









Cool Tools to Support UDL in Schools February 13, 2013 8:00am - 8:45am Room C120-122 Jeff McCormick
Program Director
Universal Design for Learning Center at OCALI
Achieve - Graduate - Succeed

Lesson Goals

Gain knowledge of the origins of UDL. Learn the three principles. Develop an awareness of UDL resource tools. Have fun learning.

I Can...

I can identify the origins of UDL.
I can explain the three principles of UDL.
I can locate UDL resource tools.
I can have fun learning.



O.C.A.L.I

Ohio Center for Autism and Low Incidence

What is UDL?

Universal Design for Learning (UDL)

Universal Design for Learning (UDL) is an educational framework based on research in the learning sciences, including cognitive neuroscience, that guides the development of flexible learning environments that can accommodate individual learning differences.

The Three Principles Multiple Means of... Representation Give learners several ways to acquire information. Expression/Action Supply learners with alternatives to demonstrate what they know. Engagement Challenge learners interests and motivate them to succeed. Origins of UDL "Everyone Thinks Differently"

Our Brains R Unique: If you can read this you have a strong mind:

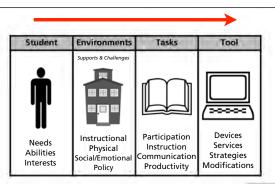
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Technology as a Tool

When teachers "perceive" technologies as part of their teaching and part of students' learning, there can be greater gains to both surface and deep understanding.

Source: The Learning Edge: What Technology can do to Educate All Children



Source: SETT Framework - Dr. Joy Smiley Zabala, Ed. D., ATP



Cool Tools Computer Tools Internet Tools









Talking Calculator Benefit: Provides auditory feedback to help a student check the accuracy of the keys pressed and verifies the answer before transferring to paper.

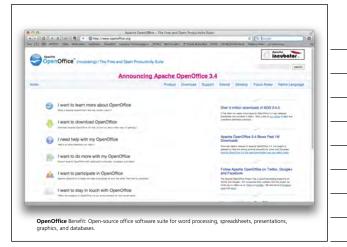


Safari Reader Benefit: Article appears without distracting content optimized for easy reading. Reader stitches together articles that are continued over multiple webpages and broken up by ads, menu bars, and other items on webpages.

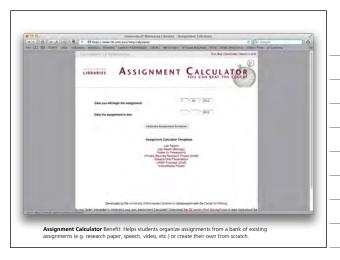








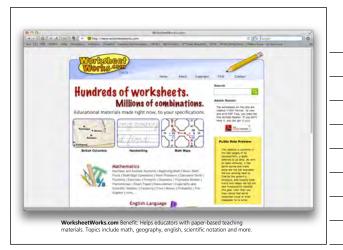


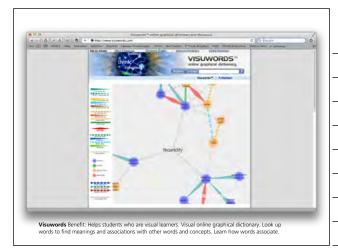






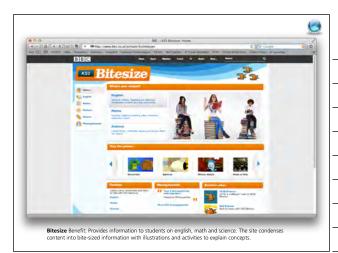


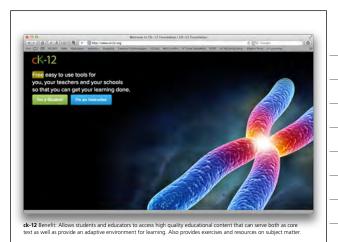












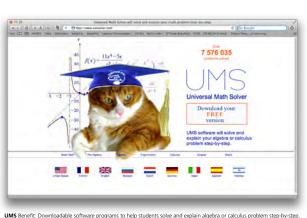




Route 66 Tar Heel Reader Benefit: For students who need easy-to-read, accessible books. The books may be downloaded as slide shows in PowerPoint or Flash format. Each book can be speech enabled and accessed using multiple interfaces.







UMS Benefit: Downloadable software programs to help students solve and explain algebra or calculus problem step-by-step.

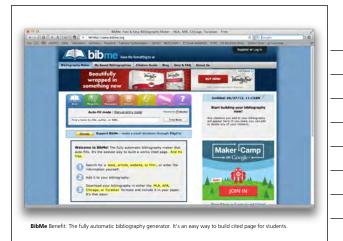


NASA Benefit: Website provides educational materials to teachers that focus on science and exploration. The site also provides students with hands-on, interactive activities that focus on all aspects of science.



Cool Math Benefit: Provides teachers access to online math lessons, math games and fun math activities.

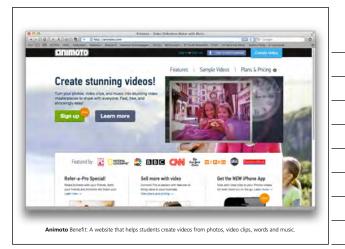








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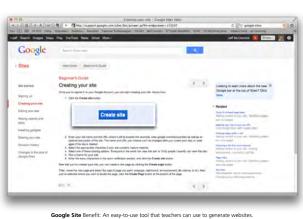












Words Sealed Sea

Wordle Benefit: An internet-based tool that students can use to generate "word clouds" from text. The clouds give greater prominence to words that appear more frequently in the source text. You can tweak your clouds with different fonts, layouts, and color schemes.







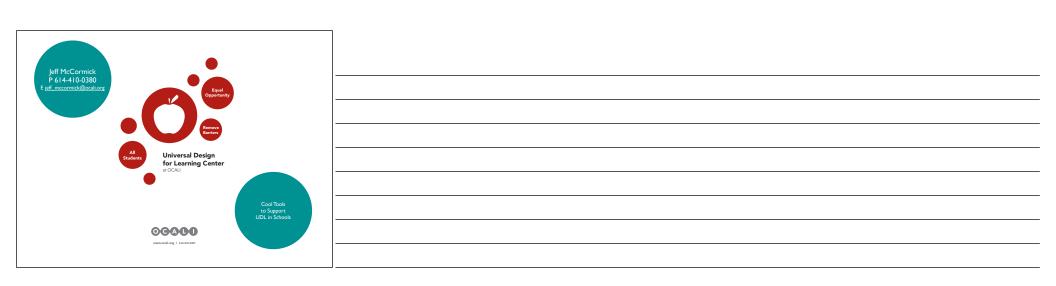




"No one who ever bought a drill wanted a drill. They wanted a hole."

- Perry Marshal





Cool Tools to Support UDL in Schools Resource Page

Tool	Location	
Text to Speech	Choose Apple menu > System Preferences, click Speech, and then click "Text to Speech." Open the Text to Speech pane of Speech preferences. Select the "Speak selected text when the key is pressed" checkbox. By default, Option+Esc is used.	
Calculator	Choose Finder > Applications > Calculator	
Safari Reader	Choose Finder > Application > Safari	
Free Software		
osalt.com	http://www.osalt.com	
OpenOffice	http://www.openoffice.org	
OpenDisc	http://www.theopendisc.com	
Organization		
Assignment Calculator	https://www.lib.umn.edu/help/calculator	
Springnote	http://www.springnote.com	
Stixy	http://www.stixy.com	
bubbl.us	https://bubbl.us	
SpiderScribe	http://www.spiderscribe.net	
WorksheetWorks	https://worksheetworks.com	
Visuwords	http://www.visuwords.com	
Academics		
Khan Academy	http://www.khanacademy.org	
Bitesize	http://www.bbc.co.uk/schools/ks3bitesize	
Reading		
ck-12	http://www.ck12.org	
Blio	https://www.blio.com	
BookRix	http://www.bookrix.com	
Tar Heel Reader	http://tarheelreader.org	
Storyline Online	http://www.storylineonline.net	

Tool	Location	
Books Should Be Free	http://www.booksshouldbefree.com	
Math & Science		
UMS	http://www.umsolver.com	
NASA	http://www.nasa.gov	
Games		
Cool Math	http://www.coolmath.com	
Zondle	https://www.zondle.com	
Bibliographies & Comics		
BibMe	http://www.bibme.org	
MakesBeliefsComix	http://www.makebeliefscomix.com	
Communication		
Animoto	http://animoto.com	
TodaysMeet	http://todaysmeet.com	
Knotebooks	http://knotebooks.com	
Presentations & Stories		
Prezi	http://prezi.com	
Storybirds	http://storybird.com	
Website Creation & Web Clouds		
Weebly	http://www.weebly.com	
Google Sites	https://sites.google.com	
Wordle	http://www.wordle.net	
Videos		
The Center on Congress	http://congress.indiana.edu	
Xtranormal	http://www.xtranormal.com	
Knowmia	http://www.knowmia.com	