

# The Asian International School – Curriculum Mapping

Level: Movers 1

Subject: Science Textbook: Essential Science 3

Revised: July 2015

Month	Weeks	AERO Standard	Strand	Content	Skills	Activities	Assessments	
Aug	1	03/8 – 07/8	LS2.4A HS1.4A	Explain that all organisms require a form of energy to survive and that humans and other animals obtain energy and materials from food Identify ways people of all ages, genders, and backgrounds use science in their careers	Crop and animal farming	Read Listen Write	Ask the questions Write the animal's name	Page 47 Worksheet
	2	10/8 – 14/8	PS1.4A HS1.4A	Compare, sort and group objects in terms of what they are made of (e.g., clay, cloth, paper, or metal) Identify ways people of all ages, genders, and backgrounds use science in their careers	Industry	Read Listen write	Compare Draw and match Handcrafted objects	Page 48 Worksheet
	3	17/8 – 21/8	LS4.4A	Recognize that plants and animals go through predictable life cycles that include birth, growth, development, reproduction	Living things	Listen Read Write Identify	Teacher draws pictures showing human changes for ages Students classify living and non-living things	Page 3 Worksheet
	4	24/8 – 28/8	LS1.4A	Observe, identify, and record external features of plants and other animals	Animals and plants	Read Write Listen Speak Identify	Play games Match	Page 4, 5 Worksheet
Sep	5	31/8 – 04/9	LS1.4A	Observe, identify, and record external features of humans and other animals	Movement	Listen Read Identify	Play Simon says Look at the pictures Decide and complete	Page 10 Worksheet

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	6	07/9 – 11/9	LS5.4A	Identify and explain how the physical structure/ characteristic of an organism allows it to survive and defend itself	The skeleton	Listen Read Write Identify	Play Hang man game Names of bones	Page 11 Worksheet
	7	14/9 – 18/9	LS5.4A	Identify and explain how the physical structure/ characteristic of an organism allows it to survive and defend itself	Muscles	Read Write Identify	Match Answer the questions Types of muscles	Page 12, 13 Worksheet
	8	21/9 – 25/9 REVIEW						
Oct	9	28/9 – 02/10 (Review and Midterm Test)						
	10	05/10 – 09/10	LS1.4B	Identify and compare the physical structures of a variety of animals (e.g., sensory organs, beaks, appendages, body covering)	Animals	Listen Read Write Identify	Sing a song Ask students to compare the animals circle the correct answers Play a game: Animal and food memory game	Page 14, 15 Worksheet
	11	12/10 – 16/10	LS4.4B	Investigate and describe how particular animals have offspring that are the same kind of animal	How are animals born?	Read Write Identify	Circle the answer Match the halves Draw or photos of different stages in the life cycle of animals	Page 16 Worksheet
	12	19/10 – 23/10	LS1.4B	Identify and compare the physical structures of a variety of animals (e.g., sensory organs, beaks, appendages, body covering)	Vertebrates	Listen Identify Read	Write the vocabulary Compare and match the skeletons to the animals Collect different types of feathers and explain their function	Page 17, 18 Worksheet
	13	26/10 – 30/10	LS1.4B	Identify and compare the physical structures of a variety of animals (e.g., sensory organs,	Invertebrates	Listen Read Write	Write the words and gap sentences on the BB	Page 19 Worksheet

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				beaks, appendages, body covering)		Identify	Describe insects	
Nov	14	02/11 – 06/11	ESS7.4A	Describe various resources that provide the necessary things that are used by people in their daily lives	The Earth	Read Listen Write	Classifying vocabulary Match the halves Show a globe of the Earth and ask students some questions	Page 20 Worksheet
	15	09/11 – 13/11	PS1.4D	Compare the observable physical properties of solids, liquids, or gases (air)	Solid, liquids and gases	Read Listen write	Summary table Answer the questions Revise the sentences with True or False	Page 21 Worksheet
	16	16/11 – 20/11	PS2.4A	Demonstrate that when some substances combine, they may retain their individual properties (e.g. salt and pepper) and that some may lose their individual properties (e.g. powdered drink in water)	Changes in matter	Read Listen Write	Practicing sequence Read the text combine, they may retain their individual properties (e.g. salt and pepper) and that some may lose their individual properties (e.g. powdered drink in water)	Page 22 Worksheet
	17	23/11 – 27/11 Review					Review unit 4, 5, 6	
Dec	18	30/11 – 04/12 (Final Term Test)						Paper test
	19	07/12 – 11/12	ESS7.4A	Observe and describe ways water, both as a solid and liquid, is used in everyday activities at different times of the year (e.g., bathe, drink, make ice cubes, build snowmen, cook, swim)	Water	Read Listen write	Answer the questions Circle the correct answer Hand on Propose a situation. Tell students that we must encourage	Page 23 Worksheet

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							people to save water	
	<b>20</b>	<b>14/12 – 18/12 (School Report)</b>						
	<b>21</b>	<b>21/12 – 25/12</b>	<b>ESS7.4A</b>	Explain that the supply of many nonrenewable resources is limited and can be extended through reducing, reusing and recycling but cannot be extended indefinitely	Water, a valuable resource	Identify Read Listen	Listen and choose the correct answer Use a globe and atlas to show the polar ice caps	Page 24 Worksheet
	<b>22</b>	<b>28/12 – 01/1</b>	<b>PS1.4D</b>	Investigate and recognize water can change from a liquid to a solid (freeze), and back again to a liquid (melt), as the result of temperature changes	The three states of water	Read Listen Write	Complete the sentences with the correct word Ask students to find one word in each list which is different from the others and say why	Page 25 Worksheet
<b>Jan</b>	<b>23</b>	<b>04/1 – 08/1</b>	<b>ESS5.4A</b>	Identify the sun as the source of energy that evaporates water from the surface of Earth	The water cycle	Read Write Identify	Present the cycle Write the sentences and choose the correct words	Page 26 Worksheet
	<b>24</b>	<b>11/1 – 15/1</b>	<b>LS1.4A</b>	Observe that animals need water, air, food, and shelter/space to grow and reproduce	Air	Read Listen Write	Match the halves Word order Illustrations Experiments with air	Page 27, 28 Worksheet
	<b>25</b>	<b>18/1 – 22/1</b>	<b>ESS5.4A</b>	Provide examples of how sunlight affects people and animals by providing heat and light	The atmosphere	Read Listen Write	Choose the correct words Write the word on the BB	Page 29 Worksheet
	<b>26</b>	<b>25/1 – 29/1</b>	<b>LS1.4A SI1A</b>	Identify the basic needs of most plants (i.e., air, water, light)	Plants	Read Listen Write Identify	Experiments Write the sentences on the BB Listen and correct	Page 30 Worksheet

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							them	
February	<b>OFF</b>	<b>01/2 – 05/2</b>						
	<b>OFF</b>	<b>08/2 – 12/2</b>						
	<b>27</b>	<b>15/2 – 19/2</b>	<b>LS1.4C</b>	Demonstrate that living things are made up of different parts	Plants have stems, leaves and roots	Read Identify Listen write	Draw a plant Show students several types of leaves and ask them to compare them Match the sentences	Page 31 Worksheet
	<b>28</b>	<b>22/2 – 26/2</b>	<b>LS1.4C</b>	Demonstrate that living things are made up of different parts	Trees, bushes and grasses	Read Listen write	Answer the questions Write the words Point out that the difference between trees and bushes Complete the sentences	Page 32 Worksheet
Mar	<b>29</b>	<b>29/2 – 04/3</b> <b>(Review)</b>					Review unit 7, 8, 9	
	<b>30</b>	<b>07/3 – 11/3</b> <b>(Midterm Test)</b>						Paper test
	<b>31</b>	<b>14/3 – 18/3</b>	<b>LS4.4A</b> <b>LS1.4C</b>	Recognize that plants and animals go through predictable life cycles that include birth, growth, development, reproduction, and death Demonstrate that living things are made up of different parts	Flowering plants	Read Write Identify	Pictures/samples Write the answers Present the three photos with the texts	Page 33 Worksheet
	<b>32</b>	<b>21/3 – 25/3</b>	<b>LS4.4A</b> <b>LS1.4C</b>	Recognize that plants and animals go through predictable life cycles that include birth, growth, development, reproduction, and death	Plant seeds and fruit	Read Listen Write	Read out the following descriptions and ask the students to guess with fruit is being described	Page 34 Worksheet

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				Demonstrate that living things are made up of different parts			A class survey Samples Compare the different seeds and fruit	
	<b>33</b>	<b>28/3 – 01/4</b>	<b>LS4.4A LS1.4C</b>	Recognize that plants and animals go through predictable life cycles that include birth, growth, development, reproduction, and death Demonstrate that living things are made up of different parts	Plants are born	Read Listen write	Draw of the flower Pictures Circle the correct answers Put the sentences in the right order	Page 35 Worksheet
<b>Apr</b>	<b>34</b>	<b>04/4 – 08/4</b>	<b>LS4.4A</b>	Recognize that plants and animals go through predictable life cycles that include birth, growth, development, reproduction, and death	Plants grow and change	Read Write Identify	Match the sentence halves Make a diagram with the plant's life processes Describe the life of a plant Hands on: Plants grow	Page 36 Worksheet
	<b>35</b>	<b>11/4 – 15/4</b>	<b>ESS2.4A</b>	Investigate local landforms and how wind, water, or ice have shaped and reshaped them (e.g. severe weather)	The landscape	Read Listen Write	Compare some photos to class of different landscapes Draw a picture Discuss Work in group Students listen and circle the words they hear	Page 37, 38 Worksheet
	<b>36</b>	<b>18/4 – 22/4</b>	<b>ESS2.4A</b>	Describe mountain features by using pictures	Mountains	Read Listen Write	Answer the questions pictures Discuss the difference between mountains and plains Write the words in	Page 39 Worksheet

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							the box in the correct column	
	37	25/4 – 29/4 (Review)					Review unit 10, 11	
May	38	02/5 – 06/5 (Final Term Test)						Paper test
	39	09/5 – 13/5 (School Report)						
	40	16/5 – 20/5	ESS3.4A	Illustrate the locations of water on Earth by using drawings, maps, or models	Rivers Coast and seas	Read Listen Write	Complete the words Discuss Use a globe or atlas to show some important rivers Make a chart on the BB	Page 40, 41 Worksheet
	41	23/5 – 27/5	ESS6.4A	Describe weather by measurable quantities such as temperature, wind direction, wind speed and precipitation	Weather	Read Listen Write	Compare the weather Write the words and sentences Work in pairs	Page 42 Worksheet
	42	30/5 – 31/5						