
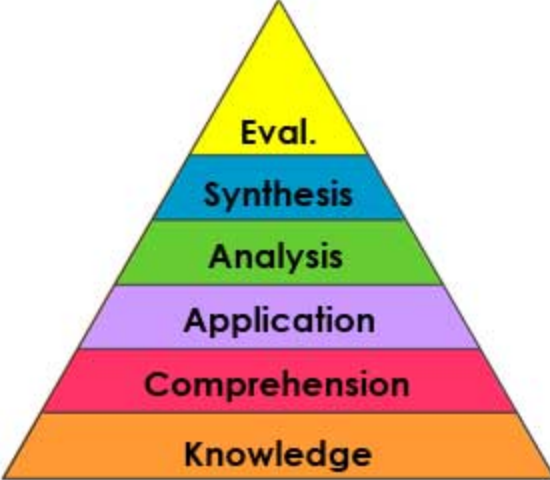


## Bloom's Taxonomy

 <p style="text-align: center;"><b>New Version</b></p>	<p>In 1956, Benjamin Bloom headed a group of educational psychologists who developed a classification of levels of intellectual behavior important in learning. During the 1990's a new group of cognitive psychologists, led by Lorin Anderson (a former student of Bloom), updated the taxonomy to reflect relevance to 21st century work. The two graphics show the revised and original Taxonomy. Note the change from nouns to verbs associated with each level.</p> <p><i>Note that the top two levels are essentially exchanged from the traditional to the new version.</i></p>	 <p style="text-align: center;"><b>Old Version</b></p>
<p><b>Remembering:</b> can the student recall or remember the information?</p>	<p>define, duplicate, list, memorize, recall, repeat, reproduce state</p>	
<p><b>Understanding:</b> can the student explain ideas or concepts?</p>	<p>classify, describe, discuss, explain, identify, locate, recognize, report, select, translate, paraphrase</p>	
<p><b>Applying:</b> can the student use the information in a new way?</p>	<p>choose, demonstrate, dramatize, employ, illustrate, interpret, operate, schedule, sketch, solve, use, write.</p>	
<p><b>Analyzing:</b> can the student distinguish between the different parts?</p>	<p>appraise, compare, contrast, criticize, differentiate, discriminate, distinguish, examine, experiment, question, test.</p>	
<p><b>Evaluating:</b> can the student justify a stand or decision?</p>	<p>appraise, argue, defend, judge, select, support, value, evaluate</p>	
<p><b>Creating:</b> can the student create new product or point of view?</p>	<p>assemble, construct, create, design, develop, formulate, write.</p>	

Some useful sites:

[Kathy Shrock's "Google Tools to Support Bloom's Revised Taxonomy"](#)

[Bloom's Digital Taxonomy by Andrew Churches](#). Explains how to use different tools to enable or enhance the process of teaching students at the various levels of Bloom.

[A Model of Learning Objectives](#). Created by Rex Heer at ISU that presents an interactive 3d representation of the new 4 X 6 Taxonomy. "Rollovers" pop up simple examples of Learning Objectives. The taxonomy is also explained and links provided for even more useful resources

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