# Bloom's Taxonomy*

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 Outcome Examples |
|---|---|
| **Knowledge** | Teaching Methodology: Observe and recall information; knowledge of dates, events, places; knowledge of major ideas; mastery of subject matter |
| **Comprehension** | Teaching Methodology: Understanding information; grasp meaning; translate knowledge into new context; interpret facts, compare, contrast; order, group, infer causes; predict consequences<br><br>Skill Demonstration: Create opportunities that assess comprehension. Examples include:<br><br>Summarize, Describe, Interpret, Contrast, Predict, Associate<br><br>**Learner Outcome Example:** "As a result of this activity, the participant will be able to summarize..." |
| **Application** | Teaching Methodology: Use information; use methods, concepts, theories in new situations; solve problems using required skills or knowledge<br><br>Skill Demonstration: Create opportunities that assess application. Examples include:<br><br>Apply, Demonstrate, Calculate, Complete, Illustrate, Show, Experiment<br><br>**Learner Outcome Example:** "As a result of this activity, the participant will be able to apply..." |
| **Analysis** | Teaching Methodology: See patterns; organize parts; recognize hidden meanings; identify components<br><br>Skill Demonstration: Create opportunities that assess analysis. Examples include:<br><br>Analyze, Order, Explain, Connect, Classify, Arrange<br><br>**Learner Outcome Example:** "As a result of this activity, the participant will be able to analyze..." |
| **Synthesis** | Teaching Methodology: Use old ideas to create new ones; generalize from given facts; relate knowledge from several areas; predict; drawn conclusions<br><br>Skill Demonstration: Create opportunities that assess synthesis. Examples include:<br><br>Combine, Integrate, Modify, Rearrange, Substitute, Formulate, Generalize<br><br>**Learner Outcome Example:** "As a result of this activity, the participant will be able to combine.." |
| **Evaluation** | Teaching Methodology: Compare and discriminate between ideas; assess value of theories; presentations; make choices based on reasoned argument; verify value of evidence; recognize subjectivity<br><br>Skill Demonstration: Create opportunities that assess evaluation. Examples include:<br><br>Assess, Decide, Rank, Grade, Test, Measure, Compare<br><br>**Learner Outcome Example:** "As a result of this activity, the participant will be able to assess...' |

*Adapted from: Bloom, B.S. (Ed.) (1956) Taxonomy of educational objectives: The classification of educational goals: Handbook I, cognitive domain. New York; Toronto: Longmans, Green.