DMAIN OF LEARNING: Doorways to Improve Knowledge

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Learning Domains

- **Cognitive**: Mental skills (Knowledge)
- **Affective**: Growth in feelings & emotional areas (attitude)
- **Psychomotor**: Manual or physical ability (skills)
Bloom’s Taxonomy

• Bloom’s Taxonomy is a classification of thinking organized by levels of complexity. It gives teachers and students an opportunity to learn and practice a range of thinking and provides a simple structure for many different kinds of questions.
Bloom’s Taxonomy (1956)
REVISED BLOOM’S TAXONOMY

Lorin Anderson revised Bloom’s Taxonomy & provided the measurement tool for thinking. The changes are:

• Terminologies
• Structure
• Emphasis
Visual Comparison of Two Taxonomies

Original:
- Knowledge
- Comprehension
- Application
- Analysis
- Synthesis
- Evaluation

Changed:
- Remembering
- Understanding
- Applying
- Analyzing
- Evaluating
- Creating
Changes in Terms

• Noun to Verb

• Thinking is an active process therefore verbs are more accurate

• Knowledge is a product of thinking and was inappropriate to describe a category of thinking and was replaced with the word remembering
Changes in Terms

• Comprehension became understanding and synthesis was renamed creating in order to better reflect the nature of the thinking described by each category.
Key Words for Remembering

- recognizing
- retrieving
- choosing
- describing
- defining
- identifying
- labeling
- listing
- locating
- finding
- naming
- stating
- selecting
Key Words for Understanding

- comparing
- contrasting
- demonstrating
- interpreting
- explaining
- extending
- illustrating
- giving example
- restating
- inferring
- outlining
- relating
- rephrasing
- translating
- summarizing
- classifying
- paraphrasing
- rewriting
Key words for Applying

- applying
- solving
- using
- constructing
- experimenting
- developing
- carrying
- computing
- implementing
- modifying
- utilizing
Key Words for Analyzing

- analyzing
- comparing
- contrasting
- discovering
- differentiating
- attributing
- detecting

- disserting
- examining
- distinguishing
- determining
- appraising
Key Words for Evaluating

- judging
- evaluating
- appraising
- defending
- criticizing
- assessing

- justifying
- concluding
- comparing
- defending
Key Words for Creating

• designing
• constructing
• planning
• producing

• inventing
• devising
• making
• **Factual Knowledge**
  – refers to the essential facts, terminology, details or elements student must know or be familiar with in order to solve a problem in it.
• Conceptual Knowledge
  – is knowledge of classification, principles, generalizations, theories, models or structure pertinent to a particular disciplinary area.
• **Procedural Knowledge**
  
  – refers to information or knowledge that helps students to do something specific to a discipline subject, area of study. It also refers to methods of inquiry, very specific or finite skills, algorithms, techniques and particulars
• **Meta-cognitive Knowledge**
  
  - is a strategic or reflective knowledge about how to go solving problems, cognitive tasks to include contextual and conditional knowledge and knowledge of self.
THANK YOU!!!