ONLINE FOUNDATION SCHOOL
EMPOWERING DREAMS, IGNITING FUTURE
A SISTER CONCERN OF ONLINE GROUP
EIIN: 190167

Subject Teacher: Parvin Sultana Eity

Grade: Four
Subject: Science
Academic Year :(2025 -2026)

Half-Yearly Assessment Syllabus

Learning Objectives:

- ✓ Understanding Skeletons and Movement: Students will learn about the structure and function of bones and skeletons, including why living things need them and how they facilitate movement. They will also explore different types of skeletons found in the animal kingdom.
- ✓ Basic Health and Disease Concepts: The curriculum introduces fundamental ideas about medicines and how infectious diseases can affect living organisms, promoting an early understanding of health.
- ✓ Identifying Forms and Transfers of Energy: Students will recognize that energy exists in various forms all around them and understand how energy can be transferred from one place or object to another.
- ✓ Energy Transformations and Life Processes: They will learn the crucial role of energy in the life processes of living things.
- ✓ Exploring States of Matter and Particles: Students will delve deeper into the concept of materials, substances, and the idea that all matter is made of tiny particles, understanding how solids and liquids behave differently.
- ✓ Introduction to Phase Changes and Chemical Reactions: They will learn about physical changes like melting and solidifying, and be introduced to the fundamental concept of chemical reactions where new substances are formed.

Book Name	Chapter No	Chapter Name	Page No
• Cambridge Primary Science Learner's Book 4	Unit -1: **Living things**	1.1 Bones and skeletons 1.2 Why we need a skeleton 1.3 Skeletons and movement 1.4 Different kinds of skeletons 1.5 Medicines and infectious diseases	Learner's Book (02-30) Workbook (02-16)
	Unit -2: **Energy**	2.1 Energy around us 2.2 Energy transfers 2.3 Energy changes 2.4 Energy and living things	Learner's Book (31-48) Workbook (17-31)

• Cambridge Primary Science Workbook 4	Unit -3: **Materials**	3.1 Materials, substances and particles 3.2 How do solids and liquids behave? 3.3 Melting and solidifying 3.4 Chemical reactions	Learner's Book (49-69) Workbook (32-47)
	Project	1. Eco-system. 2. Layers of Earth Model.	

Marks Distribution						
Project	**Class Test 1**		**Class Test 2**		**Half Yearly/Yearly**	
Marks	Marks	Duration	Marks	Duration	Marks	Duration
05	10	40 minutes	10	40 minutes	75	2 hours
Total Marks					100	

Yearly Assessment Syllabus

Learning Objectives:

- ✓ Understanding Earth's Structure and Geological Phenomena: Students will learn about the basic structure of the Earth and gain an introductory understanding of natural geological events like volcanoes and earthquakes.
- ✓ Exploring Diverse Habitats and Ecosystems: They will delve deeper into different types of habitats and the living things that reside within them, expanding their knowledge of ecosystems.
- ✓ Properties and Behavior of Light: Students will learn how we see objects, understand that light travels in straight lines, and discover how light reflects off various surfaces. They will also investigate shadow formation and changes.
- ✓ Light in the Solar System and Day/Night Cycle: The curriculum will explain the role of light in the solar system and provide a scientific understanding of what causes day and night.
- ✓ Introduction to Electrical Conductivity: Students will identify which materials are good conductors of electricity (including water) and which are insulators, understanding their practical use in electrical appliances.
- ✓ Basic Electrical Circuits and Components: They will learn about the fundamental components of an electrical circuit, including the function of switches, and explore how changing components affects a circuit (e.g., the brightness of a bulb).

Book Name	**Chapter No**	**Chapter Name**	**Page No**

• Cambridge Primary Science Learner's Book 4	Unit-4: **Earth and its habitats**	4.1 The structure of the Earth 4.2 Volcanoes 4.3 Earthquakes 4.4 Different habitats	Learner's Book (70-95) Workbook (48-60)
	Unit-5: **Light**	5.1 How we see things 5.2 Light travels in straight lines 5.3 Light reflects off different surfaces 5.4 Light in the solar system 5.5 Day and night 5.6 Investigating shadow lengths	Learner's Book (96-123) Workbook (61-80)
• Cambridge Primary Science Workbook 4	Unit-6: **Electricity**	6.1 Which materials conduct electricity? 6.2 Does water conduct electricity? 6.3 Using conductors and insulators in electrical appliances 6.4 Switches 6.5 Changing the number of components in a circuit	Learner's Book (124-147) Workbook (81-97)
	Project	1. Habitats around the world. 2. Reduce, Reuse and Recycle: Our Superpower.	

SAMPLE QUESTIONS PATTERN		
SL. NO	**Type of Question**	**Specification**
1	Word meaning	10
2	Fill in the blanks	5
3	True or false with the correct answer	10
4	Question answer (big /small) (Any 4 among 5)	20
5	Draw a figure	10
6	Matching	10

7	Finish the word with the correct word	5
8	Skill building question	5
9	Project	5
10	Class Test (CT 1 and 2) / **(**CT 03 and 4)	20
	Total =	1**00**

***The syllabus is subject to modification in response to changing needs or circumstances.**

Subject Teacher	**Section Head**	**Principal**