

Measurable Verbs to Express Bloom's Taxonomy

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 outcomes using measurable verbs, you indicate explicitly what the student must do in order to demonstrate learning.

- **Knowing:** Retrieving, recording, and recalling relevant knowledge from long-term memory.
- **Understanding:** Constructing meaning from oral, written, and graphic messages through interpreting, exemplifying, summarizing, inferring, and explaining.
- **Applying:** Carrying out or using a procedure; using previous knowledge to navigate an unfamiliar situation.
- **Analyzing:** Breaking material into constituent parts; determining how the parts relate to one another and to an overall structure or purpose through differentiating, organizing, and attributing.
- **Evaluating:** Making judgments based on criteria and standards by measuring, diagnosing, and prioritizing.
- **Creating:** Putting disparate elements together to form a coherent or functional whole; reorganizing elements into a new pattern or structure through generating, planning, or producing.

Note: The taxonomy was revised in 2001 by Lorin Anderson (a student of Bloom's) by reversing the top two tiers and moving from nouns (e.g., "knowledge") to verbs (e.g., "knowing"). The list above reflects that revision.

Know	Understand	Apply	Analyze	Evaluate	Create
Define	Articulate*	Act	Analyze	Appraise	Adapt
Identify	Characterize	Administer	Arrange*	Argue	Anticipate
Inventory*	Cite examples	Apply	Break down	Assess	Arrange*
List	Describe	Articulate*	Calculate	Choose	Assemble
Locate*	Diagram*	Choose	Categorize	Compare	Collect
Name	Discuss	Compute	Compare	Conclude	Combine
Recall	Explain	Control	Contrast	Critique	Compose
Record	Express	Demonstrate	Correlate	Determine	Construct
Repeat	Interpret	Dramatize	Debate	Diagnose*	Create
Restate*	Outline*	Employ	Deduce	Estimate	Design
State	Paraphrase	Generalize	Detect	Evaluate	Devise
Underline	Report	Illustrate	Determine	Judge	Develop
	Respond	Imitate	Diagnose*	Justify	Diagram*
	Restate*	Implement	Differentiate	Measure	Formulate
	Review	Instruct	Distinguish	Prioritize	Generate
	Translate	Interview	Discriminate	Rate	Initiate
		Operate	Examine	Revise	Integrate
		Perform*	Inspect	Score	Invent
		Practice	Inventory*	Select	Model
		Select	Locate*	Support	Modify
		Simulate	Outline*	Validate	Negotiate
		Use	Question	Value	Plan
		Utilize	Relate	Test	Perform*
			Separate		Predict
			Subdivide		Prepare
					Produce
					Propose
					Reconstruct
					Substitute
					Synthesize

* These verbs can be used in more than one level on the taxonomy, depending upon context.

Watch for Verbs that are not Measurable

Appreciate

Believe

Hear/Listen

Realize

Recognize

Comprehend

Know

See

Memorize

Think

Experience

Perceive

Understand

Feel

Above adapted from: <http://www.teachervision.com>

REVISED Bloom's Taxonomy Action Verbs

I. Remembering	II. Understanding	III. Applying	IV. Analyzing	V. Evaluating	VI. Creating
Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, interpreting, giving descriptions, and stating main ideas.	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.	Compile information together in a different way by combining elements in a new pattern or proposing new solutions.
define describe duplicate enumerate examine identify label list locate match memorize name observe omit quote read recall recite recognize record repeat reproduce retell select state tabulate tell visualize	ask associate cite classify compare contrast convert describe differentiate discover discuss distinguish estimate explain express extend generalize give examples group identify illustrate indicate infer interpret judge observe order paraphrase predict relate report represent research restate review rewrite select show summarize trace transform translate	act administer apply articulate calculate change chart choose collect complete compute construct determine develop discover dramatize employ establish examine experiment explain illustrate interpret judge manipulate modify operate practice predict prepare produce record relate report schedule simulate sketch solve teach transfer write	advertise analyze appraise calculate categorize classify compare conclude connect contrast correlate criticize deduce devise diagram differentiate discriminate dissect distinguish divide estimate evaluate experiment explain focus illustrate infer order organize plan prioritize select separate subdivide survey test	appraise argue assess choose compare conclude consider convince criticize critique debate decide defend discriminate distinguish editorialize estimate evaluate find errors grade judge justify measure order persuade predict rank rate recommend reframe score select summarize support test weigh	adapt anticipate assemble collaborate combine compile compose construct create design develop devise express facilitate formulate generalize hypothesize infer integrate intervene invent justify manage modify negotiate originate plan prepare produce propose rearrange reorganize report revise rewrite role-play simulate solve speculate structure test validate write