

FIRST TERM

WEEKLY LESSON NOTES – B8

WEEK 6

Week Ending: 17-02-2023	DAY:	Subject: Computing
Duration: 60mins		Strand: Introduction To Computing
Class: B8	Class Size:	Sub Strand: Technology In the Community
Content Standard: B8.1.2.1. Demonstrate the use of Technology in the Community	Indicator: B8.1.2.1.3. Explain the issues associated with online services (e.g. social media, wikis, blogs,	Lesson: 1 of 2
Performance Indicator: Learners can Identify the categories of special needs and the technology they use.		Core Competencies: CC8.2: CP6.1
Reference: Computing Curriculum P.g. 24		
Activities For Learning & Assessment		
Resources		
Progression		
<p>Starter (5mins)</p> <p>Revise with learners to review their understanding in the previous lesson.</p> <p>Share performance indicators and introduce the lesson.</p> <p>Main (35mins)</p> <p>Brainstorm learners to mention some common online media they use. Example; WhatsApp, Twitter, Facebook, Instagram, Ayo, YouTube, etc.</p> <p>Have learners discuss in groups, the function of each of the online media identified above.</p> <p>They also discuss the advantages and disadvantages of each.</p> <p>Guide learners identify issues that are associated with online service or media.</p> <p>The 3 main issues that are going to be explained in depth are:</p> <ul style="list-style-type: none"> • Reliability of Passwords, • Identity Theft • Network Security. <p>Reliability of Passwords</p> <p>Many people tend to use very easy passwords for many of their accounts because they find simple passwords much easier to remember. What they don't know is that these simple passwords put their computer at risk, and allow for hackers to access their financial and personal information. Here is a list of some of the world's most popular passwords:</p> <ul style="list-style-type: none"> • 123456 • password 		
Pictures and videos		
Identifying the categories of special needs and the technology they use.		

- Password l

Identity Theft

Identity theft can also be known as identity fraud, which is a crime in which an imposter obtains key pieces of personally identifiable information, such as Social Security or driver's license numbers, in order to impersonate someone else for financial or legal purposes. Some ways that identity can be stolen are listed below

- Stealing your mail
- Looking for personal documents in your trash
- Tampering with ATMs or card machines in shops to steal your banking information
- Taking personal information through public sources (e.g. phone books and social media)

Network Security

Network security is any activity designed to protect the usability and integrity of your network and data.

There are many types of network securities that are available to us such as: Access control, Firewalls, and VPN which most of us are quite familiar with.

- **Access Control:** There is a process called network access control, which allows users to keep out potential attackers. In order to keep out potential attackers, it is necessary to recognize each user and each device.
- **Firewalls:** Firewalls put up a barrier between your trusted internal network and untrusted outside networks, such as the internet. A firewall can be hardware, software, or both.
- **VPN:** VPN stands for a virtual private network. A VPN encrypts the connection from an endpoint to a network, often over the internet. Typically, a remote-access VPN uses IPsec or Secure Sockets Layer to authenticate the communication between device and network

Assessment

1. Why do people use simple passwords that can easily be guessed?
2. Why is it good to use a different password for each website?
3. What are some ways that your identity can be stolen?
4. How does a firewall protect your computer?

Evaluate issues that are associated with online service delivery

Reflection (10mins)

Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.

Take feedback from learners and summarize the lesson.

Homework/Project Work/Community Engagement Suggestions

- Why do people use simple passwords that can easily be guessed?
- Why is it good to use a different password for each website?
- What are some ways that your identity can be stolen?

Cross-Curriculum Links/Cross-Cutting Issues

None

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<p>None</p>		
<p>Potential Misconceptions/Student Learning Difficulties</p>		
<p></p>		