

Class 5 Syllabus for the Session 2026-27

Term 1

- L-1 Rocks and Minerals
- L-2 Force and Energy
- L-3 Our Flower
- L-4 Communicable and Non-Communicable Diseases
- L-5 Plant Reproduction
- L-6 Animals Around Us
- L-7 Changes in Our Environment
- L-8 Conservation and Erosion of Soil
- L-9 Our Life Support

Term 2

- L-10 Safety and First Aid
- L-11 All About Matter
- L-12 Skeletal and Muscular System
- L-13 Our Nervous System
- L-14 The Earth's Satellite
- L-15 Artificial Intelligence

Monthly Planning

April:

- L-2 Force and Energy
- L-4 Communicable and Non-Communicable Diseases

May:

- L-1 Rocks and Minerals
- L-3 Our Flower
- L-5 Plant Reproduction
- PT-1 (L-2 and L-4)

July:

- L-6 Animals Around Us
- L-7 Changes in Our Environment
- L-8 Conservation and Erosion of Soil

August:

- L-9 Our Life Support

September:
Half Yearly Examination

Term 2

October:
L-11 All About Matter
L-12 Skeletal and Muscular System

November:
L-10 Safety and First Aid
L-13 Our Nervous System

December:
L-14 The Earth's Satellite
PT-2 (L-11 and L-12)

January:
L-15 Artificial Intelligence

February:
Revision for Final Examination

March:
Final Examination

Lesson Plan – L-2: Force and Energy (Class 5)

Number of teaching days required to complete the chapter- 12

1. Learning Outcomes

Students will be able to:

- Understand the concept of force and energy.
- Identify different types of forces (push and pull).
- Explain how energy helps in doing work.
- Give examples of force and energy from daily life.

2. Previous Knowledge Testing

- Ask students: What happens when you push or pull an object?
- Do we need energy to play, run or lift things?
- Can you name some activities where force is used?

3. Teaching Aids

- Blackboard and chalk
- Charts showing examples of force and energy
- Real-life objects (ball, toy car, book)
- Short video/animation (if available)

4. Pedagogical Strategies

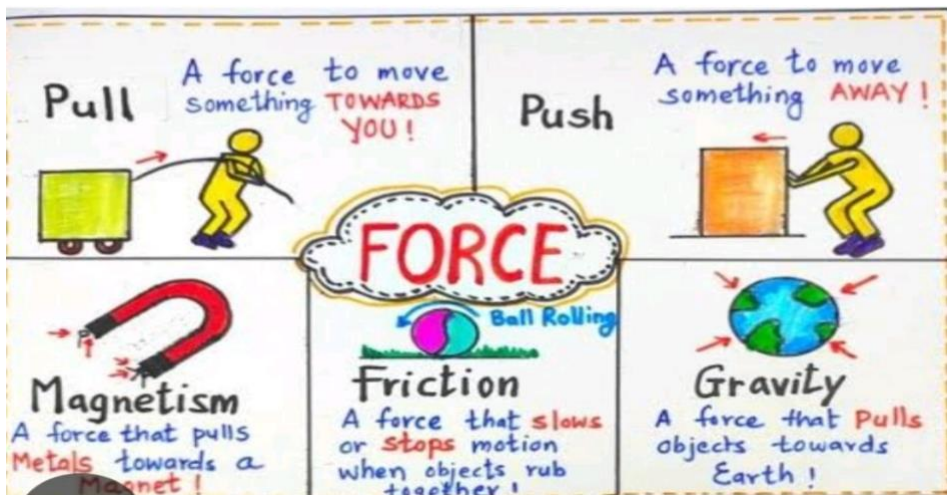
- Interactive discussion
- Demonstration method
- Question-answer method
- Activity-based learning

5. Hands-on Activity

- Ask students to push and pull a chair.
- Roll a ball and observe movement.
- Discuss what made the object move.

6. Art Integration

- Students draw pictures showing examples of force (pushing, pulling).
- Color and label the activities.



7. Interdisciplinary Linkages and Infusion of Life Skills

- Science: Understanding motion and energy
- Physical Education: Use of force in games
- Life Skills: Observation, teamwork, and critical thinking

8. Recapitulation

- What is force?
- Name two types of force.
- What is energy?
- Give one example of energy used in daily life.

9. Resources including ICT

- Educational videos on force and energy
- Smart board/YouTube videos
- Charts and models

Lesson Plan – L-4: Communicable and Non-Communicable Diseases

Number of teaching days required to complete the chapter- 12

1. Learning Outcomes

Students will be able to:

- Understand the meaning of communicable and non-communicable diseases.
- Differentiate between communicable and non-communicable diseases.
- Identify causes and prevention methods of diseases.

- Develop awareness about hygiene and healthy habits.

2. Previous Knowledge Testing

- Ask students: Have you ever fallen sick? What happened?
- Do diseases spread from one person to another?
- Can you name any disease you know?

3. Teaching Aids

- Blackboard and chalk
- Charts showing types of diseases
- Flashcards with examples (cold, diabetes, etc.)
- Short video/animation (if available)

4. Pedagogical Strategies

- Interactive discussion
- Question-answer method
- Activity-based learning
- Demonstration

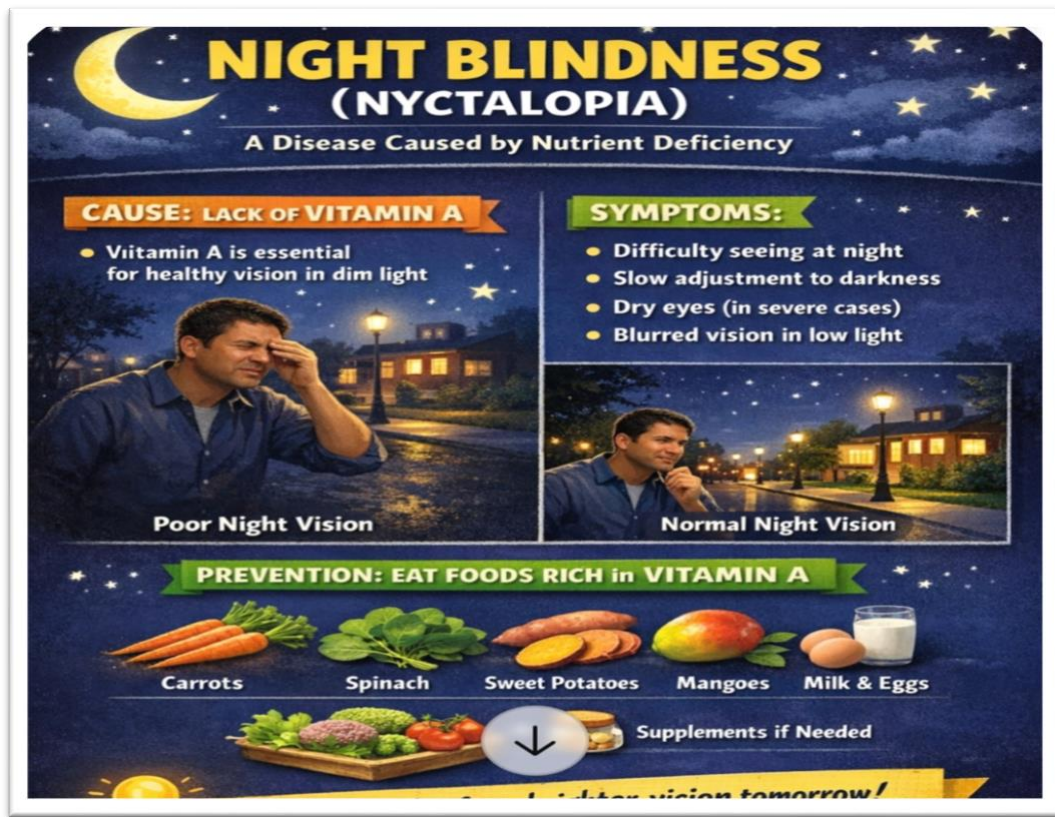
5. Hands-on Activity

- Ask students to list diseases they know.
- Group activity: classify them into communicable and non-communicable.
- Demonstrate handwashing technique.

6. Art Integration

- Students will make a poster showing any disease , its cause, symptoms and preventions.

- Coloring and labeling activities.



7. Interdisciplinary Linkages and Infusion of Life Skills

- Science: Human health and diseases
- Social Studies: Community health awareness
- Life Skills: Personal hygiene, responsibility, awareness

8. Recapitulation

- What are communicable diseases?
- Give two examples.

- What are non-communicable diseases?
- How can we prevent diseases?

9. Resources including ICT

- Educational videos on diseases
- Smart board/YouTube videos
- Posters and charts

Lesson Plan – L-1: Rocks and Minerals

Number of teaching days required to complete the chapter- 6

1. Learning Outcomes

Students will be able to:

- Understand the meaning of rocks and minerals.
- Differentiate between rocks and minerals.
- Identify different types of rocks.
- Recognize uses of rocks and minerals in daily life.

2. Previous Knowledge Testing

- Ask students: Have you seen stones or rocks around you?
- Where do we find rocks?
- Can you name anything made from stone?

3. Teaching Aids

- Blackboard and chalk
- Charts showing types of rocks
- Real samples of rocks and minerals
- Short video/animation (if available)

4. Pedagogical Strategies

- Interactive discussion
- Question-answer method
- Activity-based learning
- Demonstration

5. Hands-on Activity

- Ask students to collect small stones.
- Group activity: classify them based on color, size, and texture.
- Observe and compare different rocks.

6. Art Integration

- Students will draw and color different types of rocks.
- Make a poster showing uses of rocks and minerals.
- Coloring and labeling activities.

7. Interdisciplinary Linkages and Infusion of Life Skills

- Science: Earth materials
- Geography: Natural resources
- Life Skills: Observation, classification, teamwork

8. Recapitulation

- What are rocks?
- Name two types of rocks.
- What are minerals?
- Where are rocks used?

9. Resources including ICT

- Educational videos on rocks and minerals
- Smart board/YouTube videos
- Posters and charts

Lesson Plan – L-3: Our Houses

Number of teaching days required to complete the chapter- 3

1. Learning Outcomes

Students will be able to:

- Understand the concept of houses and their importance.
- Identify different types of houses.
- Recognize materials used to build houses.
- Understand the need for cleanliness and maintenance of houses.

2. Previous Knowledge Testing

- Ask students: Where do you live?
- What type of house do you have?
- Why do we need a house?

3. Teaching Aids

- Blackboard and chalk
- Charts showing different types of houses
- Pictures/models of houses
- Short video/animation (if available)

4. Pedagogical Strategies

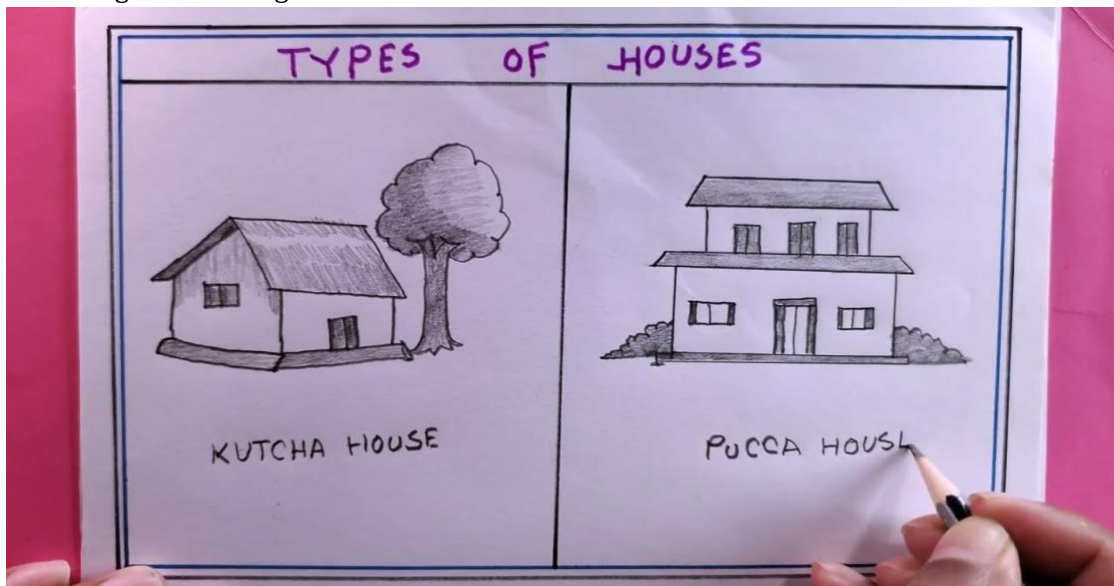
- Interactive discussion
- Question-answer method
- Activity-based learning
- Demonstration

5. Hands-on Activity

- Ask students to draw their house.
- Group activity: identify types of houses from pictures.
- Model making using cardboard or clay.

6. Art Integration

- Students will draw and color different types of houses.
- Make a collage of houses using magazines.
- Coloring and labeling activities.



7. Interdisciplinary Linkages and Infusion of Life Skills

- Science: Materials used in houses
- Social Studies: Types of houses in different regions
- Life Skills: Cleanliness, responsibility, teamwork

8. Recapitulation

- Why do we need a house?
- Name two types of houses.
- What materials are used to build houses?
- How can we keep our house clean?

9. Resources including ICT

- Educational videos on houses
- Smart board/YouTube videos
- Posters and charts

Lesson Plan – L-5: Plant Reproduction

Number of teaching days required to complete the chapter - 12

1. Learning Outcomes

Students will be able to:

- Understand what reproduction in plants means.
- Identify different methods of plant reproduction (by seeds, stem, roots, leaves).

- Recognize examples of plants that reproduce in different ways.
- Develop curiosity about plant growth and nature.

2. Previous Knowledge Testing

- Ask students: How do plants grow?
- Have you seen seeds growing into plants?
- Can plants grow without seeds?

3. Teaching Aids

- Blackboard and chalk
- Charts showing parts of a plant
- Real samples (seeds, potato, onion, leaves)
- Short video/animation (if available)

4. Pedagogical Strategies

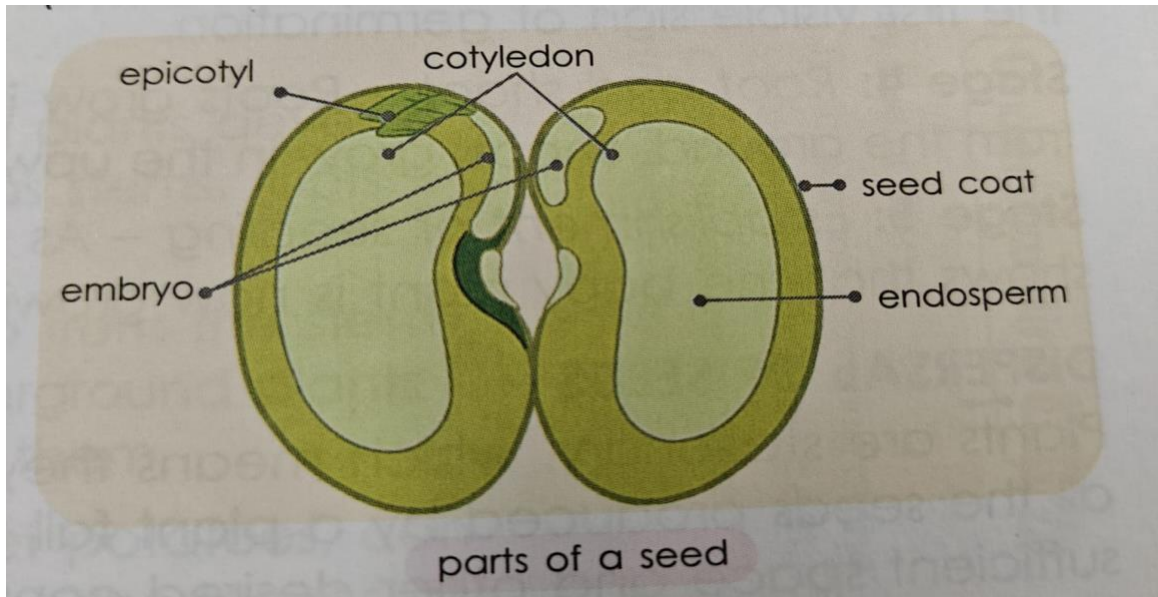
- Interactive discussion
- Question-answer method
- Activity-based learning
- Demonstration with real plant parts

5. Hands-on Activity

- Show seeds and ask students to identify them.
- Group activity: Match plants with their reproduction method.
- Plant a seed in a pot and observe growth over days.

6. Art Integration

- Students draw and label parts of a seed
- Make a chart showing types of plant reproduction.
- Coloring activity of plant life cycle.



7. Interdisciplinary Linkages and Infusion of Life Skills

- Science: Plant growth and life cycle
- Environmental Studies: Importance of plants
- Life Skills: Observation, patience, care for plants

8. Recapitulation

- What is plant reproduction?
- Name two ways plants reproduce.
- Give one example of plant growing from stem.
- Why are plants important?

9. Resources including ICT

- Educational videos on plant reproduction
- Smart board/YouTube videos
- Charts and real plant materials

Lesson Plan – L-6: Animals Around Us

Number of teaching days required to complete the chapter - 8

1. Learning Outcomes

Students will be able to:

- Identify different types of animals around us.
- Classify animals based on habitat (land, water, air).
- Understand usefulness of animals.
- Develop care and respect for animals.

2. Previous Knowledge Testing

- Ask students: What animals do you see around you?
- Where do animals live?
- Can you name animals that fly or swim?

3. Teaching Aids

- Blackboard and chalk
- Charts of animals
- Flashcards (domestic, wild animals)
- Short video/animation

4. Pedagogical Strategies

- Interactive discussion
- Question-answer method
- Activity-based learning
- Use of visuals and real-life examples

5. Hands-on Activity

- Group activity: Sort animals into categories (land, water, air).
- Draw your favorite animal and tell about it.
- Match animals with their homes.

6. Art Integration

- Draw and color animals.
- Make collage using animal pictures.
- Create a simple animal chart.

7. Interdisciplinary Linkages and Infusion of Life Skills

- Science: Animal classification
- Environmental Studies: Biodiversity
- Life Skills: Empathy and care for animals

8. Recapitulation

- Name different types of animals.
- Give examples of animals that live in water.
- Why are animals important?

9. Resources including ICT

- Educational videos on animals
- Smart board/YouTube videos
- Charts and flashcards

Lesson Plan – L-7: Changes in Our Environment

Number of teaching days required to complete the chapter - 10

1. Learning Outcomes

Students will be able to:

- Understand changes in the environment.
- Identify natural and human-made changes.
- Recognize effects of environmental changes.
- Develop awareness to protect environment.

2. Previous Knowledge Testing

- Ask students: What changes do you see around you?
- Do seasons change?
- Have you noticed pollution?

3. Teaching Aids

- Blackboard and chalk
- Charts showing environmental changes
- Pictures of pollution, seasons
- Short video/animation

4. Pedagogical Strategies

- Interactive discussion
- Question-answer method
- Activity-based learning
- Demonstration using pictures/videos

5. Hands-on Activity

- Group discussion: List changes in environment.
- Identify natural vs human-made changes.
- Poster making on saving environment.

6. Art Integration

- Draw seasons or environmental changes.
- Make posters on “Save Earth”.
- Coloring activities.



7. Interdisciplinary Linkages and Infusion of Life Skills

- Science: Environment and changes
- Social Studies: Human impact
- Life Skills: Responsibility and awareness

8. Recapitulation

- What are environmental changes?
- Give examples of natural changes.
- How can we protect environment?

9. Resources including ICT

- Educational videos on environment
- Smart board/YouTube videos
- Charts and posters

Lesson Plan – L-8: Conservation and Erosion of Soil

Number of teaching days required to complete the chapter - 10

1. Learning Outcomes

Students will be able to:

- Understand what soil erosion is.
- Identify causes of soil erosion.
- Learn methods of soil conservation.
- Develop awareness about protecting soil.

2. Previous Knowledge Testing

- Ask students: What is soil?
- Have you seen soil being washed away?
- Why is soil important for plants?

3. Teaching Aids

- Blackboard and chalk
- Charts showing soil erosion

- Pictures of deforestation and conservation
- Short video/animation

4. Pedagogical Strategies

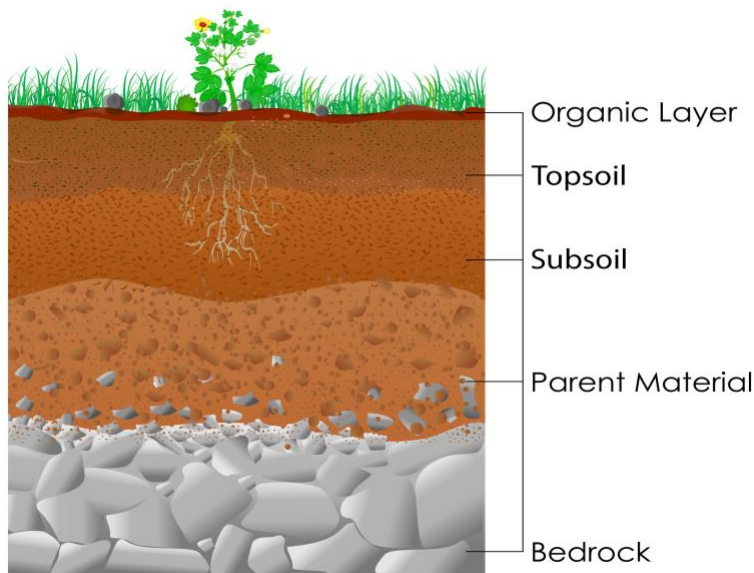
- Interactive discussion
- Question-answer method
- Activity-based learning
- Demonstration with examples

5. Hands-on Activity

- Show how water can wash away soil using a tray experiment.
- Group discussion on ways to save soil.
- Identify examples of soil conservation in daily life.

6. Art Integration

- Draw different layers of soil.
- Coloring activity on trees and environment.
- Make a chart showing causes of soil erosion.



7. Interdisciplinary Linkages and Infusion of Life Skills

- Science: Soil and environment
- Social Studies: Human activities
- Life Skills: Responsibility towards nature

8. Recapitulation

- What is soil erosion?
- Name two causes of soil erosion.
- How can we conserve soil?

9. Resources including ICT

- Educational videos on soil conservation
- Smart board/YouTube videos
- Charts and posters

Lesson Plan – L-9: Our Life Supports

Number of teaching days required to complete the chapter - 10

1. Learning Outcomes

Students will be able to:

- Understand basic life support systems (air, water, food).
- Identify importance of natural resources.
- Recognize how humans depend on environment.
- Develop habits to conserve resources.

2. Previous Knowledge Testing

- Ask students: What do we need to live?
- Why is air and water important?
- What happens if resources are not available?

3. Teaching Aids

- Blackboard and chalk
- Charts showing life support systems
- Pictures of air, water, plants
- Short video/animation

4. Pedagogical Strategies

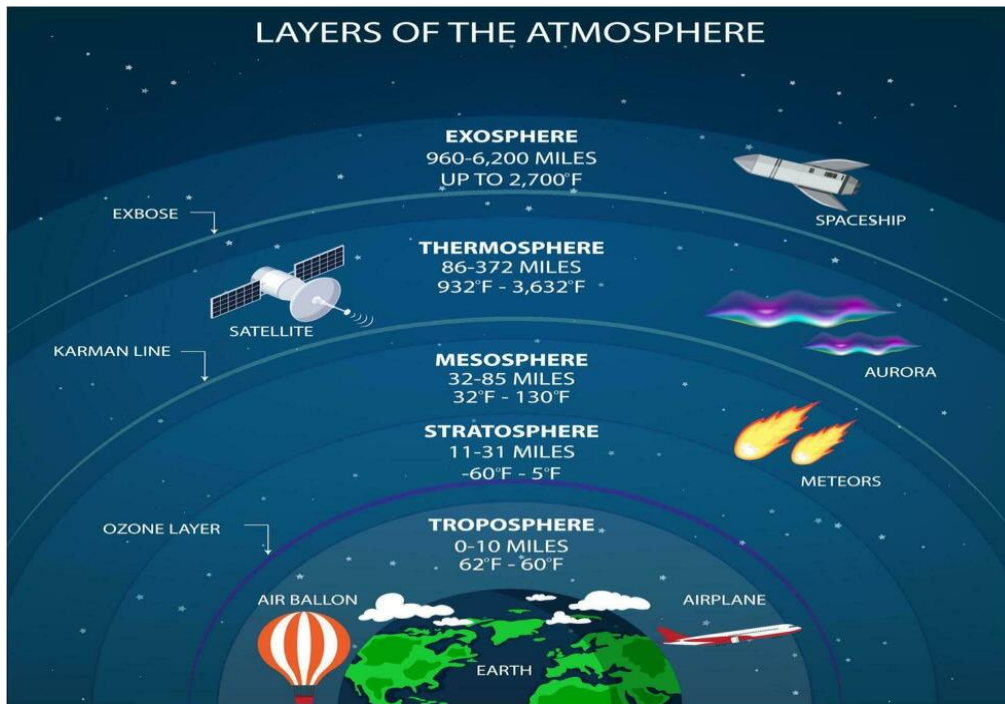
- Interactive discussion
- Question-answer method
- Activity-based learning
- Use of real-life examples

5. Hands-on Activity

- List things needed for life.
- Group activity: Match resources with their uses.
- Discussion on saving water and air.

6. Art Integration

- Draw a picture of layers of atmosphere
- Poster making on "Save Water" or "Clean Air".
- Coloring activities.



7. Interdisciplinary Linkages and Infusion of Life Skills

- Science: Basic needs of living beings
- Environmental Studies: Resource conservation
- Life Skills: Awareness and responsibility

8. Recapitulation

- What are life support systems?
- Name two essential resources.
- How can we save resources?

9. Resources including ICT

- Educational videos on environment and resources
- Smart board/YouTube videos
- Charts and posters

Lesson Plan – L-11: All About Matter

Number of teaching days required to complete the chapter- 10

1. Learning Outcomes

Students will be able to:

- Understand matter and its states.
- Identify solids, liquids, and gases.
- Explain properties of matter.

2. Previous Knowledge Testing

- What is matter?

What atoms?

What is solution?

- Name examples around you.

3. Teaching Aids

- Charts of physical and chemical changes, models, blackboard, chalk
- Flash cards, short videos.

4. Pedagogical Strategies

- Discussion, demonstration, Q&A

Visual learning

Activity based learning

Group discussion

5. Hands-on Activity

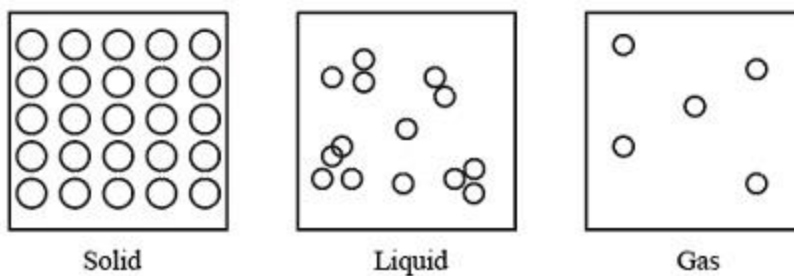
- Identify objects as solid/liquid/gas

Observe the aerated drinks

Drinks infused with carbon dioxide gas eg- soft drinks

6. Art Integration

- Draw states of matter



7. Interdisciplinary Linkages and Infusion of Life Skills

- Science, observation skills

Art- Drawing and colouring

Life skill- Avoid drinking aerated drinks

8. Recapitulation

- Define matter and its types

What are solutions?

Difference between miscible and immiscible liquids.

Give examples of miscible and immiscible liquids.

9. Resources including ICT

- Videos, smart board

Charts and diagrams

Animations

Lesson Plan – L-12: Skeletal and Muscular System

Number of teaching days required to complete the chapter- 12

1. Learning Outcomes

Students will be able to:

- Understand bones and muscles
- Know functions of skeletal system

Know about joints

Types of muscles

How do muscles work.

2. Previous Knowledge Testing

- What supports our body?

What is an organ system?

What is a joint?

What are muscles?

3. Teaching Aids

- Skeleton chart, models, blackboard, chalk,
Smart class, flash cards.

4. Pedagogical Strategies

- Explanation, Q&A method

Discussion method

Activity based learning

Visual learning(charts, videos)

5. Hands-on Activity

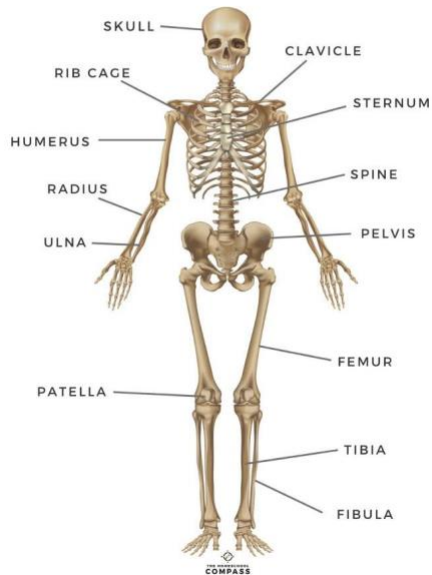
- Identify body movements

Observe the ribcage and human skeleton

6. Art Integration

- Label the various parts of human skeleton system

THE SKELETAL SYSTEM



7. Interdisciplinary Linkages and Infusion of Life Skills

- Health education

Knowledge about skeletal system

Art- Drawing and colouring

Science- Knowledge of various joints

8. Recapitulation

- Functions of bones

What are the various parts of skeletal system?

What are organ system

What are movable joints?

What do you mean by vertebral column?

9. Resources including ICT

- Videos related to joints

Charts and diagrams

Smart board animations

Lesson Plan – L-10: Safety and First Aid

Number of teaching days required to complete the chapter- 8

1. Learning Outcomes

Students will be able to:

- Learn safety rules
- Basic first aid knowledge

First aid knowledge about cuts and scratches for nose bleeds

For sprains

For fractures

Chemical burns, snake bites

2. Previous Knowledge Testing

- What is safety?

What is first aid kit?

Are snake bite poisonous?

What is a fracture?

3. Teaching Aids

- First aid kit

Flash cards, charts, blackboard

4. Pedagogical Strategies

- Demonstration of first aid

Activity based learning

Question answer method

5. Hands-on Activity

- Practice bandaging

6. Art Integration

- Safety posters

Make a first aid box using an empty shoe box.

7. Interdisciplinary Linkages and Infusion of Life Skills

- Life skills- use first aid kit effectively

Science- Material first aid and its uses

Art- Drawing and creativity

8. Recapitulation

- Safety rules

What are chemical burns?

Difference between sprain and fracture

What are the different types of burns?

9. Resources including ICT

- Videos on nose bleed, sprain, fracture should be shown.

Charts and flashcards

Smart board presentation.

Lesson Plan – L-13: Our Nervous System

Number of teaching days required to complete the chapter- 12

1. Learning Outcomes

Students will be able to:

- Understand different parts of brain

Learn about spinal cord, nerves, and various sense organs

Know about the structure of eye

2. Previous Knowledge Testing

- What are sense organs?

Name the different part of brain

Name the largest sense organ

3. Teaching Aids

- Charts, videos, audios, science labs, models books, chalk board

4. Pedagogical Strategies

- Question answer method

Activity based learning.

Visual learning

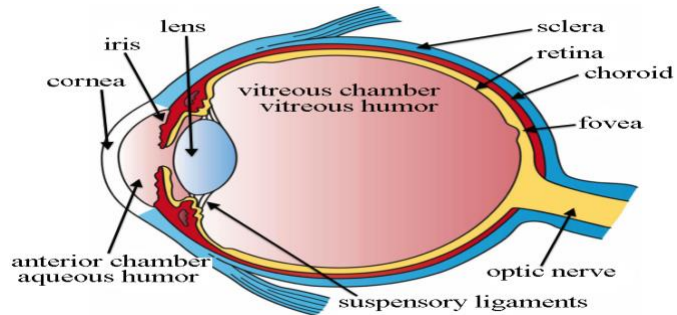
5. Hands-on Activity

- Reaction test

Students will touch the hot part of the vessel and they immediately withdraw their hand back showing their reflex action.

6. Art Integration

- Draw and label structure of an eye



7. Interdisciplinary Linkages and Infusion of Life Skills

- Science:-They know about the functioning of eye.

Life skill- Knowledge about various parts of nervous system.

Art- Drawing and colouring

8. Recapitulation

- Functions of brain.

What are nerves. Explain them

Define reflex action

9. Resources including ICT

- Videos

Educational videos on nervous system , charts and models, smart board presentation

Lesson Plan – L-14: The Earth's Satellite

Number of teaching days required to complete the chapter- 12

1. Learning Outcomes

Students will be able to:

- Learn about the surface of the moon

Phases of the moon

Life on the moon

Landing on the moon

2. Previous Knowledge Testing

- What is moon?

What are craters?

What do you mean by crescent moon?

3. Teaching Aids

- Globe, chalk , duster, charts.

4. Pedagogical Strategies

- Discussion method

Question answer method

Activity based learning

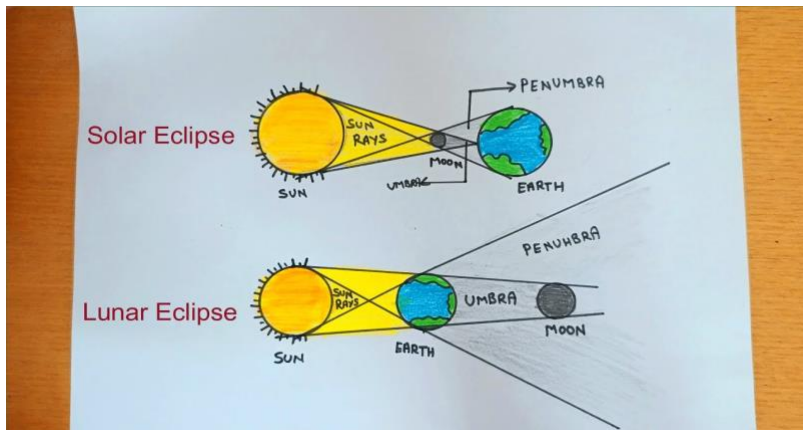
Visual learning (charts, videos)

5. Hands-on Activity

- Observe the different phases of moon

6. Art Integration

- Draw the solar and lunar eclipse



7. Interdisciplinary Linkages and Infusion of Life Skills

SCIENCE:-

- Understanding about the eclipses of the moon and sun

MATHS

Counting days of the phases of the moon

8. Recapitulation

- What is solar and lunar eclipse? What is the difference between them.

9. Resources including ICT

- Charts and diagrams

Smart board presentation

Lesson Plan – L-15: Artificial Intelligence

Number of teaching days required to complete the chapter- 6

1. Learning Outcomes

Students will be able to:

- Understand AI basics

Futuristic space travels

Humanoids

Self driving cars, smart speakers.

2. Previous Knowledge Testing

- What is technology?

What do you mean by smart speakers?

What is Intelligence?

What is the full form of AI?

3. Teaching Aids

- Videos, Chalk , duster, charts, smart class presentation

4. Pedagogical Strategies

- Discussion method

Activity based learning

Visual learning

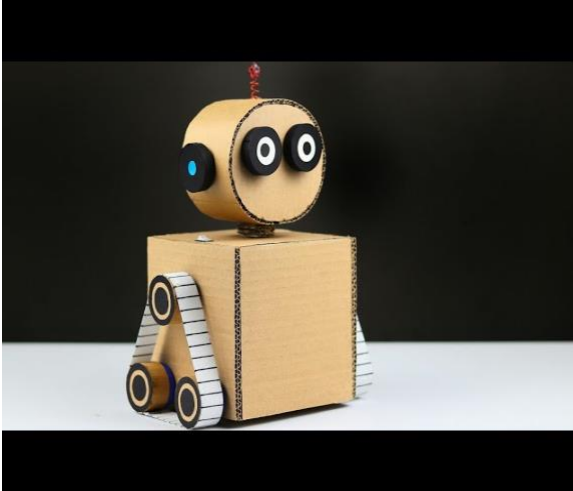
Question answer method

5. Hands-on Activity

- Identify AI uses

6. Art Integration

- Let us make a robot using a cardboard



7. Interdisciplinary Linkages and Infusion of Life Skills

- Technology awareness

8. Recapitulation

- Define AI

What are self driving cars?

What is smart speakers?

9. Resources including ICT

- Videos, youtube , charts and diagrams , smart board presentation

