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BASIC 7

WEEKLY LESSON PLAN – WEEK 5

Strand:	Communication networks		Sub-Strand:		Information security	
Content Standard:	B7.3.3.1. Recognize data threats and means of protection					
Indicator (s)	B7.3.3.1.1 Discuss the key principles of information security (confidentiality, integrity and availability) B7.3.3.1.2 Explore the legal issues regarding intellectual property rights (e.g. Copyright, Patent, Trademark, Piracy, Copyright Infringement) B7.3.3.1.3 Evaluate information security forensic auditing and criminal laws against offenders		**Performance Indicator:** Learners can identify the laws protecting data.			
Week Ending						
Class	B.S.7		**Class Size:**		**Duration:**	
Subject	Computing					
Reference	Computing Curriculum, BS7 Computing Textbook, Teachers Resource Pack, Learners Resource Pack					
Teaching / Learning Resources	Personal Computer, Smart Phone, Poster, Pictures.		**Core Competencies:**			
DAYS	**PHASE 1 : STARTER**	**PHASE 2: MAIN**				**PHASE 3: REFLECTION**

TUESDAY	Discuss the meaning of Information Security with the Learners.	1. Assist Learners to identify the 3 key principles of Information security.
		2. Learners brainstorm to describe scenarios involving information security.
		3. Discuss with Learners the difference between confidentiality, integrity and availability.
		
		The fundamental principles (tenets) of information security;
		    ✓ **Confidentiality**
		    ✓ **Integrity**
		    ✓ **availability**.
		 Every element of an information security program (and every security control put in place by an entity) should be designed to achieve one or more of these principles.
						Through questions and answers, conclude the lesson.
						
						Exercise;
						
						    1. What is Information Security?
						    2. Write 5 scenarios involving information security.

		Together, they are called the CIA Triad.	
		  Examples of Information Security; - ○ pass cards or codes for access to buildings - ○ user ids and passwords for network logi - ○ finger print - ○ retinal scanners **Information Security Activities;** - Inspection - Modification - Recording - disruption or destruction. The goal is to ensure the safety and privacy of critical data such as customer account details, financial data or intellectual property 	
FRIDAY	Review Learners knowledge on the previous lesson.	1. Discuss with Learners the concepts of copyright (e.g. freeware, shareware, cripple ware). 2. Assist Learners to differentiate between Copyright and Copyright Infringement. 3. Discuss the laws protecting data and the applicable sanctions for their breach. 4. Learners in small groups to discuss about the consequences associated with breaking Copyright laws. 5. Show Learners a video of how offenders of data security breach are identified. **Copyright;** Copyright refers to **the legal right of the owner of intellectual property**. In simpler terms, copyright is the	Learners brainstorm to Identify some common occurrences of data security breaches that people in the community overlook and their corresponding sanctions. **Exercise;**

		right to copy. This means that the original creators of products and anyone they give authorization to are the only ones with the exclusive right to reproduce the work. **Difference between Shareware and Cripple ware;** cripple ware is a program whose functionality is severely limited beyond that of shareware, often in the interest of its author having the cripple ware user make a purchase of the uncrippled program while shareware is (computing) a type of software that is distributed. **Difference between Freeware and Shareware;** Freeware software is provided to its users free of cost. Shareware software is provided to its users free for a limited period of time after which software needs to be paid. The source code of the software is not available to its user.	1. Differentiate between Copyright and Copyright Infringement 2. State the laws protecting data and the applicable sanctions for their breach.

Shareware

- Free to use with limitations
- Forced trial period, often 30 days
- Some features may require payment

Freeware

- Free to use with no limitations
- No trial period
- All features are operational for all users

Name of Teacher: *School:*   *District:*