

Active Learning with special focus on Technology Enhanced Collaborative Learning



Intro by
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Why?




Why?

- Learning is not just about acquiring new knowledge, but also about shaping a proper attitude, developing new skills, and gaining mind-breaking insights
- When learning is active, it results in higher quality learning outcomes: learners will be able to tackle more complex problems in different real-life contexts
- Students should be motivated to learn, to take their learning process in their own hands and teachers should help them, facilitate the process (from sage on the stage to guide on the side)

What?



Bloom's Digital Taxonomy

Bloom's taxonomy	Bloom's modified taxonomy	Bloom's extended digital taxonomy	Functional Levels	Activities with digital tools		
		Sharing	Publicly sharing, publishing, broadcasting	Contributing to open social networks, publishing, broadcasting, networking	Higher Order Thinking Skills	
Evaluation	Creating	Creating	Designing, constructing, planning, producing, inventing, devising, making	Programming, filming, animating, blogging, video blogging, mixing, re-mixing, wiki-ing, videocasting, podcasting, directing		
Synthesis	Evaluating	Evaluating	Checking, hypothesising, critiquing, experimenting, judging, testing, detecting, monitoring	Blog commenting, reviewing, posting, moderating, collaborating, refactoring, testing		
Analysis	Analyzing	Conceptualizing	Classifying, organizing, deconstructing, attributing, outlining, finding, structuring, integrating	Hacking, mashing, linking, validating, reverse engineering, cracking		
Application	Applying	Applying	Implementing, carrying out, using, executing	Running, loading, playing, operating, uploading, sharing with group, editing		
Comprehension	Understanding	Connecting	Interpreting, summarizing, inferring, paraphrasing, classifying, comparing, explaining, exemplifying	Boolean searches, advanced searches, blog journaling, tweeting, categorizing, tagging, commenting, annotating, subscribing		
Knowledge	Remembering	Doing	Recognizing, listing, describing, identifying, retrieving, naming, locating, finding	Bullet pointing, highlighting, bookmarking, group networking, shared bookmarking, searching		Lower Order Thinking Skills

Can a lecture be active learning?

Can a lecture be active learning?



Is active learning synonym of digital learning?



Instructional design



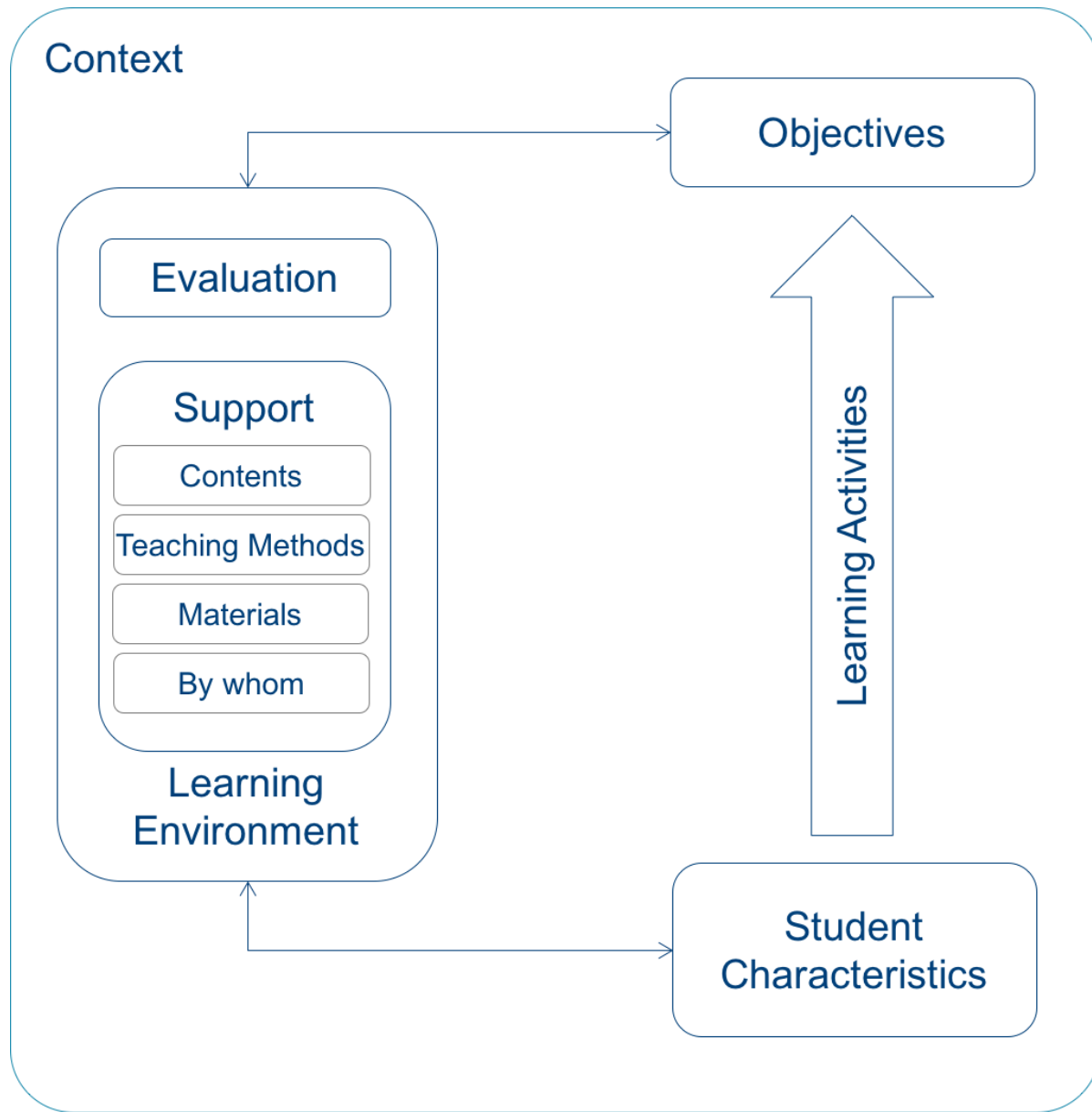
First Principles of Instruction

‘Learning is facilitated when:

1. Learners are engaged in solving real-world problems.
2. Existing knowledge is activated as a foundation for new knowledge.
3. New knowledge is demonstrated to the learner.
4. New knowledge is applied.
5. New knowledge is integrated into the learner’s world

Merrill, D. (2002). First principles of instruction.

Educational Technology Research and Development 50, 3, pp. 43–59

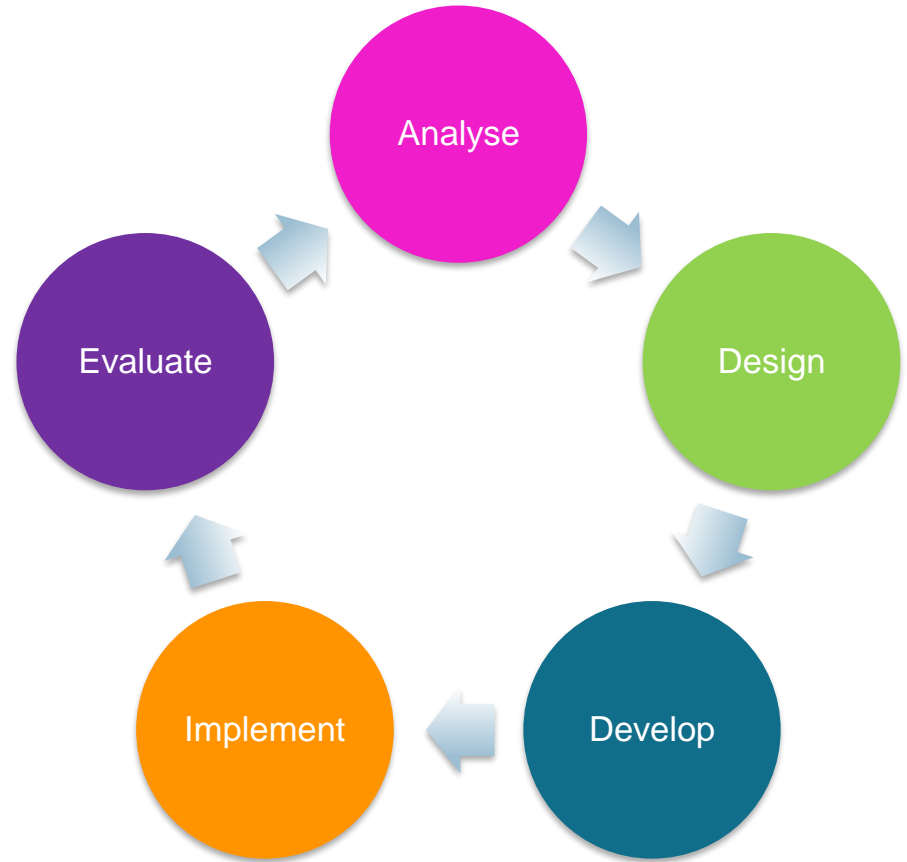


ADDIE

= a model that describes the different steps in the process of instructional design (ID)



5 phases represent a dynamic, flexible guideline for building effective training



Questions? Suggestions?

