



Unit	Week No.	Content	Reading/ Phonics	Projects / Graded Assignments	Exam Content	Government Objectives	
1: Living Things and Their Environment	1	1.1 INHERITANCE OF CHARACTERISTICS. Page 7	Living thing, non-living thing, human, parent, offspring, genetic traits, genetic inheritance, plant, animal, and egg-laying	Identify living things from a list of items for objective scores(10)	Living things.	Strand 1: Living and Family Standard Sc1.2 1. Discuss various characteristics of living things in the immediate environment. 2. Compare and specify similar characteristics of	
		1.1 Mothers and their Children. P age 10		Survey on similar characteristic of parents and children for objective scores(10)	Characteristics of living things.		
	2	1.2 What do babies of animals that lay eggs look like? Page 14			Inheritance from parents to offspring		
		Learning Activities: 1.1 Inheritance of characteristics. Page 16					
	3	1.2 CONSERVATION OF LIVING THINGS	Existence, Extinction, Habitat, natural disaster, pregnancy duration, and conservation	Survey on animals that are in existence and those that are extinct for objective scores(10). End of unit quiz for objective scores(10) End of unit quiz for objective scores(10)	Causes of extinction. Prevention of extinction.	3. Search for data and discuss kinds of extinct living things and kinds that exist in the present. 4. Explain that the similar characteristics of parents and children originate from genetic transmission, and apply the knowledge gained for useful purposes	
		1.3 Existence and Extinction of Living Things. P age 18					
		1.2.1 Living Things and Their Environment P age 20					
	4	1.2.2 Reasons Why Living Things May Go Extinct. Page 22					
		1.4 Habitata loss					
	5	1.2.3 How to Protect Living things From Going Extinct. Page 27					
		Learning Activities 1.2 Conservation of Living Things. Page 29					



Unit	Week No.	Content	Reading/ Phonics	Projects / Graded Assignments	Exam Content	Government Objectives
2. Environment and Natural Resources in thr Region	6	2.1 LIFE AND THE ENVIROMENT IN THE REGION. Page 33	Natural resource, renewable natural resource, non-renewable natural resource, soil, forest, water, wild animal, rocks, mineral, air, and conservation.	Survey on natural resources in rayong for objective score (10) Open discussion on relationships between living things and other living things (10).	Living things in the region. relationship between living things in the region.	Strand 2: Life and the Environment Standard Sc2.1:
		2.1 Exploring the Environment in the region. Page 33				1. Explore natural resources and discuss utilization of local natural resources.
	7	2.1.2 Relationships between living things and other living things. Page 38				2. Specify utilization of natural resources conducive to creating local environmental problems.
	8	2.2 Relationships between living things and other living things. Page 38				3. Discuss and present ideas for economical and cost-effective utilization of natural resources and
	9	Learning Activitiy 2.1 Life and the environment in the region. Page 43				
Review for Midterm	10	REVIEW FOR MIDTERM TEST	Unit 1 and Unit 2 vocabulary	Review of end of unit tests as well as vocabulary.	Unit 1 and Unit 2	Strand 1: Living and Family Standard Sc1.2
		Unit 1: Living Things and Their Environment. Unit 2. Environment and Natural Resources in the Region				Strand 2: Life and the Environment Standard Sc2.1:
	11	MIDTERM TEST (20 POINTS)				



Unit	Week No.	Content	Reading/ Phonics	Projects / Graded Assignments	Exam Content	Government Objectives
2. Environment and Natural Resources in the Region (Continued)	12	2.2 NATURAL RESOURCES IN THE REGION. Page 45	resources, natural, renewable, non-renewable, soil, wild animals, benefit, value, water, minerals,	Survey on natural resources in rayong for objective score (10) Open discussion on the importances of soil and water(10). Discussion on the value and benefits of known natural resources. (10)	Importances of both soil and water. Vlues and benefits of wild animals and natural resources. Conservation of natural resources.	Strand 2: Life and the Environment Standard Sc2.1: 1. Explore natural resources and discuss utilization of local natural resources. 2. Specify utilization of natural resources conducive to creating local environmental problems. 3. Discuss and present ideas for economical and cost-effective utilization
		2.3 The Importance of Soil and Water. Page 45				
	13	2.4 Values of Wild Animals. Page 49				
		Value and Benefits of Natural Resources. Page 52				
	14	2.5 Problems From Using Natural Resources and How to Conserve Them. Page 54				
		Learning Activity 2.2 Ntural Resources in the Region. Page 59				
	15	3.1 MATERIALS USED FOR MAKING TOYS AND APPLIANCES. Page 66	Material, objects, appliance, wood, metal, glass, paper, rubber, plastic, steel, stone, clay, boiling, melting.	Compelete atable classifying types of toys or appliances and their respective properties. (10 points)	Materials and their properties.	Properties of Substances Standard Sc3.1: 9. Classify the kinds and properties of materials that are components of toys and articles of everyday use. 10. Explain utilization of each kind of material for useful purposes
		3.1 Get to Know Different Types of Materials. Page				
	16	Types, Properties and Uses of Materials. Page 71				
		Learning Activity 3.1 Materials used for making toys and appliances				



Unit	Week No.	Content	Reading/ Phonics	Projects / Graded Assignments	Exam Content	Government Objectives
3: Changes in Materials	17	3.2 CHANGES IN MATERIALS AROUND US. Page 79	changes, materials, objects, cool down, heat, squeeze, smash, twist, bend, burn, pull, cut, reezing, solidification, properties, color, smell, shape, and size.	Use various methods to change objects of various materials while recording observations. (10 points)	Methods used to change materials.	Properties of Substances Standard Sc3.2 : 11. Experiment and explain effects of change in objects when a force acts on them or upon heating and cooling. 12. Discuss benefits and detriments that may arise due to changes in the objects.
		3.2. Changing of Objects. Page 79				
		Methods Used to Change Materials. Page 86				
	18	3.3 Uses and Dangers of Materials. Page 89				
		Examples of dangerous changes in materials				
		Learning Activity 3.2 Changes in Materials Around Us. Page 94				
Review for Final Exam	19	REVIEW FOR FINAL EXAM	Unit 2 continuation from week 12 and unit 3 vovabulary.	Review of previous class exercises and end of unit 3 test.	Continuation of unit 2 from week 12 and unit 3.	Strand 3: Substances and Properties of Substances Standard Sc3.2 : Strand 3: Substances and Properties of Substances Standard Sc3.1:
		Unit 2. Environment and Natural Resources in the Region (Continued)				
		Unit 3: Changes in Materials				
	20	FINAL EXAM (30 POINTS)				