Assistive Technologies for Learning: Broadening Participation in STEM

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“We just hired a deaf engineer and no one told me.”

Human Resource Director
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Greater Access to STEM Education

• Improve access to learning
  - Access technologies
  - Instructional strategies
• Improve self-efficacy
Classroom Access

Interpreting

Real Time Captioning

Amplification

Video Captioning

Document Visualizer
Research in Access Technology

See-Though Monitor

Multiple View Perspectives
Instructional Strategies

• Universal Design for Instruction (UDI)

• Micromessaging
Self-Efficacy

I can do it!