

St. Joseph Rayong School Course Outline

AEL 2 1st Semester Science Cariculum (2018 - 2019)

Unit	Week No.	Content/ Grammar	Reading/ Phonics	Projects / Graded Assignments	Exam Content	Government Objectives
1: Plant Life	2	1.1 Essential Factors for Plant Life and Growth 1.1 The Sprouting and Growth of Plant Seeds. Page 9 1.2 Factors for the Growth of Plants. Page 15 Learning Activity 1.1 Essential Factors for Plant Life and Growth. Page 1.2 The Response of Plants to Stimuli and Their Adaptations. Page 27	seed, germinate, seed coat, plant, sprout, wormth, water, light, observe, external, factor, response, react, stimuli, adaptation, temprature	Observe and record what is seen as two seedlinds germinate over a period of 5 days.(10 points). Arange pictures of stages of a germinating seed in a logical order. (10 points)	Factors needed for plants to grow and survive.	Strand 1: Living and Family Standard Sc1.1: 1. Experiment and explain that water and light are essential factors for plan life. 2. Explain that nutrients, water and air are essential factors for the life and growth of plants and animals, and apply acquired knowledge for useful purposes.
	4	1.3.1 Benefits of Plants. Page 32 1.4 Benefits of Plants. Page 34 Learning Activity 1.3: The Benefits of Plants and How to Take Care of Them. Page 37 End of Unit Test	use, benefit, shelter, medicine, power,	Draw a plant of choice and give its importance(s)	Benefits of plants	6. Explain benefits of plants and animals in the local area.



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2. Animal Life	5	2.1 Essential Factors for the Lives and Growth of Animals. Page 42	factor, essential, animal, herbivore, carnivore, omnivore, habitat.	Outlining the essential factors for the lives of animals.(10 points) Match animals with their respective foods.(10 points)		Strand 1: Living and Family Standard Sc1.1:
		2.1 Essential Factors for the Lives and Growth of Animals. Page 42				 Explain that nutrients, water and air are essential factors for the life and growth of plants and animals, and apply acquired knowledge for useful purposes.
	7	Learning Activity 2.1: Essential Factors for the Lives and Growth of Animals. Page 49				
	,	2.2 The Responses of Animals to Stimuli and the Adaptations of Animals. Page 52	stimuli, response, insects, nest, panting, licking, curl, hide, dilate	Matching various stimuli with their respective responses in animals.(10 points)	Responses and stimuli in animals	3. Explore and explain abilities of plants and animals to respond to light, temperature and touch.
		Learning Activity 2.2: Responses of Animals to Stimuli and Adaptationas of Animals. Page 59.				
	8	2.3 Benefits of Animals and How to Take Care of Them. Page 61	benefit, habitat, pet, materials, labour, transportation, enjoyment,	Categorise animals according to their importance(s). (10 points) Nme the specific habitat fot taking care of given pets.(10 points)	Importances of animals	6. Explain benefits of plants and animals in the local area. Strand 1: Living and Family Standard Sc1.1:
		2.3 Benefits of Domesticated Animals. Page 61				
	9	2.4 Proper Habitats for Pets. Page 64				
		Learning Activity 2.3: Benefits of Animals and How to Take Care of Them. Page 68				
		End of unit Test Page 72				
Review for Midterm		REVIEW FOR MIDTERM TEST	Plant life and animal life vocabulary	Review of end of unit tests about plant life and animal life.	N/A	
	10	Unit 1: Plant Life.				
		Unit 2. Animal Life				



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	11	MIDTERM TEST (20 POINTS)					
3. Ourselves	12 to 13	3.1 Essential Factors for the Lives and Growth of Humans	human, child, essential, growth, strong air, water, food,fruits, oil, fat, vegetables, obese,vitamins,e xercise.	Group foods given as essential or junk as well as with their respective importances to the body. (10 points)	What humans need to live	Strand 1: Living and Family Standard Sc1.1: 5. Explain the factors essential for the life and growth of human beings	
		3.1 Essential Factors for the Lives and Growth of Humans. Page 76					
	14 to 15	Learning Activity 3.1: Essential Factors for the lives and growth of humans. Page 83					
	16	3.2 The Responses of Humans to Stimuli. Page 87		Pair up responses			
	17	Learning Activity 3.2.: The Responses of Humans to Stimuli. Page 92	stimuli, response, pain,	along with their respective stimuli.(10 points)	Stimuli and responses in humans	Explore and explain the ability of the human body to respond to light, temperature and touch.	
	18	End of Unit Test Page 94					
Review for Final Exam	19	REVIEW FOR FINAL EXAM Unit 3. Ourselves	Ourselves vocabulary	Review of end of unit tests about ourselves and related vocabulary.	N/A	Strand 1: Living and Family Standard Sc1.1:	
	20	END OF TERM TEST (30 POINTS)					