

AXIO LEARNING CONFERENCE

SEPT. 18 & 19
KANSAS STATE UNIVERSITY
STUDENT UNION





Accessibility and Axio

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- [K-state.edu/dss/k-access/Accessibility_and_Axio.ppt](http://k-state.edu/dss/k-access/Accessibility_and_Axio.ppt)

3 Parts to an Accessible Environment



1. Students with Disabilities
2. Adaptive Technology
3. AXIO Components

1. Students with Disabilities

- Visual Impairments
 - Hearing Impairments
 - Learning Disabilities
 - et cetera
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- An increased number of students with disabilities are taking online courses, often times avoiding some barriers and running into new ones.

2. Adaptive Technology

- Magnification Software
- Text-to-Speech
 - Documents need to have text
 - “Shall we play a game?”
- Screen Reader
 - Documents must have text equivalent for all elements
- Captioning / Transcripts
 - Must have visual text for all audio
 - Must have text for any visual elements

3. Axio Components

- a. Files & Content
- b. Assignments / Tests
- c. E-mails and Message Board
- d. Chat Room
- e. Whiteboard
- f. Wimba
- g. Video

a. Files & Content

- Readings (PDF / Word e-text and scanned journals)
 - Headings are Tagged?
 - PDF files are open and include text?
- Presentation Files (PowerPoint)
 - Can you output an outline for students without PowerPoint and still get all of your ideas across?
 - Are you able to type in notes to go with the outline?
 - Is PowerPoint appropriate?
- Graphics
 - Do you include a text description for any pictures posted?
 - Do you have good contrast for color?

b. Assignments / Tests

- Timed Exemptions
- Later Due Dates

c. E-mails & Message Board

- E-mail is widely accessible
- Message Board accessibility
- Message Board tips
 - Explain use of boards, threads, and response postings
 - Be detailed and precise with your postings

d. Chat Rooms

- Java versus HTML
- Accessible but usability varies depending on the user
- Keep alternatives in mind
 - Someone with trouble using keyboard may find it easier to use microphone in Wimba
 - Users who are blind may feel more comfortable with Message Boards instead, or e-mail conversations

e. Whiteboard

- Can be an excellent tool
 - Students with Learning Disabilities are likely to be visual learners.
- Whiteboard is not accessible with Adaptive Technology
 - Any text is not Real
 - Visual elements have no text counterpart (no alt text)
 - Users who are blind cannot interact
 - Users with physical disabilities may not be able to interact

f. Wimba

- Wimba is for real time meetings and sharing of information
- Accessibility: need to think about captions or interpreter
- Asynchronous viewing: make sure archived video can be captioned
- What is the ideal mediation for your information
- Can be useful for audio chat in a pinch

g. Video

- Keep it short and informative - efficient
- Wimba
- Tegrity
- Flash
 - The new video tool
 - New captioning abilities

Conclusion

- Design with accessibility in mind
- Build with a simple structure, making it more complex once you have the tasks and content set
- Prompt for student feedback along the way

Resources

- Talk with your campus IT department
- Connect with your disability services office
- At K-State
 - Instructional Designers
 - DSS – Jason Maseberg-Tomlinson
 - [K-Access](#)

Thank you

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 - Disability Support Services
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 - www.ksu.edu/dss/k-access