Port Moresby International School

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Owned and operated by the International Education Agency.

Unit & Assessment Semester Outline for Students & Parents Grades 11 – 12.

Year	2026	Semester	2	Grade	11	
Curriculum		PNG				
Subject Title/s		BIOLOGY				
Course Name		PNG BIOLOGY				
Unit Name		Respiration, Circulatory system, Nervous system & Reproduction				
Course Code		1B_PN		Unit Code		11.3-11.6

Assessment

Week	Topic(s)	Type of Task	Weighting
3	Respiration effects	Practical (15%) & Quiz(5%)	20%
8	Body systems	Theory Test	25%
12	Endocrine System	Research & Presentation	25%
16	All topics taught	Semester Exam	30%

Learning outcomes against which the students will be reported

Recalls facts, definitions and scientific principles.
Applies concepts and links knowledge in unfamiliar situations.
Designs, performs, undertakes and reports on scientific investigations.
Communicates scientific ideas and information with relevance and logical development.

Course Aims/Goals

Students will be assessed on the degree to which they demonstrate:

- knowledge and understanding
- critical thinking
- investigative skills
- communication skills
- effective work practices

Assessment Rubrics will be provided with different assessment tasks where the above criteria will be explained further.

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Regulations governing PNG Late Submission of Work, Non-Submission of Work, Attendance, Cheating/Plagiarism, Grade Descriptors, Moderation Procedures, Method of unit score calculation, meshing procedures, Course information - are available from the PMIS website;

www.pmis.iea.ac.pg

Summary of Content

Weeks	Content Outline	Curriculum Links
1-3	Gas exchange in animals Breathing in humans Cellular respiration in humans	PNG 11.3
4-6	Human circulatory system Human immune system Diseases of the circulatory system Circulation in insects, fish, birds, amphibians and mammals	PNG 11.4
7-9	Lymphatic system and function Nervous system Central nervous system Peripheral nervous system	PNG 11.5
10-12	Endocrine structures and functions Exocrine structures and functions Kidney structures and functions	PNG 11.4 PNG 11.5 PNG 11.5
13-14	Reproduction and fertilisation in animals Developmental stages in humans Hormones in the menstrual cycle	PNG 11.6
15-16	Family planning methods Sexually transmitted diseases	PNG 11.6
17-18	Reproduction in plants Artificial vegetative reproduction	PNG 11.6
19-20	Gas exchange in plants Transport system in plants Plant Response to stimulus (Tropism)	PNG 11.4 PNG 11.3 PNG 11.5