

Shannon Lavey, MS, OTR

Assistive Technology Resource Center
Department of Occupational Therapy
Colorado State University

RECOMMENDED APPS IN SUPPORT OF STUDENTS IN HIGHER EDUCATION

PROFESSIONAL DEVELOPMENT INSTITUTE, JANUARY 2013

Background info

- ◎ Shannon Lavey, MS, OTR
 - Graduate of CSU's Occupational Therapy program
 - Service Coordinator at the Assistive Technology Resource Center at CSU
 - Coordinates and provides direct student services related to access of technology

Today's Agenda

- ⦿ Overview of the ATRC at CSU
- ⦿ Background Statistics
- ⦿ Built in Accessibility for iOS and Android
- ⦿ Recommended mobile apps for:
 - Reading
 - Writing
 - Note taking
 - Study Skills
 - Time Management and Organization

Assistive Technology Resource Center (ATRC)



ATRC Mission:

Ensuring equal access to technology and electronic information for CSU students and employees with disabilities as defined by the Americans with Disabilities Act and Sections 504 and 508 of the Rehabilitation Act.



Assistive Technology Resource Center (ATRC)

- Housed in the Department of OT
- Our staff: Occupational Therapists, OT graduate students, AT IT Coordinator
- The ATRC provides direct AT services and consultation on campus
- More and more students are seeking out apps that are similar to the AT they use
 - Majority of our students have iOS or Android devices

Students with disabilities who are benefitting from apps

⦿ Non-apparent disabilities

- Learning Disorders
- Traumatic Brain Injury
- Autism Spectrum
- Mental Health

⦿ Sensory

- Blind/low vision
- Hearing Impairment

⦿ Physical

- Neurological
- Orthopedic
- Cumulative Trauma

Universal Design and Universal Design for Learning

- Build in accessibility from the start
 - Examples: Curb cuts in city streets, ramps and automatic door openers, TV closed captions, ergonomic kitchen utensils
- For learning: give all students equal opportunities to learn and provide variety of learning styles and methods

Quotes from our students

- ⦿ “Vbookz PDF is user friendly and Read2Go is great for fun, current books. Using these apps makes life a little easier.” – Hailey
- ⦿ “The built-ins on my iPhone can do so much!” – Noah
- ⦿ “In addition to basic features such as calendars, email, messaging, Internet, dictionary, etc., I am using the iPad for reading, planning, and taking notes in class. I use apps like PDF Expert, Evernote, and Dropbox. The built-in dictation on the new iPad works very well.” -James
- ⦿ “The reading apps on my iPad are something I am particularly appreciative of...[they] match my learning style in that I can interact with the text by highlighting, annotating and looking up words. It's pretty neat!” - Lexie

Background Statistics

Adults ages 18 and older...

- 85% own cell phones, 45% own Smartphones
- 44% have an iPod or mp3 player
- 25% own a tablet
- 21% of Americans have read an e-book in the past year

(Pew Internet and American Life Project, 2012)

Most Popular Operating Systems



iOS



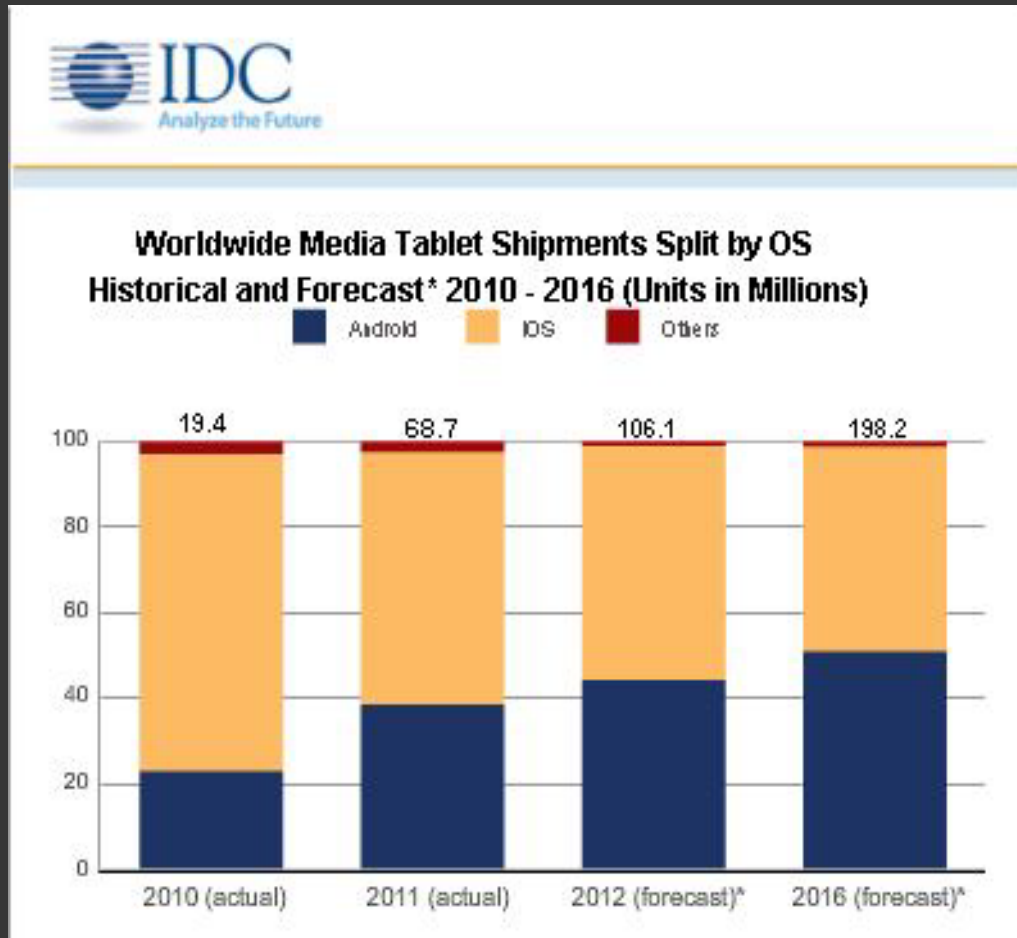
Android

The Current App Markets

- ◎ Android Market: Google Play
 - January 2013 app searches:
 - Reading = 85,320 apps available
 - Writing = 18,168 apps available
 - Note Taking = 1,918 apps available
- ◎ iOS Market: App Store
 - January 2013 app searches:
 - Reading = 5,347 apps available
 - Writing = 1, 234 apps available
 - Note Taking = 145 apps available

It's a changing market!

Worldwide Tablet Purchases



ATRC App Evaluation Criteria

- ⦿ High user ratings
- ⦿ Accessing Higher Ground (AHG) Conference in November 2011 and 2012
- ⦿ CSUN Conference 2012 (California State University Northridge Annual International Technology and Persons with Disabilities Conference)
- ⦿ Assistive Technology Partners
- ⦿ ATHEN's listserv and recommendations from other institutions
- ⦿ Occupational Therapy Practice (trade magazine)
- ⦿ ATRC Staff and student recommendations

Built-In Accessibility - iOS

- ⦿ General Settings > Accessibility
- ⦿ Divided by:
 - Vision
 - Hearing
 - Physical & Motor
 - Learning: Guided Access
- ⦿ Other built-in assists
 - Speak Selection
 - Dictionary
 - Safari Reader
 - Voice Recognition
 - Predictive Text Entry
 - Calendar, Reminders, Notes, Mail

Built-In Accessibility - Android

- ◎ Android (4.0 and above):
 - Text to speech engine
 - TalkBack, KickBack, SoundBack (screen reading)
 - Explore by Touch
 - Extra large text
 - Voice input
 - Calendar, Mail

Virtual Assistant Options

- ◎ iOS (Siri) and Android (Skyvi)
 - Voice texting and calling
 - Fast find and call for places
 - Get directions and weather updates
 - Update social media sites with voice

iOS apps for Reading

App Name	Price	Key Features	File Types
Read2Go	\$19.99	<ul style="list-style-type: none">• Text to speech• Direct access to Bookshare• Word highlighting	Daisy Braille (can connect via Bluetooth)
Learning Ally	Free w/ membership	<ul style="list-style-type: none">• Text to speech• Page/chapter navigation• Bookmark• Voiceover compatible	Daisy (human-voice recordings)
Good Reader	\$4.99	<ul style="list-style-type: none">• Annotate• Manage/transfer files• Zoom features	PDF and TXT files (also MS office files)
vBookz PDF	\$4.99	<ul style="list-style-type: none">• Text to speech• Navigation tools	PDF
Voice Dream Reader	\$9.99	<ul style="list-style-type: none">• Text to speech• Adjust voices, speed, colors	PDF, ePub, MS Word & PPT, Plain Text
ZoomReader	\$19.99	<ul style="list-style-type: none">• OCR and magnify text• TTS, adjust color	Text that can be view with camera

iOS apps for Writing

App Name	Price	Key Features
iThoughts HD	\$9.99	<ul style="list-style-type: none">• Mind mapping tool• Create lists, add images, link topics
Dragon Dictation	Free	<ul style="list-style-type: none">• Voice dictation software• Use to set reminders, email or connect to social media
Brevity	\$.99	<ul style="list-style-type: none">• Text prediction• Auto-expansion• Copy and send text to other applications
d2uTranscriber: Dictation and Transcription	Free	<ul style="list-style-type: none">• Recorded files can be uploaded for transcription• Record, edit, and review files

iOS apps for Note Taking

App Name	Price	Key Features
Notability	\$1.99	<ul style="list-style-type: none">• Word-process and link audio notes• Integrate typing, recording, and PDF annotation
AudioNote	\$4.99	<ul style="list-style-type: none">• Sync typed notes and drawings with audio• Review notes in iTunes• Index notes
Evernote	Free	<ul style="list-style-type: none">• Keep track of files across devices• Record audio notes• Share notes, file notes
iTalk Recorder	Free	<ul style="list-style-type: none">• Easy interface with large red button• Email notes directly from app
Diigo	Free	<ul style="list-style-type: none">• Bookmark, archive, annotate notes• Access notes anywhere from Diigo website

iOS apps for Study Skills

App Name	Price	Key Features
Flashcards	Free	<ul style="list-style-type: none">• Create your own flashcards• Share flashcards through Dropbox
myHomework	Free	<ul style="list-style-type: none">• Keep track of assignments, tests, classes• Sync and access homework on web
STUDYBLUE	Free + upgrades for additional features	<ul style="list-style-type: none">• Make flashcards, use templates• Reminders to study• Tracks and saves progress• Message classmates

iOS apps for Organization and Time Management

App Name	Price	Key Features
Remember the Milk	Free	<ul style="list-style-type: none">• Organize lists by due dates and tags• Add and complete tasks on the go• Reminders via email and messaging
iProcrastinate	\$0.99	<ul style="list-style-type: none">• Prioritize tasks and due dates• Break tasks down to track progress
reQall	Free	<ul style="list-style-type: none">• Gather and manage tasks• Create to-do lists and save by tags• Alerts to time and place

iOS Demos

- Demos
- Which apps do your students use?

Android apps for Reading

App Name	Price	Key Features	File Types
EZ PDF Reader	\$3.99	<ul style="list-style-type: none">Annotate PDFsChange font and colorText to speech, text reflow	PDF, basic epub
FB Reader	Free	<ul style="list-style-type: none">E book reader, TTS PluginAdjust visual settingsIntegrated external dictionary	epub, rtf, fb2(.zip), mobi, txt
Speed Reader	Free	<ul style="list-style-type: none">Flashes one wordAdjust WPM and colorsSimilar to Rapid Reader	.txt,.pdf, .epub, .html, .xml
GoRead	Free	<ul style="list-style-type: none">Direct access to Bookshare (membership required)TTS , navigation	DAISY, epub 2
Darwin Reader	\$14.95	<ul style="list-style-type: none">Access to BookshareTTS, navigation	DAISY
Google Goggles	Free	<ul style="list-style-type: none">Scan text using OCRAdd to contacts, search the web	Text viewed w/camera
Magnificent Magnifier	Free	<ul style="list-style-type: none">Magnify images/text with camera	Text viewed w/camera

Android Apps for Writing

App Name	Price	Key Features
Mindjet	Free	<ul style="list-style-type: none">• Mind mapping tool• Create notes, and add links/pictures to topics• Dropbox support
Spell Checker (+ voice input)	Free	<ul style="list-style-type: none">• Check and correct spelling• Send text by email or copy/paste• Input text by voice
Catch Notes	Free	<ul style="list-style-type: none">• Capture ideas instantly by voice, text notes, and photos• Share notes to collaborate• Set reminders, spell check

Android apps for Note Taking

App Name	Price	Key Feature
Sync Voice Note	Free	<ul style="list-style-type: none">• Synchronize notes with audio• Corresponding line highlighted during playback
Tape-A-Talk	Free	<ul style="list-style-type: none">• High quality and simple to use• Records when display is off• Upload to other services like Dropbox
PenSupremacy	\$1.49	<ul style="list-style-type: none">• For people who can write faster than typing• Write notes, save sketches and ideas• Save notes as a PDF and share

Android apps for Study Skills

App Name	Price	Key Features
AnkiDroid	Free	<ul style="list-style-type: none">• Create flashcards or download free decks• Add text, images, sounds, LaTeX• Spaced-repetition, timed• TTS and dictionary integration• Sync with AnkiWeb
AnyMemo Free	Free	<ul style="list-style-type: none">• Flashcards, advanced spaced-repetition• TTS, MP3/OGG/WAV audio• Dropbox support• Import from StudyStack, Quizlet
HomeWork	Free	<ul style="list-style-type: none">• List assignments and exams• Sort by date with counters• Define your own subjects/lessons

Android apps for Organization and Time Management

App Name	Price	Key Features
Evernote	Free	<ul style="list-style-type: none">• Create notes, voice reminders, photos, to do lists• Sync across all devices
ColorNote	Free	<ul style="list-style-type: none">• Easy to use notepad• Organize notes and checklists by color• Set reminders
Business Calendar	Free (\$4.99 upgrade)	<ul style="list-style-type: none">• Complete calendar app that syncs with Google calendar• Month, agenda, day, event view• Many options for adding events and reminders
Astrid	Free	<ul style="list-style-type: none">• Organize with lists, reminders, widgets, subtasks• Detailed options for repeat reminders• Divide up tasks and collaborate on projects• Sync on phone, tablet, and Astrid.com

Android Demos

- Demos
- Which apps do your students use?

ANY QUESTIONS?

THANK YOU!

Resources/Contacts:

ATRC at CSU Website:

<http://www.atrc.colostate.edu>

Shannon Lavey

shannon.lavey@colostate.edu

(970) 491-4241

References

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