### Introduction to Boolean Operators: “OR” & “AND”

<table>
<thead>
<tr>
<th>The “OR” Boolean Operator</th>
<th>The “AND” Boolean Operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Generates a <strong>broad search</strong></td>
<td>- Generates a <strong>narrow search</strong></td>
</tr>
<tr>
<td>- Will retrieve results where articles that mention:</td>
<td>- Will retrieve results where articles that only mention <strong>both</strong> the 1&lt;sup&gt;st&lt;/sup&gt; and 2&lt;sup&gt;nd&lt;/sup&gt; search terms</td>
</tr>
<tr>
<td>- Just the 1&lt;sup&gt;st&lt;/sup&gt; search term entered and not the 2&lt;sup&gt;nd&lt;/sup&gt; search term</td>
<td>- Therefore, articles that mention the 1&lt;sup&gt;st&lt;/sup&gt; search term and not the 2&lt;sup&gt;nd&lt;/sup&gt; search term (and vice-versa) will not show up</td>
</tr>
<tr>
<td>- Just the 2&lt;sup&gt;nd&lt;/sup&gt; search term entered and not the 1&lt;sup&gt;st&lt;/sup&gt; search term</td>
<td></td>
</tr>
<tr>
<td>- Both the 1&lt;sup&gt;st&lt;/sup&gt; and 2&lt;sup&gt;nd&lt;/sup&gt; search terms entered</td>
<td></td>
</tr>
</tbody>
</table>

#### Example: Title Search

**Search Term 1:** *Honey Bee*  
**Search Term 2:** *Insect*  

**Example of Results:**  
- Title: *Honey Bee Migration Patterns*  
- Title: *What is an Insect*  
- Title: *The Honey Bee in the Insect World*  

**When to Use:**  
- Best used in an initial search  
- Once the preliminary search results are produced, students can determine if the search is too broad and it needs to be narrowed

#### Example: Title Search

**Search Term 1:** *Honey Bee*  
**Search Term 2:** *Insect*  

**Example of Results:**  
- Title: *The Honey Bee in the Insect World*  

**When to Use:**  
- Best used after an initial broad search - once students have a preliminary view of the types of materials available.  
- Alternatively, can be used initially if students know exactly what they are searching for and are absolutely certain about the search term combination that they are using.

**Source:** Ohio University Library