



**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

Grades 7 Science Curriculum Annual Plan **2024-2025**

**TERM-I - QUARTER- I HMH BOOK (CALIFORNIA SCIENCE DIMENSIONS)**

NGS 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-ESS 2-2 MS-ESS 2-3	ESS2.B Plate tectonics and large-scale system interaction	Unit 5-ESS-L1	The movement of Earth's Plates affects Earth's surface.	-Identify the three types of plate tectonics (convergent, divergent, and transform) -Examine the causes of plate tectonic movement. -Recognize the consequences of plate tectonics	W3: 9/9 TILL 13/9	5
MS-LS2-1	LS2.A Interdependent Relationships in Ecosystem	Unit 5 LS-L3	Resources availability affects organisms.  (Parts of an Ecosystem)	-Identify the biotic and abiotic factors in an ecosystem. -Recognize the level of organization in the ecosystem.	W4: 16/9 TILL 20/9	5

MS-LS2-2	LS2.An Interdependent Relationships in Ecosystem	Unit 5 LS-L4	Patterns can be observed in interactions between organisms	-Recognize the difference between the symbiotic relationship (mutualism, commensalism, and parasitism)	W5: 23/9 TILL 27/9	5
MS-PS1-1	PS1.A-1 Structure and properties of matter	Unit 2-PS-L1	Patterns can be observed in organisms and Non-living things. (The properties of Matter)	State Matter, in terms of mass and volume.  - Differentiate between mass and weight	W6: 30/9 TILL 4/10	
<b>FALL MAP TEST SCIENCE</b>					W7: 7/10 TILL 11/10	5
MS-PS1-1	PS1.A-1 Structure and properties of matter	Unit 2-PS-L1	Patterns can be observed in organisms and Non-living things. (Calculation Part)	State Matter, in terms of mass and volume.  - Differentiate between mass and weight	W8: 14/10 TILL 18/10	
<b>Project Week Q1</b>					W9: 21/10 TILL 25/10	5
<b>END OF QUARTER-I</b>						

NGSS Code	DCIs	Module/ Unit	Topic	Learning Objectives	Week No. & Date	No. of Periods
<b>QUARTER- II</b>						

MS-PS1-1	PS1.A-5 Structure and properties of matter	Unit 2-PS-L2	Matter exists in different states.	- State volume and density scientifically.  - Identify the physical and chemical properties of matter.	W10: 28/10 TILL 1/11	5
MS-PS1-4						

MS-PS1-1 MS-PS1-4	PS1.A-5 Structure and properties of matter	Unit 2- PS-L3	Changes of states.	- State volume and density scientifically.  -Identify the physical and chemical properties of matter.	W11: 4/11 TILL 8/11	5
MS-PS1-1 MS-PS1-3	PS1.A-1 Structure and properties of matter	Unit 2- PS-L4	Organisms & nonliving things are made of atoms.  (Atoms and Elements)	-Examine and identify the whole structure of atom.  -Explain the difference between a homogenous and heterogenous mixture.	W12: 11/11 TILL 15/11	5
MS-PS1-1 MS-PS1-3	PS1. A. Structure and properties of matter	Unit 2- PS-L4	Organisms & nonliving things are made of atoms.  (Molecules and Extended structures)	-Justify the difference between Molecules and compounds.  - illustrate some of the compounds used in daily life.	W13: 18/11 TILL 22/11	5
<b>Project Week Q2</b>					W14:  25/11 TILL 29/11	
MS-PS1-2 MS-PS1-5	PS1. A. chemical reactions	Unit 3- PS-L1	Matter changes identify in chemical Reactions	-Identify the component of the chemical equation (reactant) and (product)  -State the signs of chemical reaction  -Count the atoms of any molecule or compound using	W15: 4/12 TILL 6/12	

				(subscript by coefficient)		
MS-PS1-2  MS-PS1-5	PS1. A. chemical reactions	Unit 3-PS-L2	Chemical Equations model chemical reactions	-Count the atoms of any molecule or compound using (subscript by coefficient)  -State whether the chemical equation is balanced or not	W16: 9/12 TILL 13/12	5
<b>WINTER BREAK</b>						
Finalizing lessons +Revision Week					W17: 6/1 TILL 10/1	
<b>W18 &amp; W19:</b>  Jan 13 TILL Jan 21: The final exam of Term 1 Jan 22: Makeup Exam						
<b>END OF QUARTER-II</b>						