Applying Research from How People Learn to Engineering Classrooms Workshop

Notes and Handouts
Applying Research from How People Learn to Engineering Classrooms

Purpose:
This workshop focuses on the three key findings in the NRC’s report “How People Learn.” Application of those findings in engineering classrooms is also discussed.

Agenda:
The intended time for this workshop is 120 minutes.

Topics for this workshop include:
- Research results from the Academic Pathways Study
- Research results from the National Research Council
  - Students have preconceptions
  - Knowledge organization matters
  - Students benefit from a “metacognitive” approach to instruction
- Applying research to classrooms

Goals:
1. Explore research results from How People Learn
2. Think about ways these results might be applied in the context of your own classroom
3. Participants leave with something helpful
Applying Research from How People Learn to Engineering Classrooms

Bibliography


Center for the Advancement of Engineering Education.


Design Research Bibliography


