

Breaking Down Barriers to Literacy

Marsha Acheson
achesom@cps-k12.org

Universal Design for Learning

- *Multiple means of representation*, to give learners various ways of acquiring information and knowledge,
- *Multiple means of expression*, to provide learners alternatives for demonstrating what they know,
- *Multiple means of engagement*, to tap into learners' interests, offer appropriate challenges, and increase motivation.

Cast.org

Universal Design for Learning

Universal Design for Learning (UDL) does not imply one optimal solution for everyone, but instead underscores the need for inherently flexible, customizable content, assignments and activities.

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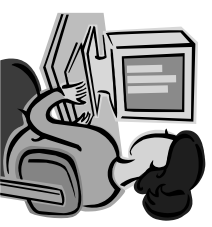
Printed Books

- Printed books have many advantages. Through them we can distribute the knowledge of our culture to millions of people in exactly the same form. That sameness is also the disadvantage of books. Books are "one size fits all," they don't actually fit many learners.



What Can We Do With Digital Text

- We can use Microsoft Word to make changes in text such as enlarge, change text color, underline, **bold**, *italics*, formatting, double space, etc.
- We can also check reading statistics, auto summarize, and add tags.



Demonstrate

Let's find text

- www.sparknotes.com
- www.gradesaver.com
- www.gutenberg.net/
- <http://etext.lib.virginia.edu/english.html>
- <http://onlinebooks.library.upenn.edu/>
- <http://www.magickkeys.com/books/index.html#books>
- www.bookshare.org

What is Text-to-Speech



Text-to-speech (TTS) technology on a computer refers to the combination of text appearing on the computer display together with the computer speaking that text aloud with a synthesized voice.

NOTE: Any text that can be selected (highlighted), can be read aloud.

- Free Text-to-Speech www.naturalreaders.com
- MAC Computers

Options on Text Reader

- Read Speed and Change voices
- Translate to another language
- Summarize
- Highlight and Extract
- Zoom

Demonstrate Software – Don Johnson
Premier, Natural Reader, eReader

Talking Dictionary

- Reading Options
- Where does it go?
- Look up
- Synonym
- Copy

Text To Audio

- Settings
- File Type Output
- Save
- Start
- Media Player

Text-to-Speech on the Internet

- Highlighted Text
- Zoom

■ Websites – Pros and Cons

- <http://www.georgewashington.si.edu/portrait/index.html>
- <http://www.windows.ucar.edu>
- <http://www.classzone.com>

Writing Help

- Editing with speech feedback
- Listen to misspelled words
- Using talking spell check
- Using word prediction

Demonstrate CoWriter, Premier,

Graphic Organizer

- Kidspiration
- Inspiration
- Draft Builder

Demo



Speech Recognition

- Talk and the computer types for you.
- Consider cognitive level
- Consider speech patterns
- Consider articulation

Portable Word Processing

- The Writer
- AlphaSmart
- Fusion
- Think about features the student needs

Scanning text

- Scanners and Software
- Scan Utility Menu
- Word Process
- Text and Graphics
- Individual scanners

PDF Reader and other Formats

- Will it read PDF?????
- Will it read RTF
- Will it read Plain Text
- Will it read Word
- Will it read HTML

Become Interactive!

*Use an Interactive White Board
Use Interactive Websites*

- <http://atozteacherstuff.com>
- <http://www.readwritethink.org/resources/index.asp>
- <http://tarheelreader.org>
- www.startfall.com
- <http://www.widgit.com/>
- <http://www.news-2-you.com/index.aspx>
- <http://www.thinkingblocks.com/TryIt.html>
- <http://www.classzone.com>

Interactive Sites

- <http://www.biginiverse.com/>
- <http://www.brainbashers.com>
- <http://www.webenglishteacher.com/hawthorne.html>
- <http://tarheelreader.org>

Other Resources

- <http://www.do2learn.com/>
- Free teacher and parent materials and interactive games and much more
- www.maver-johnson.com
- Get support and download or upload Boardmaker Activities
- <http://www.adaptedlearning.com>
- Join for free and upload and download Boardmaker boards and activities
- <http://atozteachersstuff.com>
- A to Z Teacher Stuff is a teacher-created site designed to help teachers find online resources more quickly and easily. Find lesson plans, thematic units, teacher tips, discussion forums for teachers, downloadable teaching materials & eBooks, printable worksheets and blacklines, emergent reader books, themes, and more.
- <http://www.readwritethink.org/resources/index.asp>
- The Web Resources Gallery offers links to a myriad of useful English language arts resources on the Internet.

More Resources

- <http://www.lburkhart.com/index.html>
- Resources for making materials and research on Autism
- www.startfall.com
- Site for learning to read interactively.
- <http://www.widgit.com/>
- Elive symbol supported newsletters and other activities and materials
- <http://www.news-2-you.com/index.aspx>
- Symbol Supported Reading
- <http://mrsriley.com/introduction>
- Print the cards you need from your browser with our easy to use tools
- <http://www.elliecards.com>
- A new image exchange system using real photo images.
- www.berinesthings.com
- Activities geared toward older elementary through adult ages that reinforce functional daily skills as well as teach grade level objectives through various means of modification.