

LEARNER OBJECTIVES GUIDELINE

Benjamin Bloom created this taxonomy for categorizing level of abstraction of questions that commonly occur in educational settings. The taxonomy provides a useful structure in which to write learning outcomes, structure teaching methodology, and ask questions of learners.

Competence Area to Evaluate	Teaching Methodology and Learner Objective Examples
Knowledge	<p>Teaching Methodology: Observe and recall information; knowledge of dates, events, places; knowledge of major ideas; mastery of subject matter</p> <p>Skill Demonstration: Create opportunities that assess knowledge. Examples include:</p> <ul style="list-style-type: none"> List Define Tell Describe Identify Show <p>Learner Outcome Example: "As a result of this activity the participant will be able to list..."</p>
Comprehension	<p>Teaching Methodology: Understanding information; grasp meaning; translate knowledge into new context; interpret facts, compare, contrast; order, group, infer causes; predict consequences</p> <p>Skill Demonstration: Create opportunities that assess comprehension. Examples include:</p> <ul style="list-style-type: none"> Summarize Describe Interpret Contrast Predict Associate <p>Learner Outcome Example: "As a result of this activity, the participant will be able to summarize..."</p>
Application	<p>Teaching Methodology: Use information; use methods, concepts, theories in new situations; solve problems using required skills or knowledge</p> <p>Skill Demonstration: Create opportunities that assess application. Examples include:</p> <ul style="list-style-type: none"> Apply Demonstrate Calculate Complete Illustrate Show Experiment <p>Learner Outcome Example: "As a result of this activity, the participant will be able to apply..."</p>

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Analysis	<p>Teaching Methodology: See patterns; organize parts; recognize hidden meanings; identify components</p> <p>Skill Demonstration: Create opportunities that assess analysis. Examples include:</p> <ul style="list-style-type: none">AnalyzeOrderExplainConnectClassifyArrange <p>Learner Outcome Example: "As a result of this activity, the participant will be able to analyze..."</p>
Synthesis	<p>Teaching Methodology: Use old ideas to create new ones; generalize from given facts; relate knowledge from several areas; predict; drawn conclusions</p> <p>Skill Demonstration: Create opportunities that assess synthesis. Examples include:</p> <ul style="list-style-type: none">CombineIntegrateModifyRearrangeSubstituteFormulateGeneralize <p>Learner Outcome Example: "As a result of this activity, the participant will be able to combine..."</p>
Evaluation	<p>Teaching Methodology: Compare and discriminate between ideas; assess value of theories; presentations; make choices based on reasoned argument; verify value of evidence; recognize subjectivity</p> <p>Skill Demonstration: Create opportunities that assess evaluation. Examples include:</p> <ul style="list-style-type: none">AssessDecideRankGradeTestMeasureCompare <p>Learner Outcome Example: "As a result of this activity, the participant will be able to assess..."</p>