

MYP SUBJECT OVERVIEW

Carl Hankey School 2018-19

SUBJECT: Sciences

MYP Year 1

TEACHER: Jarrett

Unit Title Time Frame	Key Concept	Related Concept(s)	Global Context	Statement of Inquiry	MYP Subject Objectives	ATL Skills	Content
----------------------------------	--------------------	-------------------------------	---------------------------	-------------------------------------	---------------------------------------	-----------------------	----------------

<p>How Do our Bodies Systems Work?</p>	<p>Systems</p>	<p>Function, Balance</p>	<p>Models</p>	<p>Models can help us understand how balanced systems function</p>	<p>All Strands: Criteria: A, B, C</p>	<p>Thinking Skills Self Management Social</p>	<p>CA Learning Objectives:</p> <p>LS1 Students will be able to define a system and give examples. They will know the components of a system, provide examples and explain how knowing the components of a system better helps us understand the system. They will be able to provide evidence that a system model helps us better understand our world.</p> <p>Cross Cutting Concepts Systems and System Models MS-LS1-1 Systems may interact with other systems: they may have sub-systems and be a part of larger more complex systems</p> <p>Science and Engineering Practice: EP MS-LS1-2 Developing Models Develop and use a model to describe phenomena</p> <p>MS-ETS1-1. Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.</p>
--	-----------------------	---------------------------------	----------------------	--	---	---	---

--	--	--	--	--	--	--	--	--

Unit Title Time Frame	Key Concept	Related Concept(s)	Global Context	Statement of Inquiry	MYP Subject Objectives	ATL Skills	Content
Cells (Interdisciplinary with Language A)	Systems	Functions, Structure	Processes	Systems use structures and functions to complete a function.	Criteria A: i-iii	Thinking	<p>LS1.A Structure and Function</p> <p>All living things are made up of cells, which is the smallest unit that can be said to be alive. An organism may consist of one single cell or many different numbers and types of cells.</p> <p>Within cells, special structures are responsible for particular functions, and the cell membrane forms the boundary that controls what enters and leaves the cell.</p> <p>In multicellular organisms, the body is a system of multiple interacting subsystems. These subsystems are groups of cells that work together to form tissues and organs that are specialized for particular body functions.</p>