

# THIRD TERM

## WEEKLY LESSON NOTES – B8

### WEEK 5

<b>Week Ending:</b> 28-07-2023	<b>DAY:</b>	<b>Subject:</b> Computing
<b>Duration:</b> 60mins	<b>Strand:</b> Communication Networks	
<b>Class:</b> B8	<b>Class Size:</b>	<b>Sub Strand:</b> Web Technologies
<b>Content Standard:</b> B8.3.4.1. Demonstrate the use of a web browser (Search engine)	<b>Indicator:</b> B8.3.4.1.1 Demonstrate how to effectively search from a web browser.	<b>Lesson:</b> 1 of 2
<b>Performance Indicator:</b> Learners can demonstrate how to effectively search from a web browser		<b>Core Competencies:</b> CC8.2: CP6.1
<b>Reference:</b> Computing Curriculum Pg. 36		
<b>Activities For Learning &amp; Assessment</b>		
<b>Resources</b>		
<b>Progression</b>		
<p><b>Starter (5mins)</b></p> <p>Revise with learners to review their understanding in the previous lesson.</p> <p>Share performance indicators and introduce the lesson.</p> <p><b>Main (35mins)</b></p> <p>Explain the concept of search techniques and their significance in obtaining precise search results.</p> <p>Discuss the following effective search techniques:</p> <ol style="list-style-type: none"> <li>1. <i>Keyword Search: This is the most basic and widely used search technique. It involves entering relevant keywords or phrases into a search engine to find web pages or documents containing those keywords. Keyword search allows users to quickly locate information on specific topics, but it may generate a large number of irrelevant results.</i></li> <li>2. <i>Boolean Operators: Boolean operators (AND, OR, NOT) are used to refine search queries and specify the relationships between keywords. By combining keywords with these operators, users can create more complex search queries and narrow down or broaden their search results. Boolean operators enable users to specify precise search criteria and retrieve more relevant information.</i></li> <li>3. <i>Phrase Search: By enclosing search terms within quotation marks, users can perform a phrase search. This technique ensures that the search results contain the exact phrase as entered, rather than individual words scattered across the text. It is particularly useful when searching for specific quotes, titles, or unique phrases.</i></li> <li>4. <i>Advanced Search Filters: Many search engines offer advanced search options and filters to refine search results further. These filters allow users to specify criteria such as file type, date range, language, location, and more. By utilizing these filters, users can narrow down their search results to obtain more precise and targeted information.</i></li> </ol>		
Pictures and videos		
Demonstrating how to effectively search from a web browser		

5. *Truncation and Wildcard Characters:* Truncation involves using a symbol (usually an asterisk "\*") to search for variations of a word. For example, entering "run\*" will retrieve results containing "run," "running," "runner," etc. Wildcard characters are similar but represent a single character within a word. These techniques are helpful when searching for terms with multiple forms or when unsure about the exact spelling.

6. *Search Operators:* Many search engines support specific operators that allow users to refine their search results further. For instance, the site operator limits the search to a specific website or domain, while the filetype operator restricts the results to a particular file type (e.g., PDF, DOCX). These operators enable users to target their search within specific contexts or types of content.

7. *Filtering and Sorting:* Once search results are obtained, filtering and sorting options help users organize and prioritize the information. Common filtering options include relevance, date, popularity, and source credibility. These features allow users to quickly identify the most relevant and up-to-date information based on their specific needs.

Provide examples and demonstrations of each technique to help students understand their practical application.

Divide the students into pairs or small groups.  
Distribute worksheets with different search scenarios or topics.

Ask each group to choose a scenario and brainstorm search queries using one or more of the effective search techniques discussed.

Allow the groups to access computers with internet access and demonstrate their search techniques to find relevant information.

Encourage the use of different search engines to compare results and emphasize the importance of critically evaluating the information found.

Bring the students back together as a whole class.  
Ask each group to share their search scenario, search queries, and the results they obtained.

Facilitate a discussion on the effectiveness of the search techniques used and how they influenced the quality and relevance of the search results.

Encourage students to share their experiences, challenges, and successes while applying the different search techniques.

Summarize the key takeaways from the discussion, highlighting the importance of selecting appropriate search techniques based on the search goals.

#### Assessment

1. What are some effective search techniques discussed in the lesson for improving web searches?
2. How can using search phrases with exact spelling or enclosing them in quotation marks help refine search results?
3. What are Boolean operators and how can they be used to refine search queries?

<p><b>Reflection (10mins)</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><b>Homework/Project Work/Community Engagement Suggestions</b></p>		
<ul style="list-style-type: none"> <li>• Explain how wildcard characters (*) or truncation marks (\$) can broaden search results.</li> <li>• How can site-specific searches be helpful in narrowing down search results?</li> </ul>		
<p><b>Cross-Curriculum Links/Cross-Cutting Issues</b></p>		
<p>None</p>		
<p><b>Potential Misconceptions/Student Learning Difficulties</b></p>		
<p>None</p>		

<b>Week Ending:</b> 28-07-2023	<b>DAY:</b>	<b>Subject:</b> Computing	
<b>Duration:</b> 60mins		<b>Strand:</b> Communication Networks	
<b>Class:</b> B8	<b>Class Size:</b>	<b>Sub Strand:</b> Web Technologies	
<b>Content Standard:</b> B8.3.4.1. Demonstrate the use of a web browser (Search engine)	<b>Indicator:</b> B8.3.4.1.1 Demonstrate how to effectively search from a web browser.	<b>Lesson:</b> 2 of 2	
<b>Performance Indicator:</b> Learners can demonstrate how to effectively search from a web browser		<b>Core Competencies:</b> CC8.2: CP6.1	
<b>Reference:</b> Computing Curriculum Pg. 36			
<b>Activities For Learning &amp; Assessment</b>		<b>Resources</b>	<b>Progression</b>
<p><b>Starter (5mins)</b></p> <p>Revise with learners to review their understanding in the previous lesson.</p> <p>Share performance indicators and introduce the lesson.</p> <p><b>Main (35mins)</b></p> <p>Divide the students into pairs or small groups. Distribute worksheets with different search scenarios or topics.</p> <p>Ask each group to choose a scenario and brainstorm search queries using one or more of the effective search techniques discussed.</p> <p>Allow the groups to access computers with internet access and demonstrate their search techniques to find relevant information.</p> <p>Encourage the use of different search engines to compare results and emphasize the importance of critically evaluating the information found.</p> <p>Bring the students back together as a whole class. Ask each group to share their search scenario, search queries, and the results they obtained.</p> <p>Facilitate a discussion on the effectiveness of the search techniques used and how they influenced the quality and relevance of the search results.</p> <p>Encourage students to share their experiences, challenges, and successes while applying the different search techniques.</p> <p>Summarize the key takeaways from the discussion, highlighting the importance of selecting appropriate search techniques based on the search goals.</p> <p><b>Assessment</b></p> <p>1. What are some examples of advanced search options or filters available on search engines?</p>		Pictures and videos	Demonstrating how to effectively search from a web browser

<p>2. Describe a scenario where you would use the AND operator in a search query.</p> <p>3. How can critically evaluating the information found during web searches contribute to effective research?</p> <p><b>Reflection (10mins)</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><b>Homework/Project Work/Community Engagement Suggestions</b></p>		
<ul style="list-style-type: none"> <li>• Why is it important to choose appropriate search techniques based on your search goals?</li> <li>• Can you share an example of a search scenario where you used one or more of the effective search techniques discussed in the lesson?</li> </ul>		
<p><b>Cross-Curriculum Links/Cross-Cutting Issues</b></p>		
<p>None</p>		
<p><b>Potential Misconceptions/Student Learning Difficulties</b></p>		
<p>None</p>		