Interacting and Engaging with Students using Accessible Apps from EmTechWIKI

Exploring Emerging Technologies

For Lifelong Learning and Success

http://suny.edu/emtech

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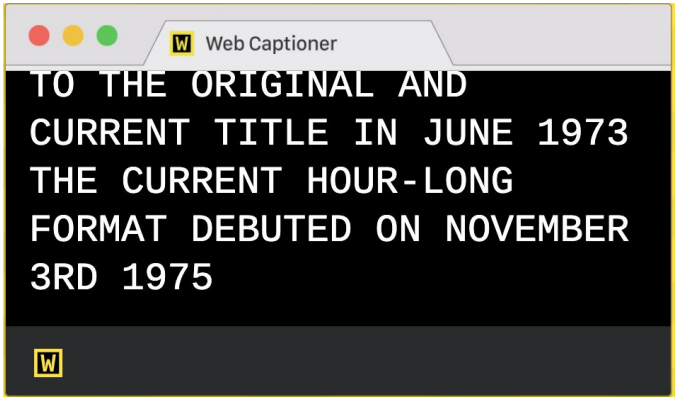
Would you like to access Live-captions?

Web-Captioner

https://webcaptioner.com/captioner

A free web-based service that uses automated captioning and displays a real-time transcription in your browser.



So Many Choices

- Ever-growing / changing selection of new tools
- Variation in purpose
- Variation in quality

How do we know what to choose?

#EmTechMOOC

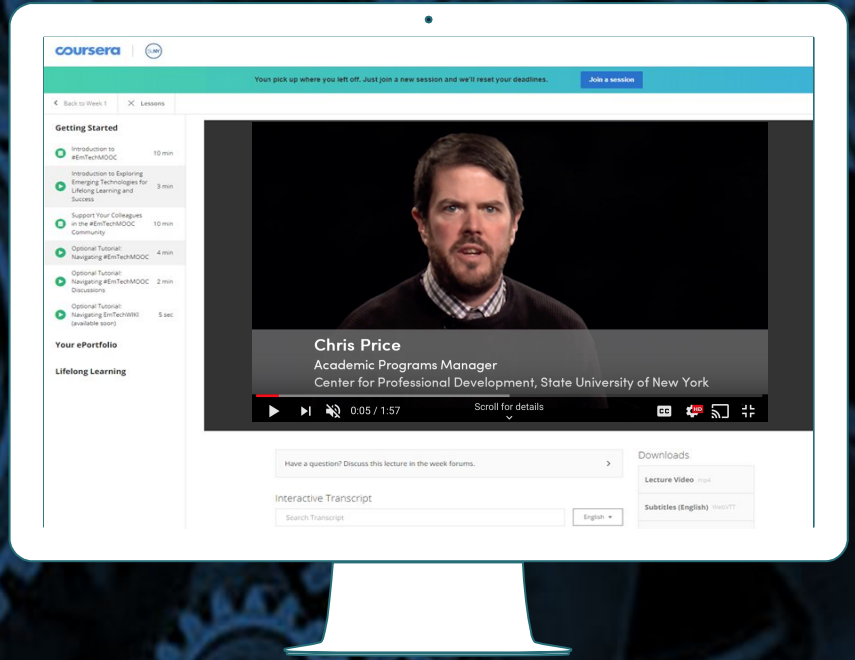
Discovery learning to explore and reflect on innovative and creative uses of emerging technologies.

Learning Opportunity targeted to...

- ALL Learners
- Anyone with an interest to stay current with today's rapidly changing technologies
- Especially students & instructors

#EmTechMOOC

Coursera MOOC provides a supportive online learning opportunity



“Four Cs of 21st Century Skills”

Communication

Collaboration

Creativity &

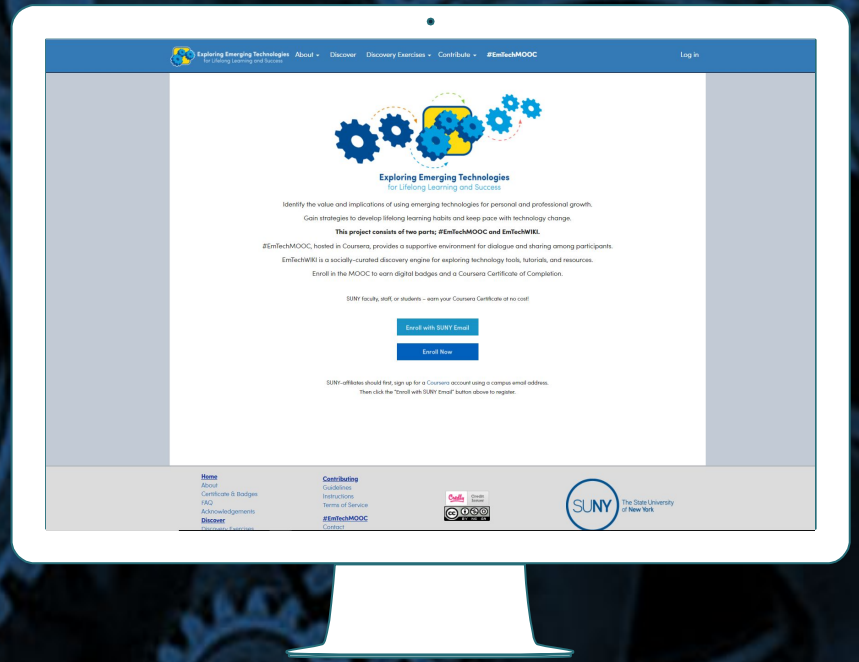
Critical thinking

EmTechWIKI

Socially curated WIKI repository of freely-available tools & resources

Used in #EmTechMOOC to complete assignments

Open website also available as a standalone resource



Communication and Collaboration
- Communicate with Others
- Create a Professional Identity
- Enhance Collaboration
- Raise Awareness
- Share Information

Select a Module to Explore

Choose your module from the tabs below. To narrow your options, select from items on the left. You may also use the Search field to search the entire collection. Please use the thumbs-up and thumbs-down rating system to review resources you explore. Create an account and log in to review, edit, or add new resources. **EmTechWIKI can only grow with your help. (For additional information, see** Instructions.**)**

Lifelong Learning | Communication and Collaboration | Creativity | Critical Thinking

Click here to switch between showing Randomly Selected Tools/Resources and Showing All Items

Accessibility
Audio
Blogs and Wikis
Collaborative Spaces
Digital Literacy/Fluency
ePortfolio
Gamification
Lifelong Learning
Mobile Apps
Open Educational Resources (OER)
Photo and Images
Presentations
Productivity Tools
Resource Libraries
Simulations
Social Media
Uncategorized
Video

Apply Filters

Objectives

Categories

☐ Sort Highest Rated
☑ Sort by Popularity

Search All Modules

Search... Go

Reset Search Options

Elements of Design Quick Reference Poster

(**+2** rating, **2** votes, **rated**)
4349 views
This poster, created by Paperleaf, is a handy reference that provides a quick overview of the C.R.A.P. principles of design; a refresher for those in the know, and a starting point for design newbies. C.R.A.P stands for Contrast, Repetition, Alignment, and Proximity. Keep these concepts in mind to remind yourself of prominent design principles. Principles of Design Quick Reference Poster Keywords: Media, Photos & Images, Presentations, Publishing, Visual Design

WorldCat

(**+3** rating, **3** votes, **rated**)
2849 views
Search for library items accessible throughout the world. "Find what you want in a library near you

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for Lifelong Learning and Success
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#EmTechMOOC
Add a Tool
Modify a Tool
#EmTechWIKI Guidelines
#EmTechWIKI Instructions
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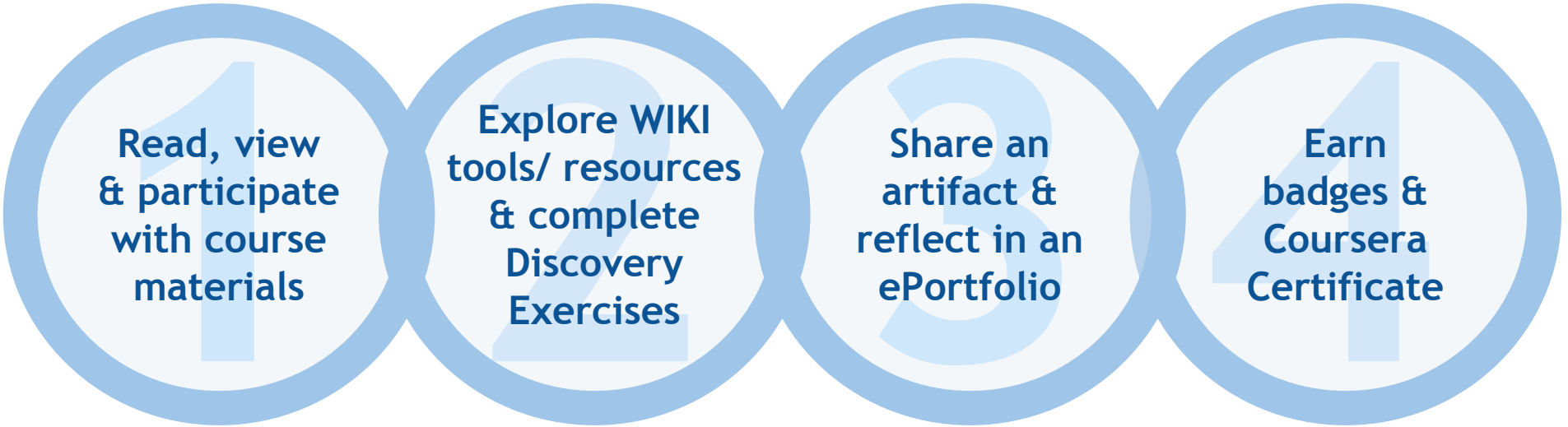
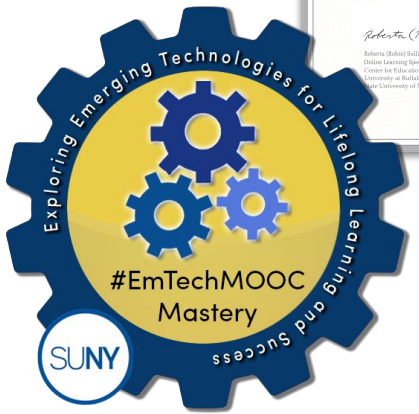
Apply Filters
Objectives
Categories
Sort Highest Rated
Sort by Popularity
Search All Modules
Search...
Go
Reset Search Options
(2 votes, average: 2.50 out of 5, rated)
39 views

Learning process...



Learning process...

- A Personal ePortfolio
- Digital badges
- Coursera Certificate of Completion
- Intrinsic rewards of being a lifelong learner!



Mapping #EmTechMOOC's Global Reach

18,122 Learners

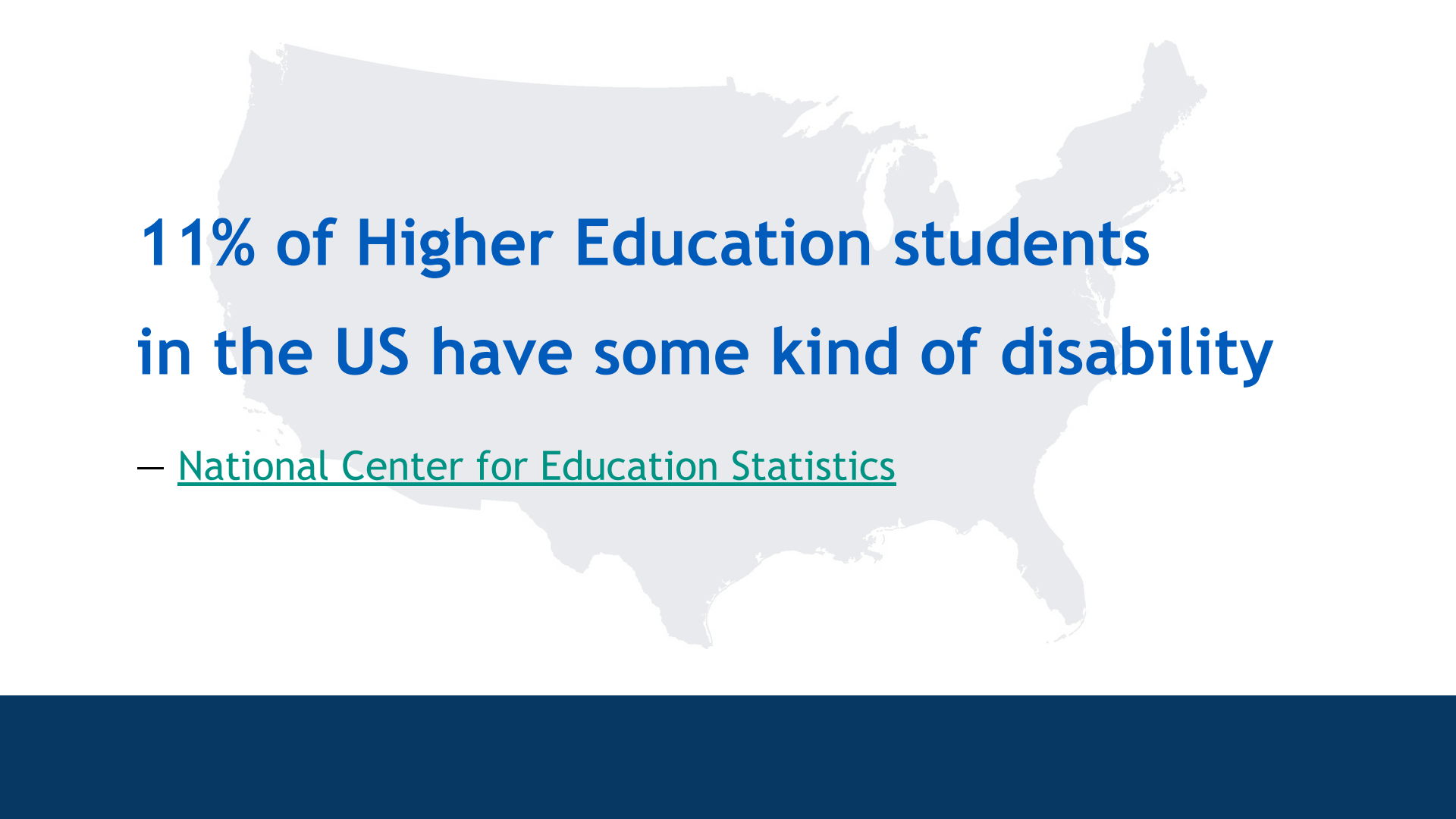
Non-scientific mapping of enrollments as of 6/14/20

What is accessibility?

Nationwide, colleges and universities embrace the idea of a **diverse student body, inclusive of students with disabilities.**

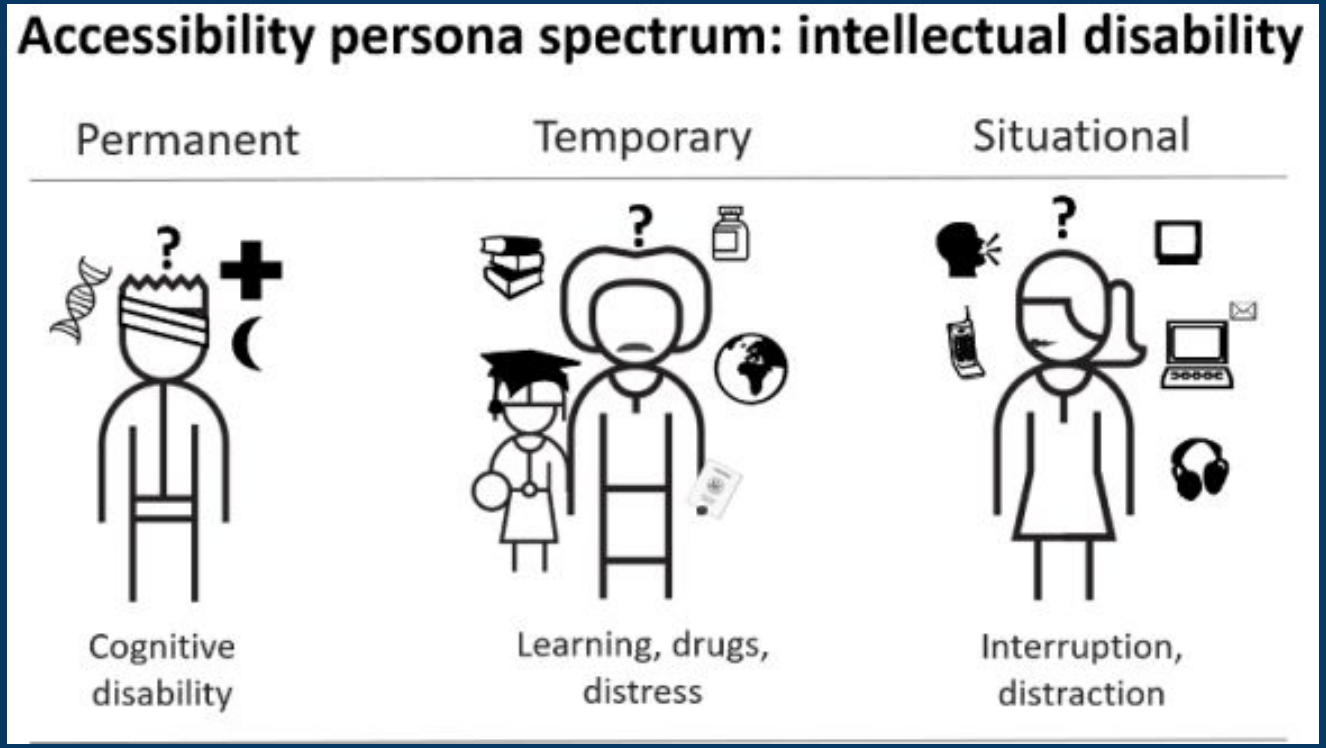
But creating a campus that is physically and technologically accessible to students with disabilities takes **leadership, planning, and commitment**.

National Federation of the Blind



11% of Higher Education students in the US have some kind of disability

— National Center for Education Statistics



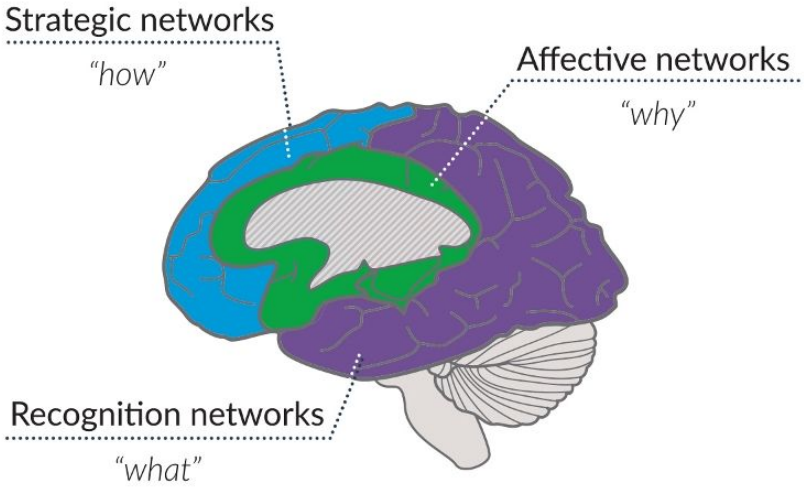
The accessibility persona spectrum and intellectual disability - August 30, 2019, Christopher Madden

Universal Design for Learning (UDL)

Design and deliver media in multiple formats

Provide multiple means of:

- engagement
- action and expression
- representation



Universal Design for Learning in Higher Education (CAST)

Universal Design for Learning (UDL)

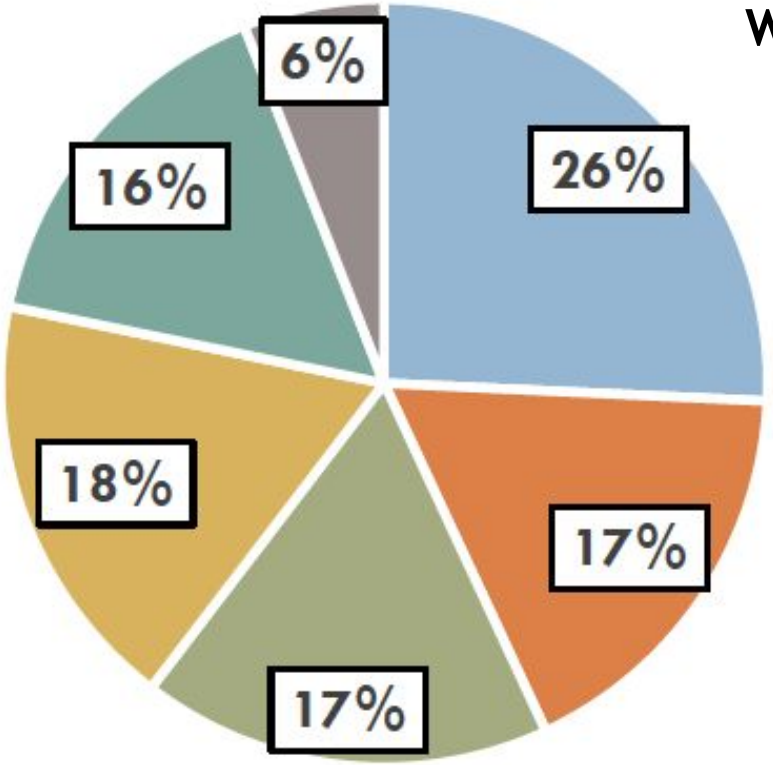
Faculty need to share universally designed course content, in addition to recorded and live video!

- Provide PPT with detailed speaker notes
- Transcripts
- Outlines
- and audio files as well

Format	Barrier	Accessible Alternative
Printed text	Incompatible with screen readers used by blind/low vision students & students with learning disabilities (LD)	Supplement with audio
Audio	Hearing impaired students may not hear it; students with LD (auditory processing) may have difficulty understanding it	Supplement with printed text
Video	Blind/low vision students may not see it; hearing impaired students may not hear it; students with LD (auditory processing) may have difficulty understanding it	Provide description, captions or written transcript
Picture	Blind/low vision students may not see it	Add text that fully describes the image.
Synchronous discussion	Blind/low vision students, students with LD & ADHD, students with medical/physical & psychological disabilities may have difficulty following & keeping up	Use asynchronous format for all or some discussions to allow more time for processing & responding
Tests/Quizzes	Many students with disabilities have slower processing speed that impacts performance (e.g., LD and ADHD, medical/ physical & psychological, blind/low vision, hearing impaired)	Provide extended time; Supplement with audio; Provide large text size option

Improving Access: Best Practices for Developing Course Materials with an Online Component - Towson University

10% of UB Students Use Assistive Technology



What assistive technology do you use, if any?

- Screen readers
- Screen magnification software
- OCR/reading solutions
- Speech recognition applications
- Hands-free, speech-free input devices
- Other

2017 UBIT Student Survey

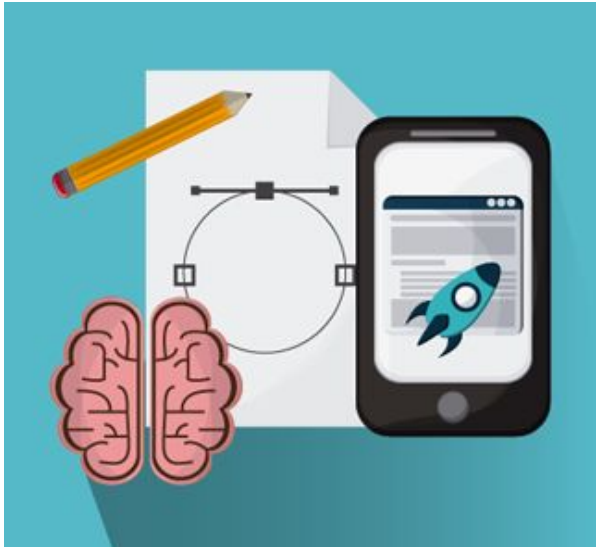
Web 2.0 Tools - Accessibility Score Card

developed by Wendy Torres

Senior Instructional Technologist
Coppin State University

Scorecard:

http://bit.ly/web20scorecard



Web 2.0 Tool Accessibility Report

Creative Commons License (Creator: Wendy Torres)

1. Can the tool be **navigated and used with only a keyboard**?

3. Does it have **captioning/transcription** option?

8. Does the tool **rely on color to convey meaning** to the user?

9. Can the tool **work on any Internet Enabled device**?

14. Current **Voluntary Product Accessibility Template (VPAT)**?

Selected EmtechWIKI Resources

Live Captioning Without A Budget

- Webcaptioner
- Google Slides
- PPT365 Live-captioning

How Closed Captions Benefit All Students

- Youtube - Edit Captions

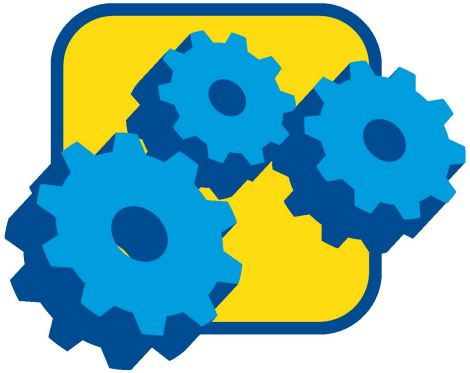
8 Best PDF Editors

Dictation software

- Google Docs Voice Typing (Web)
- Read&Write for Google Chrome

SUNY FACT2 Online Accessibility

SiteImprove Accessibility Checker



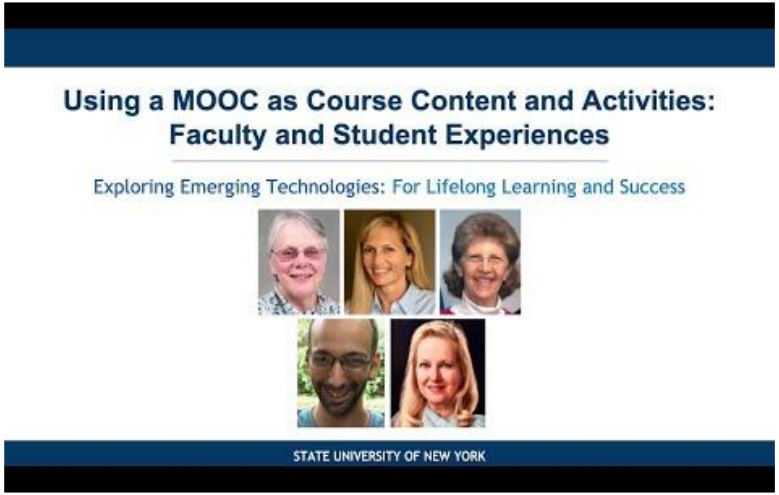
SUNY (#EmTechMOOC)

SUNY CIT Webinar Recording

How faculty use #EmTechMOOC

for themselves &

with their students



https://youtu.be/qMoaNedCilA (1 htr)

Share info with your campus

http://suny.edu/emtech

Email & social media announcements

- Flyers
- Small takeaways

(1 min. video trailer)
http://bit.ly/emtech-trailer

Accessible learning for all –

What a concept!

Thank you!

#EmTechMOOC

EMtechMOOC@gmail.com

Questions???