

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

Year	2018	Semester	2	Grade	12	Unit Value	1
Curriculum	ACT/PNG INFORMATION TECHNOLOGY						
Subject Title/s	Module 1 to Module 5						
Course Name	IT Project						
Code/Unit	1209/12258						

Assessment Tasks

Week Due	Topic(s)	Type of Task	Weighting
5	Networking & The Internet	Network Diagram	50%
8	General – All Term 3 Topics	Written Theory Test	50%

ACT. Learning outcomes against which the students will be reported.

The specific goals of this unit are for students to:

- demonstrate depth and breadth of knowledge in computer networking and their physical setup in different geographical locations
- apply knowledge and understanding to solve problems in different concepts involved in ICT.
- critically research, analyse, evaluate and synthesise information from a variety of sources, including their own work and the work of their peers
- develop understanding in constructing Relational databases with the competency of creating fields, tables, queries, forms and reports.
- follow instructions and make accurate and precise observations while observing the internal of a PC desktop
- communicate computer components information to diverse audiences in an appropriate manner using a variety of media and technologies
- appreciate the role and implications of spreadsheet features such as functions, formulas and concepts involved in Financial decision making
- demonstrate depth and breadth of knowledge of the operation and evolution of Operating Systems
- apply knowledge and understanding of the operation and use of Networking in setting up The Internet
- readings of the use of social networking sites and Internet Issues
- communicate understanding in networking technologies used in different geographical areas
- work independently and collaboratively to conduct group presentations and design and build spreadsheets and databases
- appreciate the role and implications of OHS (Occupational Health and Safety) evident in the IT Industry.

PNG. Assessment Criteria.

Assessment tasks elicit responses that demonstrate the degree to which students have achieved the goals of a unit (and the course as a whole).

Assessment Task Types (with weightings) group assessment tasks in ways that reflect agreed shared practice in the subject area and facilitate the comparison of student work across different assessment tasks.

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

- knowledge, understanding, application, application, analysis and evaluation
- planning, designing, creating and implementing
- communication and interpersonal skills
- flexible, adaptive and creative thinking.

Summary of Content

Weeks	Content Outline	Curriculum Links
1	Introduction to Relational Database <ul style="list-style-type: none"> - What are Fields, Tables, Queries, Forms, Reports - What is a Primary Key and Foreign Key? - What is Relational Database? 	ACT/PNG
2	IT Concepts <ul style="list-style-type: none"> - What are the practices in OHS for ICT? - What are the issues affecting ICT? - What is Software copyright and Software Privacy? <ul style="list-style-type: none"> - What are the limitations and capabilities of IT usage? <i>Relational Database- Vocabulary Quiz & Creating a Query – Practical Exercise</i>	ACT/PNG
3-4	Information Technology <ul style="list-style-type: none"> - What are the different components inside a desktop? - Identify hardware and software components - Outline the evolution of Windows OS - What are the different available Computer Systems? <ul style="list-style-type: none"> - What is GUI and CLI? 	ACT/PNG
5-6	Networking and The Internet <ul style="list-style-type: none"> - What is a Network Topology and its different topologies? - What are the different Network Areas? - What is Network Security? - What is the Internet? - How is the Internet Setup through an ISP? - What are the Internet Developments? - What are the Networking Protocols? Networking and the Internet: Network Diagram Due Week 5 (20%)	ACT/PNG
7	MOCK EXAMS	PNG
8	Advanced Spreadsheet <ul style="list-style-type: none"> - What is conditional formatting? - What is Logical and Financial functions? - What is the importance of PMT functions and If Nested functions? End of Term General Test – Written Theory Test Week 9 (30%)	ACT/PNG
9-12	REVISION ON PAST EXAM PAPERS	PNG