* Trending Tech Tools: What’s New, What’s Improved, and What’s on the Horizon
* Rachel Kruzel, *ATP*
* *Accessing Higher Ground*
* *November 16th, 2018*
* Today’s Agenda
* Major assistive technology developments:
* Commonly used tools in higher ed
* No brand-new apps this year that were “wow-worthy”
* More features in mainstream products diversifying their tools
* Catching up with that specialize with feature
* Areas of Focus
* Reading/Literacy
* Writing
* Math
* Notetaking
* Accessibility
* Captioning
* Patterns of Assistive Technology Developments
* Technology companies are providing updates in “sprints”
* Past: large updates came out quarterly, bi-yearly, or yearly
* Now: smaller updates come out every 6-12 weeks
* Now: updates are continuous, products constantly changing
* Technology creators are vying for competition and limited market space
* “Keeping up with the Jones”
* Competition over features
* Users are winning as a result
* Visit the Reps!
* Representatives from some of these companies are in the Exhibit Hall
* Visit them, ask questions, try it out
* They have the newest information and programs and know their products best
* If not, reach out to the company after AHG
* Reading/Literacy Support
* texthelp – Read&Write
Other Updates
* Read&Write for Google Chrome:
* Offline voices – additional voice for online or offline use
* Screen Masking – customer driven feedback: additional colors, transparent option
* Translation – English description of other languages available
* Read&Write for Windows
* New voices: Italian, German, Polish, Scottish
* Read&Write for Mac
* Apple will release new OS – Mojave
* Ready with update and it is compatible!
* New Training Portal and Certification Program
* Level 1 & Level 2 for various programs and types of users
* texthelp – Teaser
* Additional texthelp updates for Writing and Math

Stay Tuned!

* Kurzweil – general updates
* Higher focus on adapting to the market
* Kurzweil version 16 for Macintosh and Windows released in June 2018
* Subscription gives access to all platforms
* Updates in to Windows and Mac
* Updated OCR Engine
* Updated Voices
* Bibliography creation in ML8 and/or APA format (some editions)
* Save a copy to Google Drive
* Speech-to-Text input for annotation of files
* Kurzweil – version 16
* Windows Update
* Support for Bookshare EPUB3
* Higher Ed Brainstorming Templates
* Embed images in Bubble Notes
* Macintosh Update
* Read the Web Preferences
* Column Notes
* Spell check/word prediction in Brainstorm/Outline
* Selection of PDF page ranges
* Kurzweil – Read the Web
* Read ePubs in VitalSource
* Translate full passages
* Better support for Google Docs
* Read Alternative Text
* Microsoft – Immersive Reader
* Comic Sans font now supported in Immersive Reader
* More closely mimics handwriting and letter styles in education

Comic Sans font in Immersive Reader

photo courtesy of Microsoft

* Microsoft – Immersive Reader 2
* 4 new languages for syllables and parts of speech in Immersive Reader
* Nynorsk
* Japanese
* Polish
* Korean
* Translate pages into
languages in OneNote
for Windows 10

Nynorsk syllables and parts of speech

photo courtesy of Microsoft

* Microsoft – Line Focus
* Line Focus is a new tool released in Fall, 2017
* Word Online, OneNote Online, One for Windows 10, and iPad
* Tool is now available in Word Desktop
* Fall 2018 release
* Single, 3, or 5 lines available for supported reading
* Helps sustain and focus attention
* Located within the Immersive Reader Learning Tools
* Line Focus – Immersive Reader

Line Focus in Word Desktop
Photo courtesy of Microsoft

* Microsoft – Office Lens
* Page Theme color adjustments available in Office Lens Immersive Reader on iOS

Page theme colors in

Office Lens photo courtesy

of Microsoft

* Microsoft – Word for iPhone
* Read Aloud has been added to Word for iPhone
* Inclusive Classroom IT Admin Guide
* Shows you which features are available in which version of Microsoft Office and other apps
* IT Classroom IT Admin Guide: http://aka.ms/InclusiveDeployment
* Writing Support
* Read&Write – Check It
* Check It :
* Grammar
* Phonetic Spell Checker
* Capitalization
* Punctuation
* Verb tense
* Homophones
* & more!
* Underlines any found issues
in purple
* External Check It provides
explanation of errors
* Texthelp – Read&Write
* For Google:
* Click icon – errors in doc will be underlined
* For Windows and Mac:
* Works within Microsoft Word, other programs, web browsers
* Word: Click Check It button to check document
* Other programs, web browsers: Select text, click icon, external Check It window opens
* Replaces ‘Spell Check’ and ‘Similar Word Checker’
* Google – AI Grammar Checker
* Released to Early Adopter Program in late July
* Not currently released widely
* Underline Grammar suggestions in blue
* Spelling suggestions underlined in red
* Pop up menu in upper right corner with suggestions
* Google – Grammar Checker
* Microsoft - Dictate
* Dictate began as a Microsoft Garage project available in summer 2017
* Manually add to programs
* Dictate will be available in Office Suite tools automatically
* Available in browsers first, then trickled down to desktop versions of tools
* Cloud-based – must be connected to the internet
* Dragon Dictate for Mac
* Dragon for Mac OS X has been discontinued
* Dragon Professional Individual for Mac
* Support has been discontinued
* Software will still function
* No future updates
* No good alternative
* Voice Recognition in Apple OS inferior
* Learning curve, mistakes, vocabulary, foreign names, jargon
* APIs prevent full use of Apple hardware to create product
* Math Support
* texthelp – EquatIO
* Digital Math tool by Texthelp
* Allows users to create digital math
* Reads math aloud
* Biggest math development in years
* texthelp – EquatIO cont.
* Windows, Mac, and Google Platforms
* Screenshot Reader read math aloud
* PDF Reader within Read&Write for Google Chrome compatible with EquatIO
* Integration into your LMS (Canvas currently, more to come later)
* Reads math French in EquatIO for Google
* Ability to add math into PDF files
* Dictation, handwriting, etc.
* texthelp – EquatIO cont. 2
* EquatIO for Google and Read&Write for Google Chrome PDF Reader - integration
* Ability to add math into static PDF files
* Open math worksheet with PDF Reader
* Click EquatIO for Chrome Extension
* EquatIO will open on bottom of screen
* Dictation, handwriting, etc. available to add into PDFs digitally
* \*\* Can have tests or worksheets read a loud by Screenshot Reader
* Notetaking Support
* Livescribe Aegir Smartpens
* New Smartpens
* Aegir series
* Dolphin & Marlin
* Released this Fall 2018
* Aegir Smartpens – Physical Changed
* Teal and Purple (with more colors coming – blue and yellow/gold)
* One ounce in weight
* Same size as a ballpoint pen
* Bluetooth capability
* Moves content automatically from pen to companion program
* Livescribe+ app on Android, iOS, and updated desktop app (coming)
* 10-14 hours of battery life
* 90 minutes – 3 hours – battery charge time
* Aegir Smartpens – Recording Capability
* Recording done on Smartphone app
* Uses Smartphone microphone
* Replayed audio comes out of Smartphone
* Replay audio by touching on paper or by touching on Smartphone App
* Immediate transfer of content from pen to app in live time
* Aegir Smartpens – Capabilities
* 1200 pages of content recording ability
* Record audio through Livescribe+ app
* Converts handwritten notes to typed notes
* Includes sloppy handwriting
* Searchable notes capability
* Ability to create tags within your notes for structure and organization
* Recognized 22 languages for read time transcription
* Aegir Smartpens – Sharing Capacity
* Share notes in following formats:
* PDF
* Text
* Image
* Microsoft Word
* Distribute through variety of cloud services
* Evernote
* MS OneNote
* Google Drive
* Dropbox
* Sonocent – Audio Notetaker
* Audio Linking Feature
* Scribl
* Pin Points
* PDF Integration within the mobile app
* Import PDF slides or other documents
* Noteability App on iOS
* Handwriting Search
* Handwriting Converted to Text
* Side-by-Side view of Notes with Multi-Note feature
* Accessibility Support
* Accessibility Checker in Google Drive
* No accessibility checker in Google Drive (docs, sheets, slides)
* No plan on roadmap to build this into the program
* Best alternative: Grackle Suite
* Google refers users to this tool
* Grackle Suite
* Accessibility checker for
* Google Docs
* Google Sheets
* Google Slides
* Chrome Extension
* Runs a check on your document
* Program will coach you through fixing the accessibility errors
* With full version, export file to accessible PDF
* 1.25 million accessibility checks to date
* Grackle Suite - update
* New education pricing - $500 per year – no matter the size of your campus
* Kicking off campaign soon!
* Changing model of use
* Freemium version for 30 days
* After 30 days – run check, tell you what’s wrong, but won’t coach you through remediation
* Easy roll out
* IT Whitelists program for everyone in a domain
* Individual license prices is the same
* Email sales@grackledocs.com and mention AHG or visit their website
* Captioning Support
* ava
* On the fly captioning app
* iOS and Android
* Capability for captioning in following situations:
* One-on-One
* Groups (one or multiple devices in one or multiple locations)
* Captioning videos on the fly
* 85-95% accurate
* Understands context of conversation
* Self-corrects mistakes made in captions
* Save transcript of conversation, lecture, or video captions
* ava – Conversation Types
* One-on-One
* Using app on Smartphone or iPad
* User can read live captions from speaker
* Screen rotates towards reader
* Ability to type into screen and have text read aloud
* Group Conversations
* Group conversation on single phone or multiple phone
* Same or multiple locations
* Different voices of speaker are identified
* ava – Conversation Types cont.
* Classroom/Meeting Captioning
* Use wireless or Bluetooth mic
* Captions will show up within app
* User can highlight sentences of importance
* Can edit or delete text within screen
* Video/Audio Captions & Broadcast
* Use auxiliary jack
* Connect laptop to Smartphone
* Live captions in app
* Connect hardware piece with audio system
* Connects phone to audio system for live captions
* ava – Web Application
* Web application in development
* Works in conjunction with app (not standalone)
* Change screen color
* Change text size
* Text typed in web app shows up in mobile app in live time
* Easier to type on computer than in app
* ava – Ava Scribe
* Request in app
* Additional cost
* Remote human scribe will correct in live-time the automatic captions
* Higher accuracy, difficult content
* Only deaf person using service pay for minutes
* Those joining their conversation are free
* Live Captioning in PowerPoint and Google Slides
* PowerPoint:
* Create subtitles on PowerPoint presentation
* Create same language subtitles
* 60+ language translation options
* Google Slides:
* Early October 2018 release
* Transcribes speech in real-time onto slides in Google
* More countries and languages in the future
* Google Slides – Live Captioning
* Contact Me!

Rachel Kruzel, *ATP*

*RESNA Certified Assistive Technology Professional*

Assistive Technology & Accommodations Specialist

Augsburg University

Email: kruzel@augsburg.edu

Phone: 612-330-1353

Twitter: @rachelkruzel