

WEEKLY LESSON PLAN – B7

WEEK 6

Strand : Introduction to computing	Class : B7		
Sub Strand : Technology in the community	Duration : 50 mins		
Content Standard : B7.1.2.1. Demonstrate the use of Technology in the community.	Date :		
Indicators : B7.1.2.1.5. Propose environmentally responsible practices that can be used to reduce the negative impact of computers and computer use on the environment	Day :		
Key words :6			
Activities For Learning & Assessment			
	Equipment/Reso urces	Learners Resource Page Ref.	Progression
<p>Starter (5 mins)</p> <p>Recap with learners to review their understanding in the previous lesson.</p> <p>Share performance indicators and introduce the lesson.</p> <p>Main (35 mins)</p> <p>Bring pictures of energy-efficient gadgets or devices to class e.g. energy saving light bulbs, energy-efficient cooking stoves, toilet water saver, solar chargers, energy saving shower heads etc. to class.</p> <p>Guide learners to discuss in groups and present to the whole class examples of energy-efficient devices and techniques.</p> <p>Revise with learners on the negative impact of computers and computer use on the environment.</p> <p>Example: Negative effects – resource depletion ,pollution, privacy and security etc</p>	Manila card, flipchart, surfing the internet for solutions		Proposing environmentally responsible practices that can be used to reduce the negative impact of computers and computer use on the environment

Guide learners to discuss how the negative effects identified can be reduced.
 Example: avoid wasting electricity, avoid wasting paper, dispose of old equipment responsibly

Guide learners to evaluate environmentally responsible practices.

Put learners in groups to propose measures to effectively manage e-waste in a particular environment (e.g. Agbogbloshie).



Reflection (10 mins)

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

- Identify any two negative effect of computers on the environment.
- State two ways of reducing the negative effects identified.

Cross-Curriculum Links/Cross-Cutting Issues

Potential Misconceptions/Student Learning Difficulties

- Learners may have a problem browsing the internet in areas with weak network reception.
- Learners experiencing challenges with various websites may need assistance when browsing the internet and using the technology tools.
- Learners may not appreciate that the internet is also a technology tool.

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Sub Strand : Technology in the community	Duration : 50 mins		
Content Standard : B7.1.2.1. Demonstrate the use of Technology in the community.	Date :		
Indicators : B7.1.2.1.6. Create a component from disposed computer parts.	Day :		
Key words :6			
Activities For Learning & Assessment			
	Equipment/Resources	Learners Resource Page Ref.	Progression
<p>Starter (5 mins)</p> <p>Recap with learners to find out what they already know about computer recycling.</p> <p>Share performance indicators and introduce the lesson.</p> <p>Main (35 mins)</p> <p>Guide learners to explain the meaning of computer recycling. <i>Computer recycling is the disassembly and separation of components and raw materials of waste electronics.</i></p> <p>Learners to discuss the importance of computer recycling.</p> <p>Task learners to collect and bring disposed computer/electronic parts from the community to school.</p> <p>Lead learners to create a component from the disposed computer parts.</p> <p>Have learners watch a video/picture depicting the recycling of computer parts.</p>	Manila card, flipchart, surfing the internet for solutions		<p>Demonstrating the use of Technology in the community.</p> <p>Creating a component from disposed computer parts.</p>

<p>Reflection (10 mins) Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.</p> <p>Take feedback from learners and summarize the lesson.</p> <p>Ask learners how the lesson will benefit them in their daily lives.</p>			
<p>Homework/Project Work/Community Engagement Suggestions</p>			
<p>Learners to create a component from disposed computer parts.</p>			
<p>Cross-Curriculum Links/Cross-Cutting Issues</p>			
<p>Potential Misconceptions/Student Learning Difficulties</p>			
<ul style="list-style-type: none"> • Learners may have a problem browsing the internet in areas with weak network reception. • Learners experiencing challenges with various websites may need assistance when browsing the internet and using the technology tools. • Learners may not appreciate that the internet is also a technology tool. 			