

# TERM THREE

## WEEKLY LESSON NOTES – B7

### WEEK 7

<b>Week Ending:</b> 28 <sup>th</sup> OCT, 2022	<b>DAY:</b>	<b>Subject:</b> Computing
<b>Duration:</b> 60mins		<b>Strand:</b> Communication Networks
<b>Class:</b> B7	<b>Class Size:</b>	<b>Sub Strand:</b> Algorithm
<b>Content Standard:</b> B7.4.2.1. Analyse the correct step-by-step procedure in solving any real-world problem	<b>Indicator:</b> B7.4.2.1.2 Perform a linear search.	<b>Lesson:</b> 1 of 2
<b>Performance Indicator:</b> Learners can demonstrate the use of constants and variables used in programming		<b>Core Competencies:</b> CC8.2: CP6.1
<b>Reference:</b> Computing Curriculum P.g. 21		
<b>Keywords:</b> Algorithm, source code, compiler, data type, variable, constant, conditional, array, loop, function, class		
<b>Activities For Learning &amp; Assessment</b>		
<b>Starter (5 mins)</b>  Revise with learners to review their understanding in the previous lesson.  Share performance indicators and introduce the lesson.  <b>Main (35 mins)</b>  Guide learners to understand that linear search, also known as sequential search, is a process that checks every element in the list sequentially until the desired element is found.  Demonstrate ability to locate a given value position out of a listed set of values. A suggested example is the use of the match function in MS Excel.  Guide learners to list their ages, and use the list to demonstrate how they can arrange the given data in increasing and decreasing order  <b>Reflection (10 mins)</b> 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.	<b>Resources</b>  Pictures and videos	
		<b>Progression</b>  Learners will be able to; 1. Locate a given value position out of a listed set of values.  2. Arrange a given set of values or data in increasing and decreasing order.
<b>Homework/Project Work/Community Engagement Suggestions</b>		
<ul style="list-style-type: none"> <li>Task learners to list the ages of five (5) family members and arrange the ages in increasing and decreasing order</li> </ul>		
<b>Cross-Curriculum Links/Cross-Cutting Issues</b>		
None		
<b>Potential Misconceptions/Student Learning Difficulties</b>		
Learners may not easily understand the concepts and terminologies under programming		

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