Port Moresby International School
Unit & Assessment Outline

Unit & Assessment Semester Outline for Students & Parents Grades 7 – 10.

Year	2026	**Grade**	9	**Semester**	2
Course Title	Co-ordinated Science (Double)				
Curriculum Taught	CAIE IGCSE 0654/PNG				
Topics	Biology, Chemistry and Physics				

Assessment

Week	Topic	Type of Task	Weighting
3	Biology: Plant Nutrition	Poster/Assignment	20%
4	Chemistry: Electrochemistry Chemical Energetics	Practical and Practical Report	20%
13	Physics: Waves	Test	20%
15	All Semester 2 topics	Semester Exam	40%

Learning outcomes against which the students will be reported

- Recall, facts, definitions and scientific principles.
- Apply concepts and links knowledge in unfamiliar situations.
- Designs, performs, undertakes and report on scientific investigations.
- Communicate scientific ideas and information with relevance and logical development.

Course Aims/Goals

Students will be assessed against the following criteria:

- Knowledge and Understanding
- Critical Thinking
- Investigative Skills
- Communication Skills
- Effective Work Practices

A more detailed Rubric will be supplied with each assessment item.
It is the student's responsibility to keep up with assessment due dates and content covered in class during his/her absence. All information covered in class can be found on the student server. Contact info: awajid@pmis.iea.ac.pg and kgasser@pmis.iea.ac.pg

Regulations governing Late Submission of Work, Non-Submission of Work, Attendance, Cheating/Plagiarism & Rights of Appeal may be found in the Grade 7-8 and 9-10 Curriculum Handbooks, or from the POMIS website;

www.pmis.iea.ac.pg

Content Outline

Weeks	Content Outline	Curriculum Links
1-2	**Biology** Plant Nutrition Transport in Plants	B6, B9
3 -4	**Chemistry** Electrochemistry REVISE 4.01, 4.02 Chemical Energetics 5.01	C4.1, 4.2 C5.1 CORE
5- 6	**Physics** Kinetic particle model of matter Pressure changes Matter and Thermal properties Thermal process	P 3.01-3.04
7 - 9	**Biology** Transport in Animals Diseases and Immunity	B9, B10
10 - 11	**Chemistry** The Periodic Table Arrangement of elements, Group 1, 7 and 8 properties, The transition metals, the noble gases.	C8 8.01, 8.02, 8.03, 8.04, 8.05
12-13	**Physics** General wave properties Light Electromagnetic spectrum Sound	P 4.01-4.04
14	**Revision**	
15-16	**Semester exam** **Biology** Gas Exchange Respiration	 B11 B12
17	Experimental techniques and chemical analysis 12.01, 12.02	C12
18 - 20	**STEM/SCIENCE FAIR**	