Universal Design for Learning
A Look into the Toolbox

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What is UDL?

“The term Universal Design for Learning means a scientifically valid framework for guiding educational practice that:

- (a) provides flexibility in the ways information is presented, in the ways students respond or demonstrate knowledge and skills, and in the ways students are engaged; and
- (b) reduces barriers in instruction, provides appropriate accommodations, supports, and challenges, and maintains high achievement expectations for all students, including students with disabilities and students who are limited English proficient”

Higher Education Opportunity Act, 2008
Universal Design for Learning

Multiple Means of...

Representation       Expression       Engagement

Center for Applied Special Technology, CAST
Which tool are you most likely to use in your course this semester?
Voice Thread

- Increases active learning in students with:
  - Learning disabilities, ADHD, & emotional behavioral disorders
    (Brunvand & Byrd, 2011)

- New tool for collaborative learning environments
  (Johnson, Levine, Smith & Smythe, 2009)

- 2010 Sloan C Award Winner

- www.voicethread.com
Representation

Expression

Students can type a response!
Voice Thread Demo
What is the primary way you schedule meetings with students?
Doodle

- When people believe choice is given, people are more likely to engage in the activity
  (Lewin, 1952)
- Choice increases intrinsic motivation, effort, task performance, perceived competence, and preference for challenge
  (Patall, Cooper, & Civey Rovinison, 2008)
Doodle Purpose

- www.doodle.com
- Schedule meetings & Conduct Polls

Guideline 7: Options for recruiting interest

National Center on Universal Design for Learning, 2011
Grade Tracker

http://udi.uconn.edu/sites/default/files/e-tool/Grade Tracker/Grade Tracker.xlsx

Guideline 9: Provide options for self regulation

National Center on Universal Design for Learning, 2011
Microsoft Word

• Assists in avoiding excessive amount of text
  (Dukes, Koorland, & Scott, 2009)

• Provides alternate formats of representation
  (Burgstahler, 2002; Dukes, Koorland, & Scott, 2009)

• Provides detailed notes
  (Dukes, Koorland, & Scott, 2009)
Microsoft Word Features

- Outlines
- AutoSummary (MS Word 2007)
- Hyperlinks
- Comments
- Track Changes
Audacity Research

- Students expressed a preference for audio feedback when compared to written feedback.
- Audio feedback has an increased emphasis on the developmental facets of learning (Merry & Orsmond, 2008).
- Provides alternate formats of presentation (Burgstahler, 2002; Dukes, Koorland, & Scott, 2009).
Audacity

Audacity Examples

In your free time…

And for your edification…
Jing

- Provides alternate formats of presentation
  (Burgstahler, 2002; Dukes, Koorland, & Scott, 2009)
Jing Information

- Jing
- [www.techsmith.com/jing](http://www.techsmith.com/jing)
- Download free version

Take a picture or make a short video of what you see on your computer monitor.

Share it instantly via web, email, IM, Twitter or your blog.

Simple and free, Jing is the perfect way to enhance your fast-paced online conversations.
Guideline 9: Provide options for self regulation

National Center on Universal Design for Learning, 2011
Which tool are you most likely to use in your course this semester?
Questions or comments?
Resources

- **Websites**
  - EnACT: [http://enact.sonoma.edu/udl](http://enact.sonoma.edu/udl)
  - National Center on UDL: [www.udlcenter.org](http://www.udlcenter.org)
  - Uconn’s tools: [www.udi.uconn.edu](http://www.udi.uconn.edu)
  - CAST: [www.cast.org](http://www.cast.org)
<table>
<thead>
<tr>
<th><strong>Upcoming Workgroups</strong></th>
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<td><strong>Social Media</strong></td>
<td>Oct. 21, 2011, 12:00pm</td>
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<td><strong>Video Usage</strong></td>
<td>Nov. 17, 2011, 2:00pm</td>
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<td><strong>Project-Based Learning</strong></td>
<td>Dec. 2, 2011, 12:00pm</td>
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<td><strong>Cooperative Groups</strong></td>
<td>Jan. 26, 2012, 2:00pm</td>
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<td><strong>Low Tech UDL</strong></td>
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<td><strong>Textbook Manipulation</strong></td>
<td>March 22, 2012, 2:00pm</td>
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<td><strong>Exams, Tests, &amp; Projects</strong></td>
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<td><strong>Syllabus Design</strong></td>
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