

Using Bloom's Taxonomy to Move Our Students toward More Critical and Reflective Thinking

Level of Competence	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Verb Examples that Represent Intellectual Activity	Arrange, define, tell, describe, identify, show, collect, examine, tabulate, duplicate, label, list, memorize, name, quote, order, recognize, relate, recall, repeat, reproduce, state (Who, when, where, etc.)	Classify, discuss, explain, express, indicate, locate, report, restate, review, select, translate, summarize, interpret, contrast, predict, associate, distinguish, estimate, differentiate, extend	Apply, demonstrate, calculate, complete, illustrate, show, solve, examine, modify, relate, change, classify, experiment, discover, choose, dramatize, employ, operate, practice, schedule, sketch, solve, use, write	Analyze, separate, order, connect, arrange, divide, compare, select, explain, infer, appraise, calculate, categorize, contrast, criticize, discriminate, question, test	Assess, decide, rank, grade, test, measure, recommend, convince, select, judge, explain, discriminate, support, conclude, compare, summarize, appraise, argue, attach, choose, compare, defend, estimate, predict, rate, core, select, support, value, evaluate	Compose, construct, create, design, develop, integrate, invent, make, organize, perform, plan, produce, propose, revwrite
Skills Demonstrated	<ul style="list-style-type: none">-Observation and recall of information-Knowledge of dates, events, places-Knowledge of major ideas-Mastery of subject matter	<ul style="list-style-type: none">-Understanding information-Grasp meaning-Translate knowledge into new context-Interpret facts, compare, contrast-Order, group, infer causes-Predict consequences	<ul style="list-style-type: none">-Use information-Use methods, concepts, theories in new situations-Solve problems using required skills or knowledge	<ul style="list-style-type: none">-Seeing patterns-Organization of parts• Recognition of hidden meanings• Identification of components	<ul style="list-style-type: none">-Compare and discriminate between ideas-Assess value of theories, presentations-Make choices based on reasoned argument-Verify value of evidence-Recognize subjectivity	<ul style="list-style-type: none">-Use old ideas to create new ones• Generalize from given facts• Relate knowledge from several areas• Predict, draw, conclusions
Products/Activities	<p>Examples: Most traditional tests-multiple-choice, true/false, fill in the blank, matching, etc.</p> <ul style="list-style-type: none">-Fill in the blank worksheets-Discussions/lectures that focus on recall of information-Create a timeline-List main events-Write definitons-Recall a process or a procedure	<p>Activities that require students to explain or interpret meaning from a given scenario or statement, suggest treatment, reaction or solution to given problem, create examples or metaphors</p> <ul style="list-style-type: none">-Summaries-Venn diagram-Create an outline-Flow chart-Illustration	<p>Activities that put a theory into practical effect, demonstrate, solve a problem, manage an activity</p> <p>Examples:</p> <ul style="list-style-type: none">-Create a map-Construct a model-Design a market strategy	<p>Activities that identify constituent parts and functions of a process or concept, or de-construct a methodology or process, making qualitative assessment of elements, relationships, values and effects; measure requirements or needs</p> <p>Examples:</p> <ul style="list-style-type: none">-Design a questionnaire-Write a PSA to raise awareness about an issue-Conduct an investigation to support a view-Construct a graph to illustrate selected material-Construct/Administer/Analyze results of a survey-Report	<p>Review strategic options or plans in terms of efficiency, return on investment, or cost effectiveness,practicability; assess sustainability; perform a SWOT analysis in relation to alternatives, calculate the effects of a strategy or plan, perform a detailed analysis with recommendations and justifications</p> <p>Examples:</p> <ul style="list-style-type: none">-Reaction paper-Opinion Paper-Journal-Debate-Develop criteria to judge a...-Panel discussion	<p>Develop plans or procedures, design solutions, integrate methods, resources, ideas, parts; create teams or new approaches, write protocols or contingencies</p> <p>Examples:</p> <p>Generate alternate hypotheses</p> <p>Write a journal from another person's view</p> <p>Design a scientific study</p> <p>Create a...</p>



