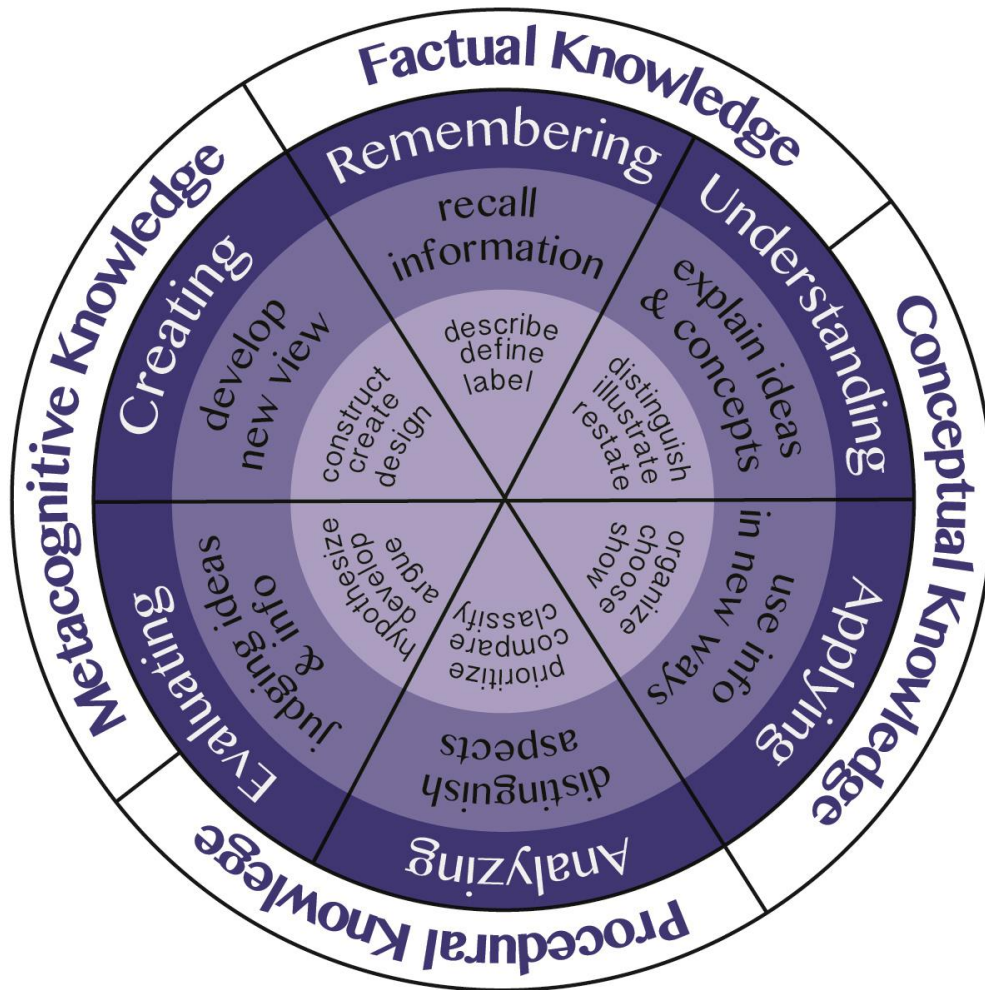


BLOOM'S TAXONOMY

1. B.BLOOM
2. BLOOM'S TAXONOMY
3. Lesson objectives, Lesson planning



Level	Definition	Sample verbs	Sample behaviors
KNOWLEDGE	Student recalls or recognizes information, ideas, and principles in the approximate form in which they were learned.	arrange define describe duplicate identify label list match memorize name order outline recognize relate recall repeat	reproduce select state The student will define the 6 levels of Bloom's taxonomy of the cognitive domain.
COMPREHENSION	Student translates, comprehends, or interprets information based on prior learning.	explain summarize paraphrase describe illustrate classify convert defend describe discuss distinguish estimate explain express extend generalized give example(s) identify indicate Recognize	rewrite review select summarize translate The student will explain the purpose of Bloom's taxonomy of the cognitive domain.
APPLICATION	Student selects, transfers, and uses data and principles to complete a problem or task with a minimum of direction.	use compute solve demonstrate apply construct apply change choose compute demonstrate discover dramatize employ illustrate interpret manipulate modify operate practice predict prepare produce relate schedule	show sketch solve use write The student will write an instructional objective for each level of Bloom's taxonomy.
ANALYSIS	Student distinguishes, classifies, and relates the assumptions, hypotheses, evidence, or structure of a statement or question	analyze categorize compare contrast separate apply change discover choose compute demonstrate dramatize employ illustrate interpret manipulate modify operate practice predict prepare produce relate schedule	show sketch solve use write The student will compare and contrast the cognitive and affective domains.
SYNTHESIS	Student originates, integrates, and combines ideas into a product, plan or proposal that is new to him or her.	create design hypothesize invent develop 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 The student will design a classification scheme for writing educational objectives that combines the cognitive, affective, and psychomotor domains.
EVALUATION	Student appraises, assesses, or critiques on a basis of specific standards and criteria.	Judge Recommend Critique Justify Appraise Argue Assess Attach Choose Compare Conclude Contrast Defend Describe Discriminate Estimate Evaluate Explain Judge Justify Interpret Relate Predict Rate Select Summarize Support Value	The student will judge the effectiveness of writing objectives using Bloom's taxonomy.

Reference: <http://chiron.valdosta.edu/whuitt/col/cogsys/bloom.html>

Bloom's verb charts. Just keep in mind that it is the skill, action or activity you will teach *using that verb* that determines the Bloom's Taxonomy level.

Bloom's Level	Key Verbs (keywords)	Example Learning Outcome
Create	design, formulate, build, invent, create, compose, generate, derive, modify, develop.	<i>By the end of this lesson, the student will be able to design an original homework problem dealing with the principle of conservation of energy.</i>
Evaluate	choose, support, relate, determine, defend, judge, grade, compare, contrast, argue, justify, support, convince, select, evaluate.	By the end of this lesson, the student will be able to determine whether using conservation of energy or conservation of momentum would be more appropriate for solving a dynamics problem.
Analyze	classify, break down, categorize, analyze, diagram, illustrate, criticize, simplify, associate.	<i>By the end of this lesson, the student will be able to differentiate between potential and kinetic energy.</i>

Apply	calculate, predict, apply, solve, illustrate, use, demonstrate, determine, model, perform, present.	<i>By the end of this lesson, the student will be able to calculate the kinetic energy of a projectile.</i>
Understand	describe, explain, paraphrase, restate, give original examples of, summarize, contrast, interpret, discuss.	<i>By the end of this lesson, the student will be able to describe Newton's three laws of motion to in her/his own words</i>
Remember	list, recite, outline, define, name, match, quote, recall, identify, label, recognize.	<i>By the end of this lesson, the student will be able to recite Newton's three laws of motion.</i>

Bloom's Taxonomy Verbs

Now, let's take a look at these levels and some corresponding verbs.

Bloom's Taxonomy Levels and Corresponding Verb Lists

Level 1: Remember - *To recall facts and ideas*

At this level, students are challenged to recall and remember the basic facts and information of the story or text.

Verb List: *Cite, Define, Describe, Draw, Identify, Label, List, Match, Memorize, Name, Record, Repeat, State, Write*

Level 2: Understand - *To comprehend information and grasp its meaning*

Level 2 gives the student a chance to show a fundamental understanding of the story or text.

Verb List: *Add, Clarify, Compare, Contrast, Explain, Give, Infer, Observe, Predict, Summarize, Translate*

Level 3: Apply - *To use information, theories, concepts and skills to solve problems*

Here, students gain an opportunity to demonstrate their ability to use the information in a new way.

Verb List: *Adapt, Assign, Calculate, Construct, Employ, Express, Illustrate, Modify, Show, Solve, Use*

Level 4: Analyze - *To make connections; recognize patterns and deeper meanings*

At this level, students can deconstruct the story into its component parts to better understand it.

Verb List: *Break down, Characterize, Classify, Contrast, Distinguish, Explore, Identify, Investigate, Order, Prioritize*

Level 5: Evaluate - *To make and justify a judgement*

This level gives students an opportunity to develop an opinion and back it up with reasoning and evidence.

Verb List: *Appraise, Assess, Critique, Defend, Determine, Estimate, Explain, Grade, Justify, Rank, Rate*

Level 6: Create - *To combine elements of learning to create new or original work*

This level affords an opportunity for students to take what they have learned and make something new from it.

Verb List: *Abstract, Assemble, Combine, Compose, Construct, Correspond, Design, Develop, Generate, Integrate, Portray, Produce*