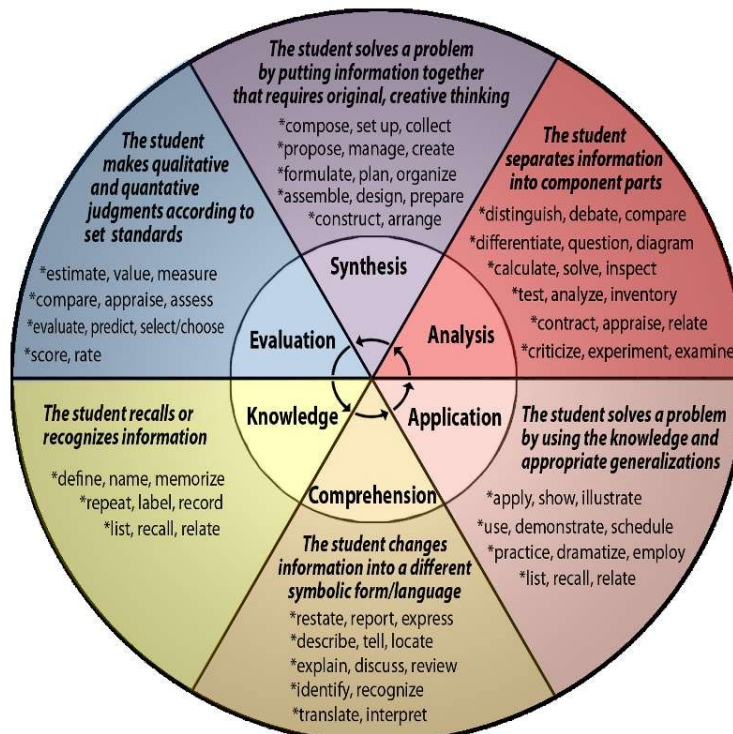


Bloom's Taxonomy of Measurable Verbs

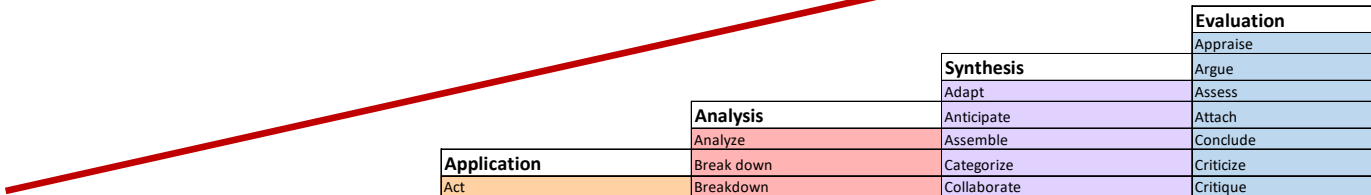
Benjamin Bloom created a taxonomy of measurable verbs to help educators describe and classify observable knowledge, skills, attitudes, behaviors and abilities. The theory is based upon the idea that there are levels of observable actions that indicate something is happening in the brain (cognitive activity).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

Use verbs aligned to Bloom's Taxonomy to create robust assessment plans and assessment measures that ensure your students' thinking progresses to higher levels.

	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.



Bloom's Taxonomy of Measurable Verbs



Knowledge		Comprehension		Application		Analysis		Synthesis		Evaluation
Arrange	Convert	Administer	Act	Break down	Characterize	Anticipate	Appraise	Adapt	Argue	Assess
Count	Describe	Articulate	Apply	Breakdown	Classify	Assemble	Attach	Assemble	Attach	Assess
Define	Discuss	Change	Articulate	Calculate	Classify	Categorize	Conclude	Categorize	Conclude	Criticize
Duplicate	Express	Chart	Articulate	Calculate	Classify	Collaborate	Criticize	Collaborate	Criticize	Critique
Enumerate	Generalize	Choose	Apply	Calculate	Classify	Combine	Decide	Combine	Decide	Defend
Find	Give example(s)	Collect	Apply	Calculate	Classify	Communicate	Defend	Communicate	Defend	Discriminate
Label	Identify	Complete	Apply	Calculate	Classify	Compile	Discriminate	Compile	Discriminate	Estimate
List	Identify	Compute	Apply	Calculate	Classify	Comply	Estimate	Comply	Estimate	Evaluate
Match	Interpret Cite	Contribute	Apply	Calculate	Classify	Compose	Evaluate	Compose	Evaluate	Interpret
Memorize	Locate	Control	Apply	Calculate	Classify	Construct	Interpret	Construct	Interpret	Judge
Name	Make sense of	Demonstrate	Apply	Calculate	Classify	Contrast	Judge	Contrast	Judge	Justify
Order	Paraphrase	Determine	Apply	Calculate	Classify	Create	Justify	Create	Justify	Measure
Quote	Report	Discover	Apply	Calculate	Classify	Design	Measure	Design	Measure	Predict
Read	Restate	Dramatize	Apply	Calculate	Classify	Develop	Predict	Develop	Predict	Prioritize
Recall	Review	Draw	Apply	Calculate	Classify	Devise	Prioritize	Devise	Prioritize	Prove
Recite	Summarize	Determine	Apply	Calculate	Classify	Explain	Prove	Explain	Prove	Rank
Recognize	Tell	Infer	Apply	Calculate	Classify	Facilitate	Rank	Facilitate	Rank	Rate
Record	Trace	Inspect	Apply	Calculate	Classify	Formulate	Rate	Formulate	Rate	Reframe
Repeat	Translate	Invent	Apply	Calculate	Classify	Generate	Reframe	Generate	Reframe	Revise
Reproduce	Understand	Incorporate	Apply	Calculate	Classify	Incorporate	Revise	Incorporate	Revise	Score
Select		Individualize	Apply	Calculate	Classify	Individualize	Score	Individualize	Score	Support
Sequence		Initiate	Apply	Calculate	Classify	Initiate	Support	Initiate	Support	Value
State		Integrate	Apply	Calculate	Classify	Integrate	Value	Integrate	Value	
Underline		Intervene	Apply	Calculate	Classify	Intervene		Intervene		
View		Invent	Apply	Calculate	Classify	Invent		Invent		
		Make up	Apply	Calculate	Classify	Make up		Make up		
		Manage	Apply	Calculate	Classify	Manage		Manage		
		Model	Apply	Calculate	Classify	Model		Model		
		Modify	Apply	Calculate	Classify	Modify		Modify		
		Negotiate	Apply	Calculate	Classify	Negotiate		Negotiate		
		Organize	Apply	Calculate	Classify	Organize		Organize		
		Perform	Apply	Calculate	Classify	Perform		Perform		
		Plan	Apply	Calculate	Classify	Plan		Plan		
		Pretend	Apply	Calculate	Classify	Pretend		Pretend		
		Produce	Apply	Calculate	Classify	Produce		Produce		
		Progress	Apply	Calculate	Classify	Progress		Progress		
		Propose	Apply	Calculate	Classify	Propose		Propose		
		Rearrange	Apply	Calculate	Classify	Rearrange		Rearrange		
		Reconstruct	Apply	Calculate	Classify	Reconstruct		Reconstruct		
		Reinforce	Apply	Calculate	Classify	Reinforce		Reinforce		
		Reorganize	Apply	Calculate	Classify	Reorganize		Reorganize		
		Rewrite	Apply	Calculate	Classify	Rewrite		Rewrite		
		Set up	Apply	Calculate	Classify	Set up		Set up		
		Setup	Apply	Calculate	Classify	Setup		Setup		
		Structure	Apply	Calculate	Classify	Structure		Structure		
		Substitute	Apply	Calculate	Classify	Substitute		Substitute		
		Synthesize	Apply	Calculate	Classify	Synthesize		Synthesize		
		Validate	Apply	Calculate	Classify	Validate		Validate		

Watch Out for Verbs that are not Measurable

In order for an objective/outcome 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

- *Believe*
- *Hear*
- *Realize*
- *Capacity*
- *Intelligence*
- *Recognize*
- *Comprehend*
- *Know*
- *See*
- *Conceptualize*
- *Listen*
- *Self-Actualize*
- *Memorize*
- *Think*
- *Experience*
- *Perceive*
- *Understand*
- *Feel*

PHRASES TO AVOID

- *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*

Bloom's Taxonomy in Practice

Knowledge	
Useful Verbs	Sample Question Stems
Tell	What happened after...?
List	How many...?
Describe	Who was it that...?
Relate	Can you name the...?
Locate	Describe what happened at...? Who spoke to...?
Write	Can you tell why...?
Find	Find the meaning of...?
State	What is...?
Name	Which is true or false...?

Comprehension	
Useful Verbs	Sample Question Stems
Explain	Can you write in your own words...?
Interpret	Can you write a brief outline...?
Outline	What do you think could have happened next...?
Discuss	What do you think...?
Distinguish	Can you distinguish between...?
Predict	What differences exist between...?
Restate	Can you provide an example of what you mean...?
Translate	Can you provide a definition for...?

Application	
Useful Verbs	Sample Question Stems
Solve	Do you know another instance where...?
Show	Could this have happened in...?
Use	Can you group by characteristics such as...?
Illustrate	What factors would you change if...?
Construct	Can you apply the method used to some experience of your own...?
Complete	What questions would you ask of...?
Examine	From the information given, can you develop a set of instructions about?
Classify	Would this information be useful if you had a ...?

Analysis	
Useful Verbs	Sample Question Stems
Analyze	Which events could have happened...?
Distinguish	How was this similar to...?
Examine	What was the underlying problem with...?
Compare	What do you see as other possible outcomes?
Contrast	Why did ... changes occur?
Investigate	Can you compare your ... with that presented in...?
Categorize	Can you explain what must have happened when...?
Identify	What are some of the problems of...?
Explain	Can you distinguish between...?
Separate	What was the problem with...?

Synthesis	
Useful Verbs	Sample Question Stems
Create	Can you design a ... to ...?
Invent	Can you see a possible solution to...?
Compose	If you had access to all resources how would you deal with...?
Predict	What would happen if...?
Plan	How many ways can you...?
Construct	Can you create new and unusual uses for...?
Design	Can you develop a proposal which would...?
Propose	How could you advocate for...?
Devise	How might one develop?
Formulate	How could you strategically develop...?

Evaluation	
Useful Verbs	Sample Question Stems
Judge	Is there a better solution to... ?
Select	Judge the value of... ?
Choose	Can you defend your position about...?
Decide	Do you think ... is a good or a bad thing?
Justify	How would you have handled...?
Debate	What changes to ... would you recommend?
Verify	Do you believe....?
Argue	How effective are...?
Recommend	What do you think about...?
Assess	What is currently being exhibited?
Discuss	What is your stance on...?
Rate	How would you measure...?
Prioritize	What is the most pressing issue on...?
Determine	What could the next steps be...?