# Using Webinar Software for Low Vision Access in the Classroom – Presentation Outline (Attendees)

## Presentation Intro

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* 15th Annual Accessing Higher Ground Accessible Media, Web and Technology Conference (2012)
	+ Westminster, CO
	+ November 15, 2012 8:00am – 9:00am

## Background

* Purpose & motivation
* User population
	+ Low vision
	+ With or without additional assistive technology
* Concept and tool introduction
	+ Mirror what is being projected at the front of the classroom to the student’s laptop
	+ Currently using Adobe Connect
	+ Software designed for remote meetings
	+ “Meeting” is the “Classroom”
* Element of good fortune
	+ Evolution of webinar software & network
	+ Uniformity of classroom technology
	+ Viable tool supported on campus
* Evolution of solution
	+ Learning curve
	+ Early issues addressed by subsequent product updates
* Demo adjustments for presentation

## Disclaimers

* Promoting the concept & class of technology, not a specific product
* Cost and alternatives

## Introduction Demo

* Quick setup of instructor computer
* Quick setup of student computer (laptop & iOS)
* Attendee viewing
* Doc cam demo videos

## What it Works With

* + Win, Mac, iOS, Android, Linux\*
	+ Content… most anything you can view on instructor’s computer
		- Slides (PowerPoint, Keynote, HTML based)
		- Web pages
		- Videos (DVDs, mp4s, Youtube, etc.)
		- Interactive whiteboard
		- Software demo’s
		- Webcams
		- Document camera (with USB connection and capture software) for writing and stills
	+ NOTES:
		- \*Linux support
			* Full support in Connect 8
			* Can view Connect 9, host option expected in future service pack

## Solution Design Parameters – Overall

* Synchronized viewing system for student
* Use existing systems
* Supported on campus
* Cross-platform
* Ease of interface & acceptance
* Independent setup (no technician required)
* No timing/response requirement
* Entry order independence
* Meeting/room reuse
* Multiple logins
* Confidential
* Reliable
* Network connection resilience
* ‘Cool’ factor

## Solution Design Parameters – Student

* Minimal time impact – steps & launch time
* Quality images
* Minimal lag
* Displaying slides & other content
* Displaying videos (if possible)
* Full screen
* View only
* Option to use assistive technology
* Option for notetaking

## Solution Design Parameters - Faculty

* Flexible for range of tech skills
* Minimal install & training
* Minimal time impact – steps & launch time
* Security – for content & reliability

## Implementation - Global

* Accounts & licensing – host vs. non-host
* Creating shared template
* Faculty training & support system
* Individual student training & install

## Implementation – Each Course

* Determine course format & location
* Student decision whether to use the accommodation
* Checking classroom
	+ Network
	+ Power for student
	+ AV, doc cam
	+ Relocation if needed
* Faculty training & install
	+ No doc camera
	+ With doc camera
* Follow-up

## Faculty Training (Implementation)

* Now 15 to 60 min
	+ Was 45 min to 1:45
	+ Most of the initial issues have been addressed by new versions
* Meet in the course classroom or similar
* Install add-in
* Training and testing
* Install doc-camera software (if needed)
* Address course specific issues
* Answer questions

## Faculty Questions

* How long is this going to take for training?
* How long is this going to take each class?
* Can anyone else access this?
* Can they control my computer?
* Can they look at files on my computer?
* Can I use this with a student who had to go home to take care of her grandmother?
* Can I offer this to all students, as the screens in the room are too small?

## Limitations

* Chalk boards & white boards without digitization
	+ Strategies
* Pointing at screen not reflected on student’s laptop
* PowerPoint 2011 (Mac) ‘Presenter View’ doesn’t work
* Chrome browser can be problematic

## Lessons Learned

* Student preference varies
* Video worked better than anticipated
* Skill transferability
* Faculty time sensitivity
* Trainer expertise, training adjustments, faculty acceptance
* Guest speakers
* Faculty interested in other applications. Universal design?
* Addition of host option to iOS and Android apps

## Innovative Uses

* Faculty using computer as main presentation
	+ Switch to hosting from tablet for writing/sketches
* Students using tablets to view
* Sharing from a notetaker’s screen
* CART

## Viability of Other Products?

* Variety of screen share options
	+ Other webinar software
	+ Videoconferencing
	+ Screen sharing

## Other Demo’s

* Use with AT
* Student taking notes
* Other products
* Setting up a template

## Questions & Contact Info

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