



مدرسة القديسة مريم الكاثوليكية الثانوية – دبي
ST. MARY'S CATHOLIC HIGH SCHOOL, DUBAI

Lesson Plan

Subject	Science
Class/ Section	Year 7 A - F
Week	Week 3 - 12 th Sept - 16 th Sept
Work send to students by	Google classroom
Total number of lessons per week	4 lessons
Unit/Topic	7A Cells ,tissues, organs, and systems
Key Vocabulary	Trachea, diaphragm, rectum, photosynthesis, tissue, xylem tissue, fatty liver, circulatory system, nervous system, urinary system.
	<u>Lesson 1 7Ab Organs</u> <u>Specific Learning objectives</u> Functions of Organs <u>Specific Intended Learning Outcomes</u> Identify and locate important plant and animal organs. Describe the functions of important plant and animal organs Describe what happens in photosynthesis.
	Tasks Tabulate different organs of humans and plants Make a table of functions of different organs. Write the word equation for Photosynthesis Observe photo E, Page 9 identify the storage organs in Plants.

<p>Assessment Criteria/ Essential questions</p>	<p>Support: Draw a diagram of human organs (Refer Pg 8 Photo B)</p> <p>Stretch: List the organs and write functions of each organ.</p> <p>Extend: Find the human organ which is similar to a leaf. Explain how it is similar.</p>
<p>Resources</p>	<p>Exploring Science International -7 Pages 8-9</p> <p>Active teach -Presentation , ppt</p> <p>Doodle learn- Organs Quiz</p> <p>https://www.doddlelearn.co.uk/app/teacher/launch-content/a99a2279-b9e6-45b3-a4b6-306ca87ae0ed</p>
	<p><u>Lesson 2 7A c Tissues</u></p> <p><u>Specific Learning objectives</u></p> <p>Importance of tissues</p> <p><u>Specific Intended Learning Outcome</u></p> <p>-Identify and recall named tissues in human and plant organs.</p> <p>-Describe the functions of different tissues in an organ.</p>
<p>Tasks</p>	<p>Tasks</p> <p>Research about Pathologist and their contribution in detecting crimes and identifying diseases.</p> <p>Write the function of heart.</p> <p>Identify the different tissues in the heart and discuss the function of different tissues in the heart. Refer Page18</p> <p>Debate on life style disorders that lead to fatty liver.</p> <p>Refer photo E page 13 – list the adaptation of root hair tissue on a radish plant.</p>
<p>Assessment Criteria/ Essential questions</p>	<p>Support: Search and find about pathologists- who they are and what they contribute to science.</p> <p>Answer questions 1 ,2&3 Text book Page 12-13</p> <p>Work book pages 6</p> <p>Stretch: List few organs and find the different tissues found in each one of them.</p> <p>Answer Questions 4,5&6Text Book Page 13</p> <p>Work book Page 7</p>

	<p>Extend: Find the main cause for liver diseases and suggest ways to protect liver from getting damaged</p> <p>Answer Questions 7,8&9 Text book Page 13</p> <p>Work book Pages 7</p>
Resources	<p>Exploring Science International -7 Pages 12-13</p> <p>Active teach -Presentation , ppt</p> <p>https://www.doddlearn.co.uk</p> <p>Tissue – Presentation.</p>
	<p><u>Lesson 3 7A e Organ Systems</u></p> <p><u>Specific Learning objectives</u></p> <p>Working of cells tissues and organs.</p> <p><u>Specific Intended Learning Outcome</u></p> <p>Identify and recall the main organs in the plant water transport system</p> <p>Identify and recall the main organs in the human locomotor, digestive , circulatory , breathing , urinary and nervous systems.</p>
Tasks	<p>Tasks</p> <p>Tabulate the organs in different organ system in the body.</p> <p>Write the functions of each organ in different organ systems.</p> <p>Make tableau column on different cells in heart and write the functions of different cells in the heart.</p> <p>Write the organ system in plants. Refer Page 19 Photo G</p>
Assessment Criteria/ Essential questions	<p>Support:</p> <p>Write the organs in each organ system like circulatory system, digestive system, urinary system.</p> <p>Q 1,2 &3 Page 18</p> <p>Stretch:</p> <p>Discuss how each organ system work together in a human system</p> <p>Q 4,5&6 Page 19</p> <p>Extend:</p> <p>Research the water transport system in plants.</p> <p>Q 6,7&8 Page 19</p>

Resources	Exploring Science International -7 Pages 18-19 Active teach -Presentation , ppt https://www.doddlelearn.co.uk Organ system - Presentation
	<p>Lesson 4</p> <p>7A Cells ,tissues, organs, and systems</p> <p><u>Specific Learning objectives</u></p> <p>Recall cells, cell organelles, tissues, organs, organ systems, and their functions.</p> <p><u>Specific Intended Learning Outcome</u></p> <p>Know to list the differences between plant cell and animal cell Know the organs in an organ system Describe the functions of each organ in an organ system</p>
Assessment Criteria/ Essential questions	<p>Tasks</p> <p>Work sheets with differentiated questions.</p> <p>Support</p> <p>Explore the factors that lead to organ transplant.</p> <p>Stretch</p> <p>Research about transplant of organs</p> <p>Extend</p> <p>Debate on the risk factors of transplantation of organs.</p>
Resources	Active Learn work sheets. https://www.doddlelearn.co.uk Organ & Organ system -Quiz