Surviving and Thriving in Diverse Classrooms

Overview
- Challenges facing educators
- Technology--overload or solution?
- Universal design for learning (UDL) principles
- Integrating technology and UDL to support SWD, struggling learners, and teachers
  - Options for presenting and accessing...
  - Options for expressing and demonstrating...
  - Options for engaging and sustaining...
- Shifting responsibility to the students

The 5 ‘R’s student ...
- Reluctant
- Relcalcitrant
- Reading and wRiting
- Resistant
"For most of us technology makes things easier. For a person with disabilities, it makes things possible”

(Edyburn, Higgins, & Boone, 2005, p. xiii)

Universal Design: We all benefit

- Not one size fits all – but alternatives.
- Designed from the beginning, not added on later.
- Increases access opportunities for everyone
Universal Design Is All Around Us...

- Ramps
- Curb Cuts
- Electric Doors
- Captions on Television
- Easy Grip Tools

![Image](image.png)

Slide adapted from Kathy Howery

Technology-based Solutions

Options for ...

- Presenting, representing, accessing, expressing, demonstrating...
- engaging, challenging, supporting, and sustaining...

![Image](image.png)

Options for presenting information

Digital Life-- History for Music Lovers

http://www.youtube.com/watch?v=ROo-YAxxDY&feature=c4-overview&list=UUAIABuhV5MZJMGxqXUr6XqA

http://bookbuilder.cast.org
Pedro engages the affective and strategic networks by prompting readers to actively think about the text.

Monty engages the recognition network by offering models of expert strategies and think-alouds.

The UDL Coaches bookbuilder.cast.org

http://www.tarheelreader.org

http://www.gutenberg.org/
- 42,000 public domain books
- Download to iBooks for offline reading
- Turn on Speak Selection in iPad accessibility settings to read back text.

http://www.showme.com/

http://www.explaineverything.com
Options for Expression

Remember the writing resistant student...
- Speech recognition software
- iMovie or Movie Maker
- Graphic organizers and mapping tools
- Voice Thread

https://voicethread.com/mathstrategies

http://www.kerpoof.com

http://www.plasq.com

http://microsoft-photo-story.en.softonic.com/
Strategy Tools
The Strategy Tools Support System

Library
Getting Information

Classroom
Demonstrating Learning

Conference Room
Solving Personal Problems

Information Center
Moving into the Future

Computer Lab
Working on Projects

Study Guide

Class
History
Topic
Ancient Egypt

Main Ideas

Egyptian History between 3100 and 31 B.C.
Assess self-concept, reasons for failure

Details to Learn

- History of Ancient Egypt
- The Pharaohs and their reigns
- The daily life of ancient Egyptians

Special Words

- Pharaoh
- Mummification
- Pyramid

Options for engagement

What about the reluctant, recalcitrant student?

- Sustaining student interest, motivation, persistence?
- Feedback, choice, relevance, appropriate supports, goal-setting, self-regulation

Tap in to student interests...

Mummification
The French Revolution

http://www.youtube.com/watch?v=1q6ADyd
E&list=UUAlA6hVSMZJMVzq+JuXqA
http://www.youtube.com/watch?v=wXz6btoq&list=UUAlA6hVSMZJMVzq+JuXqA

http://strategytools.org/

http://noredink.com
Provide appropriate supports

Science Writer
http://sciencewriter.cast.org/welcome

Provide feedback

Class Dojo

http://www.classdojo.com/

Teach and support self-regulation

Goal of Family of Software...

...To shift responsibility for academic and social behavior to the child
  External Control—teacher focus
    Shared Control—teacher and student
      Internal Control—student self-monitors

http://strategytools.org
http://kidtools.org

Our Challenge
The Inspiration

The Application of the App

Lunch

Closing thoughts

- Future research
- Tips/ideas for supporting students? the 5 R’s student? you?
- Questions?

Questions?

- Thank you and enjoy the rest of the conference.
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