FIRST TERM
WEEKLY LESSON NOTES – B9
WEEK 2

Week Ending: 13-10-2023	**DAY:**	**Subject:** Computing
Duration: 60mins		**Strand:** Introduction To Computing
Class: B9	**Class Size:**	**Sub Strand:** Components Of Computers

Content Standard: B9.1.1.1 Identify parts of a Computer and Technology Tools	**Indicator:** B9.1.1.1.3 Discuss the uses of Output devices such as Wearable Displays, E-Paper, E-Books, Kindle	**Lesson:** 1 of 2

Performance Indicator: Learners can discuss the uses of Output devices such as Wearable Displays, E-Paper, E-Books, Kindle	**Core Competencies:** CC8.2: CP6.1
New words	Wearable Display, E-Paper, E-Books, Kindle
Reference: Computing Curriculum P.g. 40	

Activities For Learning & Assessment	**Resources**	**Progression**
Starter (5mins) Display a collection of images – one of someone wearing Google Glass, one of an E-Paper display (like those in grocery store price tags), and one of someone reading on a Kindle. Ask students to discuss in pairs what they think these devices do and how they might be used in daily life. Share performance indicators and introduce the lesson. ***Main (35mins)*** Begin with a brief overview of what an "output device" is in the realm of technology. Introduce the concept using Google Glass as an example. Discuss its features such as taking photos, accessing information hands-free, and its potential applications. Explain the basics of E-Paper, emphasizing its low energy usage and how it mimics real paper. Highlight common applications like price tags or certain types of watches. Describe the transition from traditional books to digital versions. Discuss the Kindle's features like adjustable text size, backlight for nighttime reading, and storage of thousands of books. Students to brainstorm in small groups other potential applications or scenarios where these devices could be beneficial.	Pictures and videos	Discussing the uses of Output devices such as Wearable Displays, E-Paper, E-Books, Kindle

Assessment 1. What is a significant benefit of using Wearable Displays like Google Glass? 2. How does E-Paper mimic real paper and where might you commonly see it used? 3. What are some advantages of E-Books over traditional paper books? 4. How might devices like the Kindle impact the environment positively? ***Reflection** **(10mins)*** Recap the importance and versatility of modern output devices, noting their role in making our lives more convenient and potentially reducing our environmental footprint. 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

- What is a significant benefit of using Wearable Displays like Google Glass?
- How does E-Paper mimic real paper and where might you commonly see it used?
- What are some advantages of E-Books over traditional paper books?
- How might devices like the Kindle impact the environment positively?

Cross-Curriculum Links/Cross-Cutting Issues

None

Potential Misconceptions/Student Learning Difficulties

None

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Duration: 60mins		**Strand:** Introduction To Computing	
Class: B9	**Class Size:**	**Sub Strand:** Components Of Computers	
Content Standard: B9.1.1.1 Identify parts of a Computer and Technology Tools	**Indicator:** B9.1.1.1.4 Describe Storage Systems		**Lesson:** 2 of 2
Performance Indicator: Learners can identify the various storage systems available, their functionalities, and implications of their use in our digital world.		**Core Competencies:** CC8.2: CP6.1	
New words	Cloud Storage, Network Storage, Holographic Storage, Smart Card		
Reference: Computing Curriculum P.g. 40			

Activities For Learning & Assessment	**Resources**	**Progression**
Starter (5mins) Display an image of a floppy disk, a CD, a USB drive, and a cloud symbol. Ask students to discuss in pairs or small groups the evolution of storage over time and how each device or symbol represents storage. Share performance indicators and introduce the lesson. ***Main (35mins)*** Begin with an overview of storage systems, from physical storage (like CDs, DVDs) to digital storage methods. Discuss network storage systems, how cloud storage fits into this, and other forms like smart cards and holographic storage. Divide students into groups, assigning each group a specific storage type (e.g., one group might research Google Drive while another focuses on smart cards). Using classroom resources like computers or tablets, groups should explore their assigned storage system, focusing on its primary functions, benefits, and drawbacks. Each group will present their findings briefly. Facilitate a discussion comparing the different storage methods, especially highlighting the pros and cons of cloud storage. <u>Assessment</u> 1. What is the primary difference between cloud storage and network storage? 2. What is a specific use of a smart card in daily life? 3. How does holographic storage differ from traditional storage methods? 4. Name one advantage and one disadvantage of using cloud storage.	Pictures and videos	Describing Storage Systems

Reflection ***(10mins)*** Recap the day's discussions, emphasizing the increasing importance of understanding and navigating various storage systems in our modern world. 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		
• What is cloud storage, and how does it differ from local storage on your computer? • Name one benefit and one drawback of using cloud storage. • How does a smart card store information, and where might you encounter one in daily life? • What makes holographic storage unique compared to other storage methods?		
Cross-Curriculum Links/Cross-Cutting Issues		
None		
Potential Misconceptions/Student Learning Difficulties		
None		