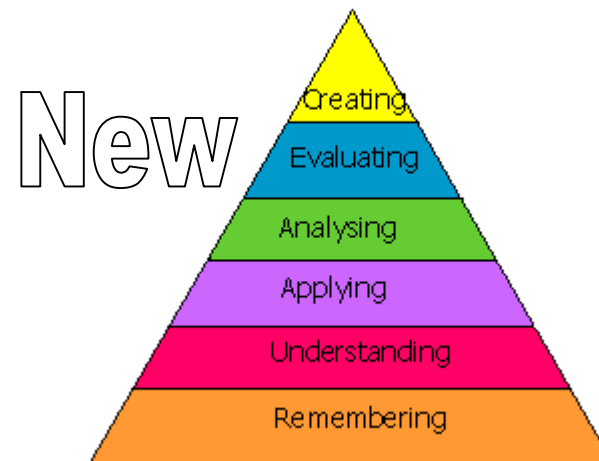
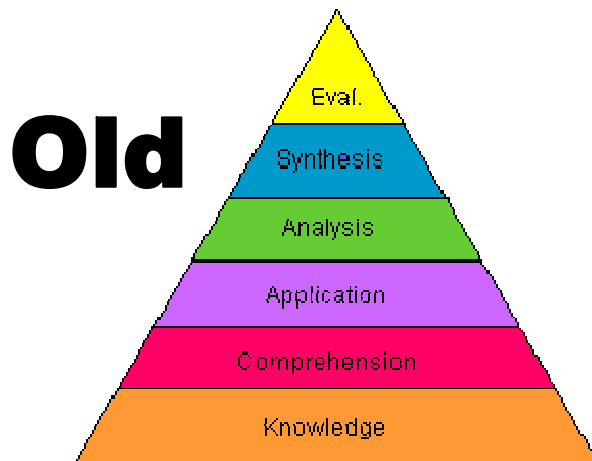


Bloom's Taxonomy Levels of Cognition

	Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation
Objective	Recall data or information	Understand the meaning, translation, interpolation, and interpretation of instructions and problems. State a problem in one's own words	Use a concept in a new situation or unprompted use of an abstraction. Applies what was learned in the classroom into novel situations in the work place	Separates material or concepts into component parts so that its organizational structure may be understood. Distinguishes between facts and inferences	Builds a structure or pattern from diverse elements. Put parts together to form a whole, with emphasis on creating a new meaning or structure	Make judgments about the value of ideas or materials
Key Words	defines, describes, identifies, knows, labels, lists, matches, names, outlines, recalls, recognizes, reproduces, selects, states	comprehends, converts, defends, distinguishes, estimates, explains, extends, generalizes, gives Examples , infers, interprets, paraphrases, predicts, rewrites, summarizes, translates	applies, changes, computes, constructs, demonstrates, discovers, manipulates, modifies, operates, predicts, prepares, produces, relates, shows, solves, uses	analyzes, breaks down, compares, contrasts, diagrams, deconstructs, differentiates, discriminates, distinguishes, identifies, illustrates, infers, outlines, relates, selects, separates	categorizes, combines, compiles, composes, creates, devises, designs, explains, generates, modifies, organizes, plans, rearranges, reconstructs, relates, reorganizes, revises, rewrites, summarizes, tells, writes	appraises, compares, concludes, contrasts, criticizes, critiques, defends, describes, discriminates, evaluates, explains, interprets, justifies, relates, summarizes, supports



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Bloom's Taxonomy: Examples by Subject

Subjects	Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation
Science: Organic Chemistry	use appropriate terminology, identify functional group structures and names	draw 3-dimensional structures from various perspectives	use nomenclature rules to develop systematic names for complex organic structures	select the most appropriate reaction mechanism for a given situation	use a knowledge of many organic reactions to assemble a pathway that converts one molecule into another	assess the significance of recent developments on social or political issues
Math: Geometry	state the formula for the area of a circle	given the mathematical formula for the area of a circle, paraphrase it using your own words	compute the area of actual circles	given a math word problem, determine the strategies that would be necessary to solve it	apply and integrate several different strategies to solve a mathematical problem	when you have finished solving a problem given a sample problem, determine the degree to which that problem was solved as efficiently as possible
English: Poetry	define specific poetic strategies	explain what a poem means	identify examples of metaphors in a poem	given a poem, identify the specific poetic strategies employed in it	given a specific set of criteria, write a poem	analyze a poem in terms of the principles of composition discussed during the unit
Fine Arts: Film	define the film term establishing shot	compare an establishing shot to a close-up	give an example of an establishing shot from a movie	analyze a clip from a movie to determine the effect of an establishing shot	given a film story plot, design the appropriate establishing shots	evaluate the effectiveness of the use of establishing shots
World Languages	define words in target language for specific unit	describe pictures using vocabulary from unit; write telegrams	dub cartoons, TV shows	identify the direct object (or other part of a sentence) in sample sentences written in target language	write dialogue, using vocabulary and rules of grammar from unit; write ending to a given story	Edit text written in target language, correcting errors by applying rules of grammar learned throughout unit
History: World Cultures	using a blank map of the world, correctly label names of countries and bodies of water	using the countries from the map, sequence them in the order that represents the growth of trade	create a chart outlining the contributions of various countries in at least five categories: art, music, literature, science, agronomy	analyze the items listed on your chart; within each country, number each contribution by order of importance	from the chart, compile a list of at least five items that best represent this time period and explain your choices	write an essay stating your opinion about which country made greatest contribution – supported by evidence and examples