

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**
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Applying Research from How People Learn to Engineering Classrooms Bibliography

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- Atman, C. J., Borgford-Parnell, J., Deibel, K., Kang, A., Ng, W. H., Kilgore, D., et al. (2007, September). *Matters of Context in Design*. In proceedings of the Design Thinking Research Symposium VII, London, England.
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