Best Practices in Learner-Centered Design for a Diverse Classroom

Ludy Goodson
Kathie Surface
What is diversity?
What is diversity?

- Image: The Mason Gazette
What is diversity?

- Image: How to Create a Culturally Diverse Classroom
What is diversity?

- Image: Smartphones Assist Deaf Undergrads in the Lab
What is diversity?

- Image: Colleges Lock Out Blind Students Online Courses
A Few Clicker Questions…
Question 1

- Does IPFW have special admission standards for people with disabilities?
  - A. Yes
  - B. No
Question 1 Answer

- Does IPFW have special admission standards for people with disabilities?
  - A. Yes
  - B. No – same for all.
Question 2

- Are students with disabilities required to take placement tests?
  - A. Yes
  - B. No
Question 2 Answer

- Are students with disabilities required to take placement tests?
  - *A. Yes – if for others, too.
  - B. No
Question 3

- Students need equal access to learning if they have __________.
  - A. physical disabilities;
  - B. epilepsy or dyslexia;
  - C. gained admission to IPFW.
**Question 3 Answer**

- Students need equal access to learning if they have __________.
  - A. physical disabilities;
  - B. epilepsy or dyslexia;
  - *C. gained admission to IPFW.*
Question 4

- What skills does a written math test assess when taken by a student who has dyslexia?
  - A. Thinking skills;
  - B. Reading skills;
  - C. Math skills.
Question 4 Answer

- What skills does a written math test assess when taken by a student who has dyslexia?
  - A. Thinking skills;
  - B. Reading skills;
  - C. Math skills.
“Learner-Centered Design”?
“Learner-Centered Design”?
“Learner-Centered Design”?
Diversity = Diverse Abilities?

- Albert Einstein?
Diversity = Diverse Abilities?

- Albert Einstein?
- Struggled with letters.
Diversity = Diverse Abilities?

- Albert Einstein?
- Struggled with letters.
- Visualized complex physics.
Diversity = Diverse Abilities?

- Implications?
Diversity = Diverse Abilities?

- Implications?
- Give ONE way for students?
Diversity = Diverse Abilities?

- Implications?
- ONE way for students to learn?
- GROUPS for all?
Diversity = Diverse Abilities?

- Implications?
- ONE way to read?
- GROUPS for all?
- ONE way to give a report?
“Culturally-Responsive Teaching”? 

- Image: [Teaching at Cambridge](#)
“Culturally-Responsive Teaching”?

- Image: Teaching Simply a Matter of Style
“Culturally-Responsive Teaching”? 

- Image: How to Teach with Technology
“Culturally-Responsive Teaching”?

- Image: [More on the Future of Teaching with Technology](#)
Change the student?

- Video (1:58):
  
  Introduction to Universal Design for Learning
  Center for Applied Special Technology
Change what else?

- Michael Wesch, *TED Talk: From Knowledgeable to Knowledge-Able*
- STOP at 2:12.

- **TED**=Technology Entertainment Design
New framework?

- Change the DESIGN.
- Change the TEACHING.
A Few More Questions
Question 1

- Is this image web accessible?
  - A. Yes.
  - B. No.
Question 1 Answer

- Is this image web accessible?
  - A. *Yes.*
  - B. No.
Image for Next Question
Comparative Politics

- Comparative politics textbooks
  - Case study approach
  - Thematic (issues and concepts)
  - Little real comparison

- Draper and Ramsay, *The Good Society*
  - Comparative; cases as archetypes of distinct patterns
  - Empirical (observation, analysis) and normative (evaluation)
    - How do states compare? (similarities, differences)
    - What constitutes the good society?
    - Why are some countries better than others at creating conditions that permit citizens to realize potential?
  - Explicitly institutional
    - Different institutional arrangements (rules governing political, economic, and social life) produce different outcomes in terms of the ability of citizens to realize potential
Question 2

- Was that example from a PowerPoint web accessible?
  - A. Yes.
  - B. No.
Question 2 Answer

- Was that example from a PowerPoint web accessible?
  - A. Yes.
  - *B. No.
Image for Next Question
THE GREATEST POWERPOINT

Isn’t this AMAZING!?
Question 3

- Was that example from a PowerPoint “design theme” web accessible?
  - A. Yes.
  - B. No.
Question 3 Answer

- Was that example from a PowerPoint “design theme” web accessible?
  - A. Yes.
  - B. No – most themes NOT.
Question 4

- If I save a PowerPoint as a PDF, will that make it web accessible?
  - A. Yes.
  - B. No.
Question 4 Answer

- If I save a PowerPoint as a PDF, will that make it web accessible?
  - A. Yes.
  - *B. No – NOT accessible > still NOT; accessible > PDF Tag OPTION.
Question 5

- Is a computer a typewriter?
- A. Yes.
- B. No.
Question 5 Answer

- Is a computer a typewriter?
  - A. Yes.
  - B. *No.
Web Accessibility = Design?

- Information design
- Organization clarity
What happened here?

- **SOURCE:** Financial Literacy Syllabus

**Course Schedule:**

- Unit 1: Introduction to Financial Literacy → → → → Unit 5: Savings and Investment
- Unit 2: Career Exploration → → → → Unit 6: Credit and Debt
- Unit 3: Paychecks and Income → → → → Unit 7: Risk Management and Insurance
- Unit 4: Planning and Money Management
What happened here?

- SOURCE: Financial Literacy Syllabus

Course Schedule:

Unit 1: Introduction to Financial Literacy
Unit 2: Career Exploration
Unit 3: Paychecks and Income
Unit 4: Planning and Money Management
Unit 5: Savings and Investment
Unit 6: Credit and Debt
Unit 7: Risk Management & Insurance
What happened here?
What happened here?
What happened here?
What happened here?

- SOURCE: Financial Literacy Syllabus

Course Schedule:

Unit 1: Introduction to Financial Literacy
Unit 2: Career Exploration
Unit 3: Paychecks and Income
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What happened here?
What happened here?

- SOURCE: Financial Literacy Syllabus
Web Accessibility = Design?

- IPFW Accessibility Checklist
- For Web, Blackboard.
- What?
Web Accessibility = Design?

- IPFW Accessibility Checklist
- Headings
Web Accessibility=Design?

- IPFW Accessibility Checklist
- Headings
- URLs within TITLES
Web Accessibility = Design?

- IPFW Accessibility Checklist
- Headings
- URLs within TITLES
- Image descriptions
Web Accessibility = Design?

- IPFW Accessibility Checklist
- Headings
- URLs within TITLES
- Image descriptions
- Enough contrast
Web Accessibility=Design?

- IPFW Accessibility Checklist
- Headings
- URLs within TITLES
- Image descriptions
- Enough contrast
- Not just COLOR coding
Web Accessibility=Design?

- **IPFW Accessibility Checklist**
- Headings
- URLs within TITLES
- Image descriptions
- Enough contrast
- Not just COLOR coding
- Alternative for content
Millenial Students

- **Communicating with Millennials**
- a multitasking MEDIA generation.
Millenial Students

- Millennial Trends – “all media is personal”
Millenial Students

- **Millennial Consumers**
- “all digital natives”
Millenial Students

- **A more connected approach**
- “equality for all”
Millenial Students

- Emory Alumni
- WANT “clear, explicit, structure” “technology” “variety” “active”
Millenial Students

- Get (or Stay) Active in Classroom
- “re-evaluate delivery method”
IPFW Diversity Technology

- Operating Systems:
  - Windows,
  - Mac OS,
  - Linux
IPFW Diversity Technology

- **Learning Environments:** Blackboard, MyLabs (Pearson), iPad, eText (eBook)*

*not all equal

- Image: iPad Mini
IPFW Diversity Technology

IPFW Diversity Technology

IPFW Diversity Technology

- Browsers:
  - Firefox,
  - Internet Explorer,
  - Google Chrome,
  - Safari,
  - Mobile Browsers.
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- Media Players:
  Windows Media Player, Quicktime
IPFW Diversity Technology

- Media Servers:
  Mediasite,
  Media Vault,
  Echo 360,
  Channel 5.
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- **Web Pages:**
  - IPFW Website,
  - Personal Web pages,
  - Faculty Web pages,
  - Google Sites,
  - WordPress,
  - Facebook,
  - WWW, etc.
IPFW Diversity Technology

- Collaboration:
  Blackboard Chat/Virtual Classroom,
  Blackboard Collaborate,
  Adobe Connect,
  WebEx,
  GoToMeeting.
IPFW Diversity Technology

- Surveys:
  - Qualtrics,
  - Fillable PDF’s,
  - JForms,
  - Blackboard.
IPFW Diversity Technology

- Narrated Presentations/Lectures: Echo 360, Tegrity, YouTube, iTunes, Camtasia,
Library Guide

- Learning Centered Design for a Diverse Classroom
Library Guide

- Learning Centered Design for a Diverse Classroom
- Best Practices
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- Accessibility Evaluation
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- Technology Applications
- Accessibility Evaluation
- Standards
Library Guide – Let’s Look!

- Learning Centered Design

- http://guides.library.ipfw.edu/learnercentered
Library Guide

- And, we hope you will be inspired to use this guide!