

Learning Domains Handout

Task 1 – Write the sentence from memory.

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Task 2 – Match the theorists to their theories.

Lev Vygotsky	- Behaviorism (Operant Conditioning)
Jerome Bruner	- Situated Learning (Communities of Practice)
B. F. Skinner	- Social Development Theory (ZPD)
Albert Bandura	- Constructivist Theory
J. Lave / E. Wenger	- Social Learning Theory

Follow up

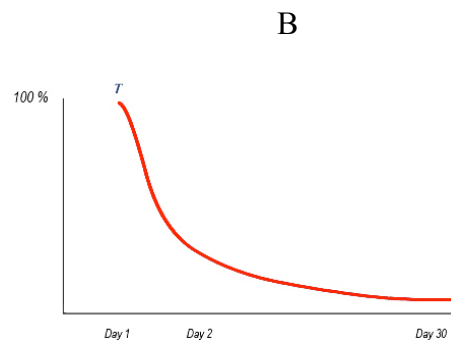
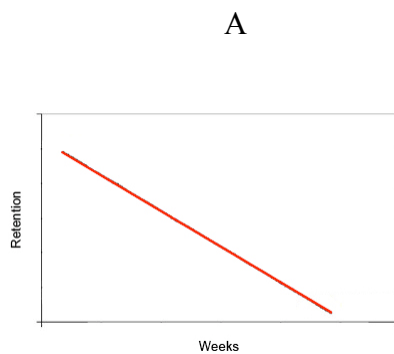
What is the Nuremburg Funnel?

(a) a rock band (b) an idiomatic expression (c) a kitchen utensil

How many Learning Domains did we discuss today?

What metaphor was used for Cognitive Load Theory?

Which figure best represents how we retain (keep) new information or learning?



Which theory or concept explains how the presenter helped his daughter learn PowerPoint?

Conditions of Learning (Robert Gagne)

- Gaining attention
- Informing learners of the objective
- Stimulating recall of prior learning
- Presenting the stimulus
- Providing learning guidance
- Eliciting performance
- Providing feedback
- Assessing performance
- Enhancing retention and transfer

First Principles of Instruction (David Merrill)

Learning is facilitated when

- learners are engaged in solving real-world problems
- existing knowledge is activated as a foundation for new knowledge
- new knowledge is demonstrated to the learner
- new knowledge is applied by the learner
- new knowledge is integrated into the learner's world

Motivational Design (John Keller)

- Attention
- Relevance
- Confidence
- Satisfaction (ARCS)

Domains & Levels of Learning (Benjamin Bloom)

	Cognitive	Affective	Psychomotor
6	Evaluation	Conviction	Mastery
5	Synthesis	Integration	Elaboration
4	Analysis	Differentiation	Refinement
3	Application	Consideration	Performance
2	Comprehension	Appreciation	Replication
1	Knowledge	Awareness	Recognition

References

- Bandura, A. (1977). *Social learning theory*. New York: General Learning Press.
- Bruner, J. (2003). *Making stories: Law, literature, life*. Harvard University Press.
- Gagne, R. (1985). *The conditions of learning* (4th Ed.). New York: Holt, Rinehart & Winston.
- Gardner, H. (1983). *Frames of mind*. New York: Basic Books.
- Merrill, M. D. (2002). First principles of instruction. *Educational Technology Research and Development*, 50(3), 43-59. <http://cito.byuh.edu/merrill/text/papers/5FirstPrinciples.PDF>
- Wenger, E. (1998). *Communities of practice: Learning, meaning, and identity*. Cambridge, UK: Cambridge University Press.

Online Resources

- Communities of Practice - www.infed.org/biblio/communities_of_practice.htm
- Explorations in Learning & Instruction: The Theory Into Practice - <http://tip.psychology.org>
- Glossary of Instructional Strategies <http://glossary.plasmalink.com/glossary.html>
- Nuremberg Funnel at Wikipedia http://en.wikipedia.org/wiki/Nuremberg_Funnel
- Vygotsky Resources - www.kolar.org/vygotsky
- Brain Rules www.brainrules.net