



**Karolinska
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Learning about Learning

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Disclosure

- Associate residency director, Karolinska University Hospital
- WHO expert in medical education
- Co-course Director KI-BMJ Leading for Change in Health Professional Education
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Objectives

- Be able to **list** some basic key adult learning principles, based on educational research.
- Be able to **discuss** how these principles translate into designing educational activities in the domain of health professional education

*Learning is to
understand
something in a
qualitatively different
way*

Approaches to Learning

Surface (low cognitive)

- List
- Remember
- Enumerate

Deep (high cognitive)

- Compare
- Integrate
- Evaluate
- Discuss
- Create





What makes learning interesting?

Theories about Learning

- *Tabula Rasa*
- Behaviourism
- Cognitive Revolution: Information Processing
- Constructivism
 - Knowledge
 - Experience
- Social context

TEACHER

Can

Cannot

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Can

Cannot



Adult Learning Principles (Knowles, M.)

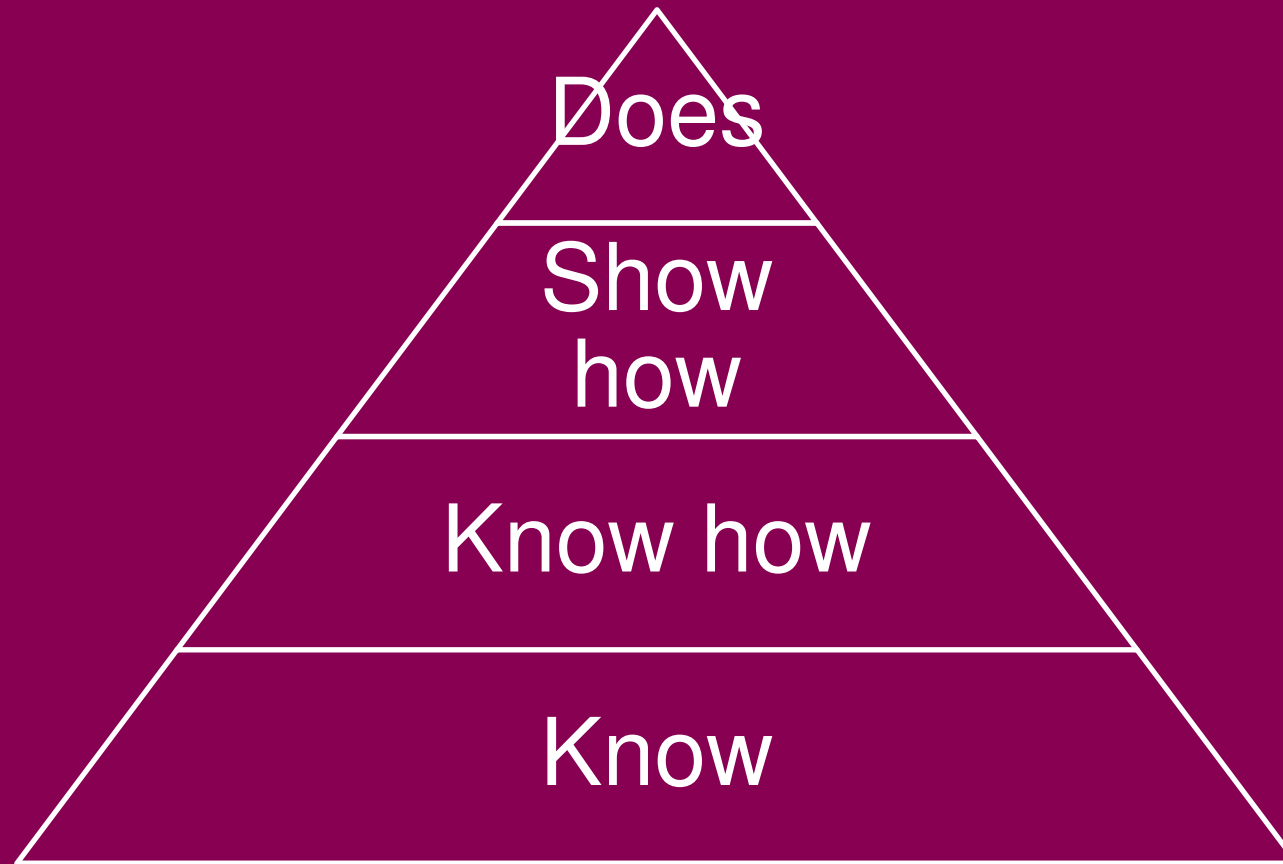
- A Need to know
- B Previous experience
- C Interactivity



How do we design learning?

Constructive Alignment





Educational Design and the Adult Learning Principles

A	Previous experience
B	Previous knowledge
C	Interactivity
D	Needs to know why

Educational Design and the Adult Learning Principles

	Learning Activity	Applies?
A Previous experience		
B Previous knowledge		
C Interactive		
D Needs to know why		

Learning Objectives are KEY

- Formulate your learning objectives properly
- If not: no assessment, no evaluation
- Make an alignment analysis: backwash analysis!

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Conclusion

- Approaches to learning
- High and low quality learning
- Importance of previous knowledge and experience
- Make an alignment analysis
- Blended curricula

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- ki.se/mcc
- bmj.com/leadforchange
- ki.se/learningspaces