







## WEEKLY LESSON PLAN – B7

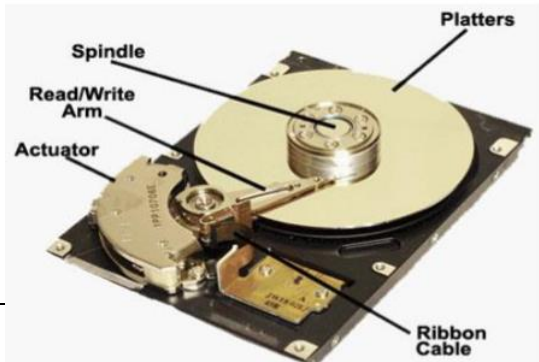
## WEEK 2

<b>Strand</b> : Introduction to computing	<b>Class</b> : B7		
<b>Sub Strand</b> : Components of Computer	<b>Duration</b> :		
<b>Content Standard</b> : B7.1.1.1. Examine the parts of a computer	<b>Date</b> : 24 <sup>TH</sup> JAN, 2022		
<b>Indicators</b> : B7.1.1.1.3. Examine the uses of the output devices:	<b>Day</b> :		
<b>Key words</b> : speakers, projector, headphones			
<b>Activities For Learning &amp; Assessment</b>	<b>Equipment/Resources</b>	<b>Learners Resource Page Ref.</b>	<b>Progression</b>
<p><b>Starter (5 mins)</b></p> <p>Using questions and answers, find out what learners already know about output devices.</p> <p>Share with learners the performance indicators.</p> <p><b>Main (35 mins)</b></p> <p>Engage learners to watch video or pictures of output devices in use.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p><b>Projector</b></p> </div> <div style="text-align: center;">  <p><b>Monitor</b></p> </div> <div style="text-align: center;">  <p><b>Speakers</b></p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  <p><b>Printer</b></p> </div> <div style="text-align: center;">  <p><b>Headphone</b></p> </div> <div style="text-align: center;">  <p><b>Printer</b></p> </div> </div>	Set of computer, Video /pictures, wall chart	Computing Curriculum Pg. 3	Learning how to identify and use output devices

<p>Using the pictures, brainstorm learners to come out with the use of the output devices.</p> <p>Guide learners to demonstrate the use of output devices in a computer laboratory or classroom.</p> <p>Let learners explore the advantages and disadvantages of output devices.</p> <p><b>Reflection (10 mins)</b></p> <p>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 in turns to demonstrate the use of output devices.</p>			
<p><b>Homework/Project Work/Community Engagement Suggestions</b></p>			
<ul style="list-style-type: none"> <li>• What is an output device?</li> <li>• Mention any five output device you know.</li> <li>• State the functions of the output devices stated above</li> </ul>			
<p><b>Cross-Curriculum Links/Cross-Cutting Issues</b></p>			
<p><b>Potential Misconceptions/Student Learning Difficulties</b></p>			
<p>Learners inability to distinguish between input and output devices The facilitator can arrange to use the nearby school's computer lab</p>			

<b>Strand</b> : Introduction to computing	<b>Class</b> : B7
<b>Sub Strand</b> : Components of Computer	<b>Duration</b> :
<b>Content Standard</b> : B7.1.1.1. Examine the parts of a computer	<b>Date</b> : 24 <sup>TH</sup> JAN, 2022
<b>Indicators</b> : B7.1.1.1.4 Examine full-sized external hard drives, hard drive speed, disk caching, Storage portable hard drives, Optical Discs and Drives	<b>Day</b> :
<b>Key words</b> : magnetic storage devices, portable hard drives, Optical Discs and Drives	

<b>Activities For Learning &amp; Assessment</b>	<b>Equipment/Resources</b>	<b>Learners Resource Page Ref.</b>	<b>Progression</b>
<p><b>Starter (5 mins)</b></p> <p>Recap with learners to find out what they already know about storage devices.</p> <p>Share with learners the performance indicators.</p> <p><b>Main (35 mins)</b></p> <p>Guide learners to Identify magnetic storage devices, portable hard drives/Optical Discs and Drives or pictures of these items to class.</p> <p>Learners to discuss the features of hard drives/Optical Disc storage media.</p>	Set of computer, Video /pictures, wall chart	Computing Curriculum Pg. 3	Learning how to identify and use storage devices



<p>Let learners explore the maximum capacities of these storage devices.</p> <ol style="list-style-type: none"> <li>1. a floppy disk is able to store 360KB and 1.44MB of data</li> <li>2. a compact disc (CD) is able to store 700MB to 750MB of data.</li> </ol> <p>Explore the different write speeds of these storage devices.</p> <ol style="list-style-type: none"> <li>1. SD cards will read and write at speeds of 12.5MB/s</li> <li>2. a typical 7200 RPM HDD will deliver a read/write speed of 80-160MB/s</li> <li>3. the write speed of 2.0 USB can be as slow as 4MB per second and as fast as 8MB/s.</li> </ol> <p>Explore the differences in the various Hard Disk Drives (HDD).</p> <p><b>Reflection (10 mins)</b> 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>			
<b>Homework/Project Work/Community Engagement Suggestions</b>			
<ul style="list-style-type: none"> <li>• What is a storage device?</li> <li>• Identify the primary storage devices of a computer.</li> <li>• Identify any four secondary storage devices of the computer</li> </ul>			
<b>Cross-Curriculum Links/Cross-Cutting Issues</b>			
<b>Potential Misconceptions/Student Learning Difficulties</b>			
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