat and light.
- The Moon reflects the light of the Sun.
- Stars look small because they are far away from us.
- There are many stars in the sky.