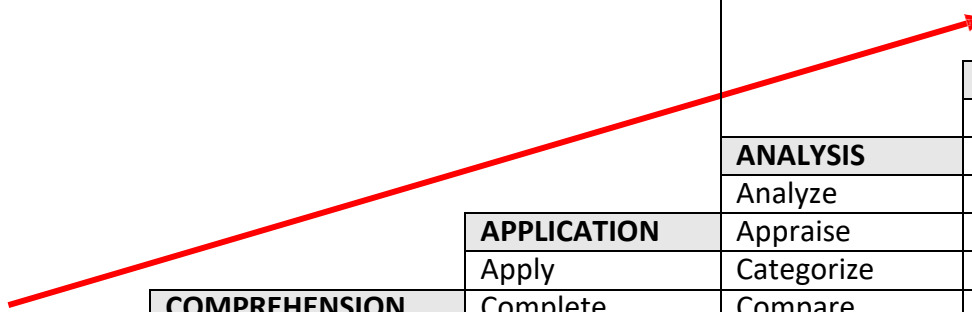


Attachment A – Bloom’s Taxonomy of Measurable Verbs

Benjamin Bloom created a taxonomy of measurable verbs to help us describe and classify observable knowledge, skills, attitudes, behaviors and abilities. The theory is based upon the idea that there are levels of observable actions that indicate something is happening in the brain (cognitive activity.) By creating learning objectives using measurable verbs, you indicate explicitly what the student must do in order to demonstrate learning.

Verbs that demonstrate Critical Thinking



				EVALUATION	
				Appraise	
				SYNTHESIS	Argue
				Arrange	Assess
		ANALYSIS	Assemble	Choose	
		Analyze	Collect	Compare	
		APPLICATION	Appraise	Combine	Conclude
		Apply	Categorize	Comply	Estimate
	COMPREHENSION	Complete	Compare	Compose	Evaluate
	Compare	Construct	Contrast	Construct	Interpret
KNOWLEDGE	Describe	Demonstrate	Debate	Create	Judge
List	Discuss	Dramatize	Diagram	Design	Justify
Name	Explain	Employ	Differentiate	Devise	Measure
Recall	Express	Illustrate	Distinguish	Formulate	Rate
Record	Identify	Interpret	Examine	Manage	Revise
Relate	Recognize	Operate	Experiment	Organize	Score
Repeat	Restate	Practice	Inspect	Plan	Select
State	Tell	Schedule	Inventory	Prepare	Support
Tell	Translate	Sketch	Question	Propose	Value
Underline		Use	Test	Setup	

Bloom's Taxonomy Action Verbs

* Considered lower-level action verbs, consider using higher-level action verb appropriate for academic level, as/if applicable.

Definitions	Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation
Bloom's Definition	Remember previously learned information.	Demonstrate an understanding of the facts.	Apply knowledge to actual situations.	Break down objects or ideas into simpler parts and find evidence to support generalizations.	Compile component ideas into a new whole or propose alternative solutions.	Make and defend judgments based on internal evidence or external criteria.
Verbs	<ul style="list-style-type: none"> • Arrange • Define* • Describe* • Duplicate • Identify* • Label • List • Match • Memorize* • Name* • Order • Outline • Recognize* • Relate • Recall* • Repeat • Reproduce • Select • State* 	<ul style="list-style-type: none"> • Classify • Convert • Defend • Describe* • Discuss* • Distinguish • Estimate • Explain* • Express* • Extend • Generalized • Give • Identify* • Indicate* • Infer • Locate • Paraphrase • Predict • Recognize* • Rewrite • Review • Select • Summarize* • Translate 	<ul style="list-style-type: none"> • Apply • Change • Choose • Compute • Demonstrate • Discover • Dramatize • Employ • Illustrate • Interpret • Manipulate • Modify • Operate • Practice • Predict • Prepare • Produce • Relate • Schedule • Show • Sketch • Solve • Use • Write 	<ul style="list-style-type: none"> • Analyze • Appraise • Breakdown • Calculate • Categorize • Compare • Contrast • Criticize • Diagram • Differentiate • Discriminate • Distinguish • Examine • Experiment • Identify* • Illustrate • Infer • Model • Outline • Point out • Question • Relate • Select • Separate • Subdivide • Test 	<ul style="list-style-type: none"> • Arrange • Assemble • Categorize • Collect • Combine • Comply • Compose • Construct • Create • Design • Develop • Devise • Explain* • Formulate • Generate • Plan • Prepare • Rearrange • Reconstruct • Relate • Reorganize • Revise • Rewrite • Set up • Summarize* • Synthesize • Tell* • Write* 	<ul style="list-style-type: none"> • Appraise • Argue • Assess • Attach • Choose • Compare • Conclude • Contrast • Defend • Describe* • Discriminate • Estimate • Evaluate • Explain* • Judge • Justify • Interpret • Relate • Predict • Rate • Select • Summarize* • Support • Value

Watch Out for Verbs that are not Measurable

In order for an objective to give maximum structure to instruction, it should be free of vague or ambiguous words or phrases. The following lists notoriously ambiguous words or phrases which should be avoided so that the intended outcome is concise and explicit.

WORDS TO AVOID	PHRASES TO AVOID
<ul style="list-style-type: none">• Believe• Hear• Realize• Capacity• Intelligence• Recognize• Comprehend• Know• See• Conceptualize• Listen• Self-Actualize• Memorize• Think• Experience• Perceive• Understand• Feel	<ul style="list-style-type: none">• Appreciation for• Acquainted with• Adjusted to• Awareness of• Capable of• Comprehension of• Cognizant of• Enjoyment of• Conscious of• Familiar with Interest in• Interested in• Knowledge of• Knowledgeable about• Understanding of