

Levels of Learning

Bloom's Taxonomy

Meaningful Learning

CREATING:

Combining the information to form a unique thesis, concept, or product - requiring creativity and originality. Putting elements together to form a coherent or functional whole; reorganizing elements into a new pattern or structure through generating, planning, or producing.

Key Ideas: Design, Hypothesize, Invent, Develop, Compose, Estimate, theorize, elaborate, Test, Improve, Originate

EVALUATING:

Making decisions and supporting views - understanding of values, judging the validity of ideas or quality of work based on a set of criteria, having a profound understanding of the discipline. Making judgments based on criteria and standards through checking and critiquing.

Key Ideas: Judge, Critique, Justify, Recommend, Criticize, Assess, Disapprove, Rate, Resolve

ANALYZING:

Identify components - determining arrangement, logic, and semantics to identify organizational structure. Breaking material into constituent parts, determining how the parts relate to one another and to an overall structure or purpose through differentiating, organizing, and attributing.

Key Ideas: Analyze, Categorize, Separate, Dissect, Deduct, Infer

APPLYING

Using information to solve problems - transferring abstract or theoretical ideas to practical situations, identifying connections and relationships and how to apply. Carrying out or using a procedure through executing or implementing.

Key Ideas: What if, Use, Compute, Solve, Demonstrate, Apply, Construct, Build, Experiment

UNDERSTANDING:

Restating in your own words - paraphrasing, summarizing, translating. Constructing meaning from oral, written, and graphic messages through interpreting, exemplifying, classifying, summarizing, inferring, and explaining.

Key Ideas: Why, How, Explain, Paraphrase, Illustrate, Compare, Contrast, Interpret, Outline, Rephrase

REMEMBERING:

Memorizing information verbatim - retrieving, recognizing, and recalling relevant knowledge from long-term memory.

Key Ideas: What, Remember, List, Label, State, Define, Choose, Find, Select, Match

Adapted from Bloom's Taxonomy of the cognitive Domain (Bloom et al., 1956; Forehand, M. (2005). Bloom's Taxonomy: original and revised. In M. Orey (Ed.). Emerging perspectives on learning, and technology

My Learning Level

Bloom's Taxonomy

Meaningful Learning

Can I create a new problem, idea or concept?
Includes: Assemble, construct, create, design, formulate, write or invent

Can I justify a stand or decision?
Includes: Evaluating information by defending, arguing value, appraise and judge

Can I distinguish between different parts?
Includes: Compare, contrast, examine, question and test

Can I use the information a new way?
Includes: demonstrate, illustrate, sketch, solve and use

Can I explain the idea or concept?
Includes: classify, describe, discuss, and paraphrase

Can I recall and remember the information?
Includes: define, duplicate, list, and reproduce.

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