

Bloom's Taxonomy in Instructional Design: Applications Beyond Learning Objectives

Allison Gardner, PhD, CHCP

What works in CME?

Interactive

Relevant

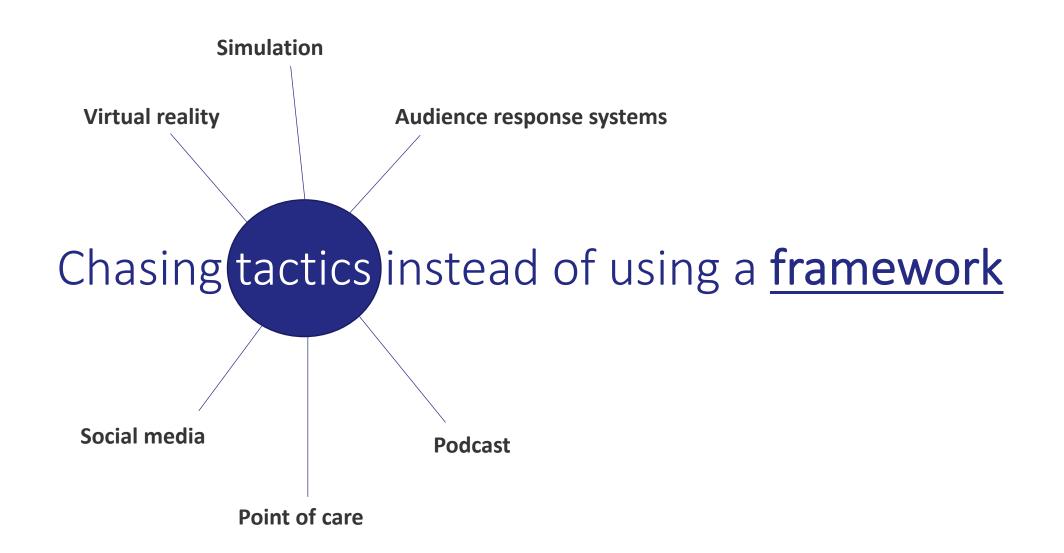
Multi-modal

Longitudinal

Case-based

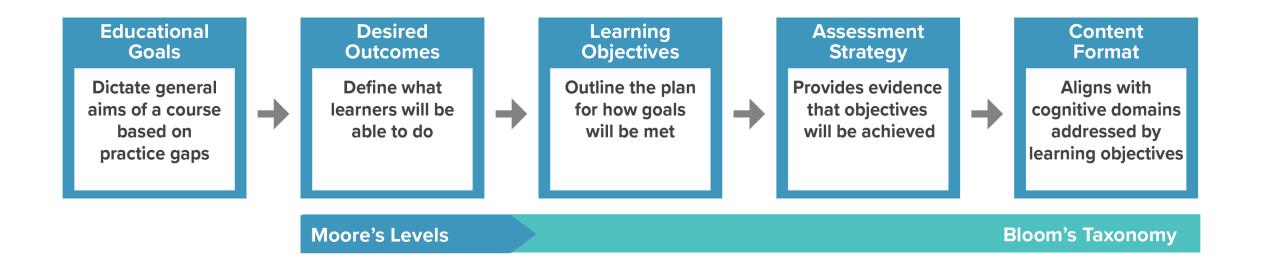
Marinopoulos SS, et al. Evidence Report/Technology Assessment No. 149 (Prepared by the Johns Hopkins Evidence-based Practice Center, under Contract No. 290-02-0018) AHRQ Publication No. 07-E006. Rockville, MD: Agency for Healthcare Research and Quality. January 2007. Effectiveness of Continuing Medical Education: Updated Syntheses of Systematic Reviews, Ronald M. Cervero and Julie K. Gaines, ACCME July 2014







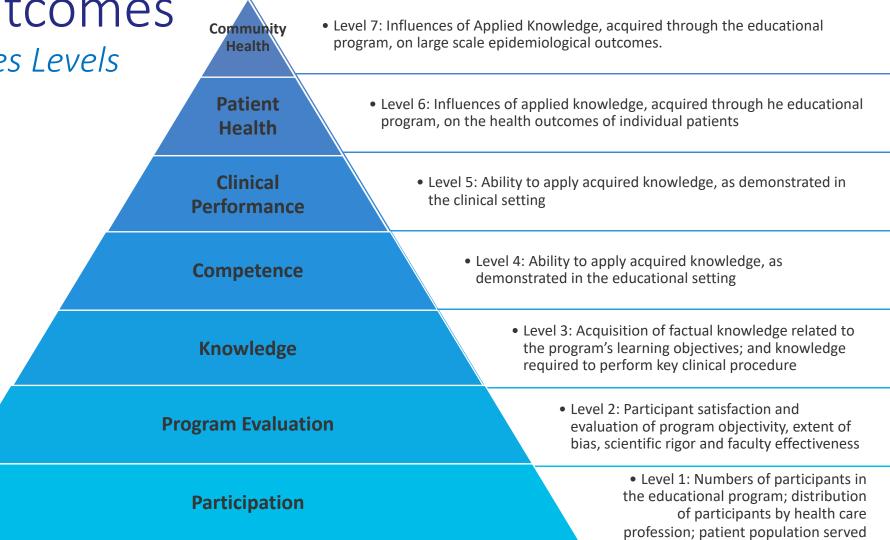
Planning for Education: Go in Reverse Backward Design Approach





Desired Outcomes

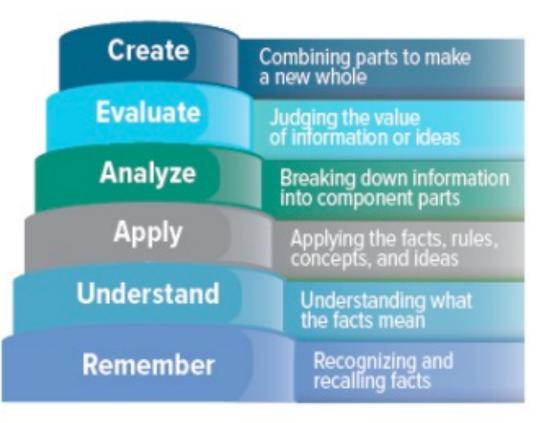
Moore's Outcomes Levels





Moore DE Jr, Green JS, Gallis HA. J Contin Educ Health Prof. 2009;29(1):1-15.

Selecting Action Verbs for Learning Objectives Bloom's Taxonomy



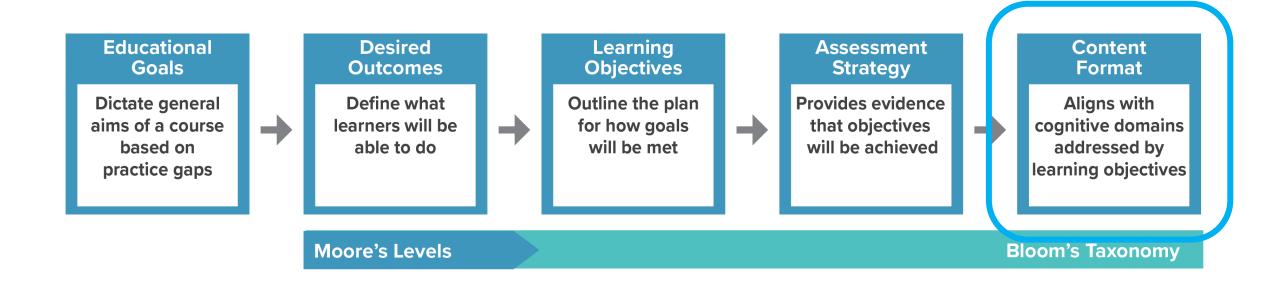


Bloom's Taxonomy for Learning Objectives Mapping Action Verbs to Cognitive Domains

Remember	Understand	Apply	Analyze	Create
DescribeIdentifyOutlineRecognize	 Classify Explain Paraphrase Summarize 	 Apply Customize Incorporate Use	 Differentiate Illustrate Organize Select 	ComposeFacilitateImproveRewrite

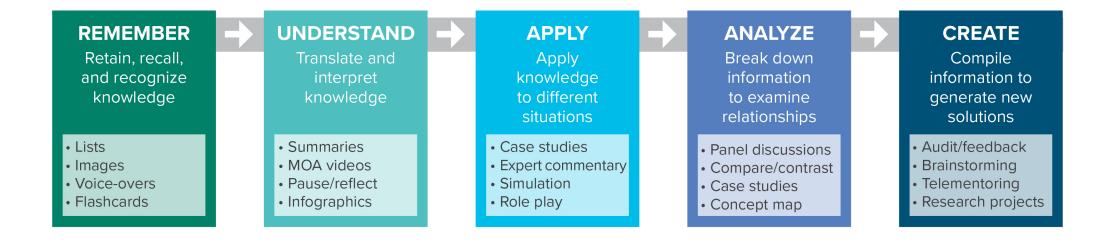


Planning for Education: Go in Reverse Backward Design Approach





Pulling the Thread All the Way Through Bloom's Taxonomy Guides Content Formats



Adapted from University of Waterloo Centre for Teaching Excellence. https://uwaterloo.ca/centre-for-teaching-excellence/resources/teaching-tips/blooms-taxonomy-learning-activities-and-assessments



Intentional Instructional Design Framework Connecting All Course Elements Together

- 1. Educational goals based on contemporary practice gaps are clearly defined at the outset of planning
- Learning objectives are designed to meet the desired outcomes Moore's outcomes levels -> Bloom's cognitive domains
- 3. Assessments and content formats reflect the complexity of the learning objectives' cognitive domains

