Dubai International Private School

DIS, in partnership with parents and community, strives to prepare every student to be digitally literate, a lifelong learner, and a productive citizen.

Science Department

Grade 6 Science Curriculum Annual Plan 2024-2025

TERM-I - QUARTER- I- (California) HMH BOOK (DIMENSIONS)						
NGSS Code	DCIs	Module/ Unit	Topic	Learning Objectives	Week No. & Date	No. of Periods
Pre-requisite Lesson	General Basic Science	Diagnostic Test + General Basic Science	Diagnostic Revision + Scientific Methods	- Examine the steps of scientific methods theoretically by applying them using a specific experiment.	W1: 26/8 TILL 30/8	5
Pre-requisite Lesson	General Basic Science	General Basic Science	Scientific Methods & Converting between units	- Explore the unit conversion methods between each item	W2: 2/9 TILL 6/9	5
MS-ESS2-4 (Earth's System)	ESS2.C (The roles of water in Earth's surfaces processes)	Unit 3/ The flow of energy in systems Lesson 4.	Changes in energy drive the Water Cycle.	- Create a model of the water cycle that demonstrates the movement of water through Earth`s systems.	W3: 9/9 TILL 13/9	5
MS-ESS2-4 (Earth's System)	ESS2.C (The roles of water in Earth's	Unit 3/ The flow of energy in	Changes in energy drive the Water Cycle.	- Explain how the transfer of energy can result in the movement of	W4: 16/9 TILL 20/9	5

	surfaces processes)	systems Lesson 4.		water and in its changes of state.		
(MS-ESS2-6) Earth's System	(ESS2.A) Earth's systems. (ESS2.D) Weather and Climate	Unit 4/ Weather and climate Lesson 1	Air moves in patterns in Earth's atmosphere	- Design a model that describes atmospheric circulation and use it to explain the movement of matter and energy around Earth. - Explore how it is possible for dust from the Sahara to end up in the amazon.	W5: 23/9 TILL 27/9	5
(MS-ESS2-6) Earth's System	(ESS2.C) The roles of water in Earth's surface processes. (ESS2.D) Weather and climate.	Unit 4/ Weather and climate Lesson 2	Water moves in patterns in Earth's oceans.	- Explain the factors that influence the movement of ocean water. - Describe the flow of energy and the cycling of matter that are part of ocean circulation.	W6: 30/9 TILL 4/10	5
FALL MAP TEST SCIENCE					W7: 7/10 TILL 11/10	5
(MS-ESS2-5) Earth's System	(ESS2.C) The roles of water in Earth's surface processes. (ESS2.D)	Unit 4/ Weather and climate Lesson 3	Interactions in Earth's systems cause weather.	- Explain how air masses interact and cause changes in weather. - Gather evidence to explain what could cause a	W8: 14/10 TILL 18/10	5

	Weather and climate.			storm to happen suddenly.		
Project Week Q1					W9: 21/10 TILL 25/10	5
END OF QUARTER-I						

NGSS Code	DCIs	Module/ Unit	Topic	Learning Objectives	Week No. & Date	No. of Periods
QUARTER- II						
(MS-ESS2-6) Earth's System	(ESS2.D) Weather and climate.	Unit 4/ Weather and climate Lesson 5	Earth has different regional climates	- Develop and use models to describe what factors influence regional climates on Earth. - Explain why two regions have different climates.	W10: 28/10 TILL 1/11	5
(MS-PS3-5) Energy	(PS3.B) Conservation of energy and energy transfer.	Unit 3/ The flow of energy in systems. Lesson 1	Energy flows and causes change.	- Model the transfers and transformations of energy that can happen when the kinetic energy of an object changes. - Explain energy transformation.	W11: 4/11 TILL 8/11	5
(MS-PS3-5)	(PS3.B) Conservation	Unit 3/ The flow	Energy flows and	- Model the transfers and	W12:	5

Energy	of energy and energy transfer.	of energy in systems. Lesson 1	causes change.	transformations of energy that can happen when the kinetic energy of an object changes. - Explain energy transformation.	11/11 TILL 15/11	
(MS-PS3-4) Energy	(PS3.A) Definitions of Energy. (PS3.B) Conservation of energy and energy transfer.	Unit 3/ The flow of energy in systems. Lesson 2	Heat is a flow of energy.	- Investigate the factors that determine both the amount of thermal energy an object contains and how energy is transferred between objects. - Explain how we can visualize temperature differences.	W13: 18/11 TILL 22/11	5
Project Week Q2					W15: 25/11 TILL 29/11	5
(MS-LS1-3) From molecules to organisms: Structures and processes.	(LS1.A) Structure and function. (ETS1.A) Defining and Delimiting Engineering.	Unit 2 / Systems in organisms and Earth Lesson 1	Models help scientists study natural systems.	- Describe the features of natural systems. - Explain how physical model of the biosphere can help scientists study natural systems.	W16: 4/12 TILL 6/12	5

(MS-LS1-1) From molecules to organisms: Structures and processes.	(LS1.A) Structure and function.	Unit 2 / Systems in organisms and Earth Lesson 2	Cells are living systems.	- Describe a cell as a system made up of interacting parts. - Explain how a virus can make you sick.	W17: 9/12 TILL 13/12	5
WINTER BREAK						
Finalizing lessons +Revision Week					W18: 6/1 TILL 10/1	5
W19 & W20: Jan 13 TILL Jan 21: The final exam of Term 1 Jan 22: Makeup Exam						5
END OF QUARTER-II						