

Accessibility in Mobile Devices: Updates from the Field



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Updates: iOS 12 demonstration

1. **Siri short-cuts**
 - a. **How to access it:**
 - b. **How can you use it:**
2. **Screen capture capability**
 - a. **How to access it:**
 - b. **How can you use it:**



Android updates: Google home and google assistant! (Ok, Google!)

- **Voice control: better than SIRI - answers questions rather than just pulling up web pages.**
- **Personal use: Research, teaching ideas, personal calendar (and my favorite - shopping list)**
- **Professional use: Helps with executive functioning (organizing, planning, scheduling)**



Microsoft Learning Tools



Enhanced dictation

Improves authoring text

Line focus

Sustains attention and improves reading speed

Immersive reading

Improves comprehension and sustains attention

Adjustable line and font spacing

Enhances reading speed by addressing "visual crowding"

Parts of speech

Supports grammar instruction and comprehension

Syllabification

Targets word recognition and pronunciation

Comprehension mode

Improves comprehension by an average of 10%

More accessibility ideas using Google home

- **Go to Settings - Services**
 - **Reminders: Homework help (calendar, manage grades, notifications for assignments)**
 - **Routines: Self regulation (manage stress, anxiety)**

Cool new tool! [Voice access](#)



The bottom line: iOS, Google, Android, Microsoft - all offering accessibility tools that improve daily living and education.

Our top four tools from the field!



Application: Our top four tools

- What they are
- Why we love them
- How we use them



1. Book creator - kids can share what they learn through the creation of an online book (demo)
2. Microsoft OneDrive App
3. Co-writer - extension for google chrome - Don Johnson's series
4. Read & Write google extension - new offline capabilities

Tool one:



BOOK CREATOR

- Comic strip templates
- Add photos, drawings, balloons
- Export to pdf
- Target several language needs

Tool two: OneDrive

Microsoft OneDrive App

- New scan feature - student scans in worksheet
- PDF created and saved to OneDrive
- Student opens PDF - presses pencil icon - annotates PDF (type and draw)
- Students can also annotate using speech to text feature on iPad
- Apple pencil and Logitech crayon easily integrated
- Work is automatically saved in OneDrive and shared via share folder with teacher
- NOTE: Teacher should create a shared folder in OneDrive where documents are scanned, annotated, and reviewed.

Tool three:



Grammar and vocabulary smart word prediction

Translation support

Helps unstick ideas (gets the flow going)

iPad Keyboard: Supports Topic Dictionaries and data collection.

Online: Any webpage

Google Chrome: Mac, Chromebook, Windows, etc.

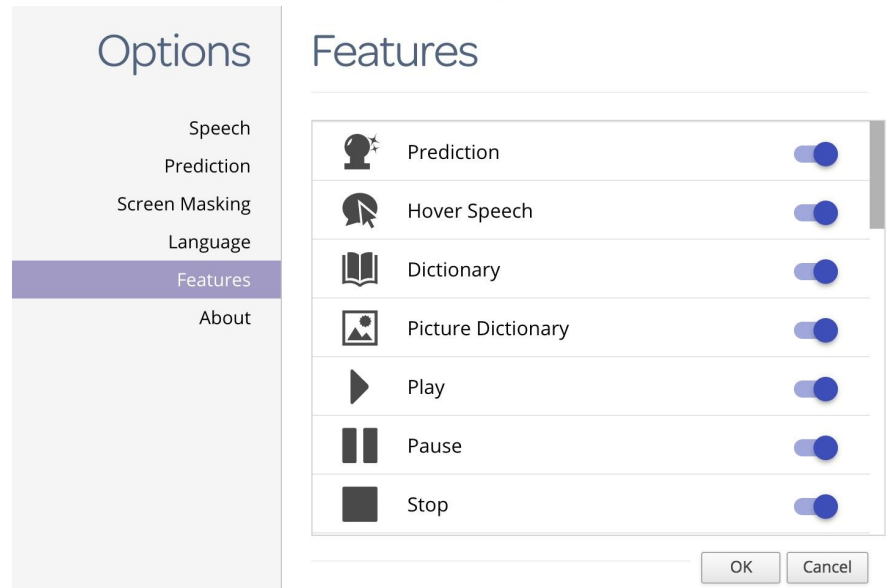
Integrates w/ Google Classroom and Google Drive

Tool four: 

read&write
for Google Chrome™

New features!

- Type&Talk for Google slides
- PDF reader in Google classroom
- More language options
- Improved text to speech on the web



The screenshot shows the 'Options' dialog box for read&write for Google Chrome. The 'Features' tab is selected in the left-hand menu. The main area displays a list of features with toggle switches, all of which are currently turned on. At the bottom right, there are 'OK' and 'Cancel' buttons.

Feature	Status
Prediction	On
Hover Speech	On
Dictionary	On
Picture Dictionary	On
Play	On
Pause	On
Stop	On

Tool five: QUIZIZZ

Interactive + engaging

Tailor to own needs

Insert your own pictures

Any device with internet (computer, tablet, phone, laptop)

Don't need login, just pin

Poll!

1. Of all the tools I learned about, the most interesting are:
 - a. iOS12 updates
 - b. Android tools
 - c. Google stuff
 - d. Office 365 accessibility
 - e. All of it
2. I would like to know more about:
 - a. Implementation strategies
 - b. Where to find updated information easily
 - c. Everything
3. I am interested in Chris and Jen developing a presentation on:
 - a. More Google extensions
 - b. Bring Your Own Device implementation
 - c. Another Speech Dude presentation
 - d. Other

Questions/Comments???

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Website resources for accessibility

1. For iOS12: a great tutorial on the Apple website
 - a. <http://www.apple.com/accessibility/ios/>
 - b. <http://www.apple.com/accessibility/resources/>
2. For Android: a great tutorial on the Google website
 - a. <http://www.google.com/accessibility/products/>
3. For Office 365:
 - a. Learning Tools: <https://tinyurl.com/y9mney24>
 - b. Products and features supported for learning tools:
<https://tinyurl.com/y922jrmq>
4. For Google:
 - a. Voice access: https://www.youtube.com/watch?v=apEz73_H2fU
 - b. Google accessibility:
<https://www.google.com/accessibility/products-features.html>
5. Individuals with Disabilities in Education Act (IDEA) 2004:
<http://www.asha.org/advocacy/federal/idea/>
6. Student-Environment-Task-Tool (SETT) framework: Framework for selecting AT resources for students: <http://joyzabala.com/Documents.html>
7. Accessible Technology Coalition: Great site that makes assistive technology understandable for everyone: <http://atcoalition.org/>
8. Center for Applied Special Technology (CAST): Guides for the quality of assistive technology services: <http://www.cast.org/>

9. Council for Exceptional Children: Advocates for appropriate governmental policies, sets professional standards, provides professional development, advocates for individuals with exceptionalities, and helps professionals obtain conditions and resources necessary for effective professional practice:
<http://www.cec.sped.org/>
10. Center for Accessible Technology: Provide information and resources to select the most appropriate technology to meet needs of persons with disabilities: www.cforat.org
11. Quality Indicators for Assistive Technology: Listserv of professionals, educators, vendors, and parents where information and help is shared nationwide and into Canada. <http://www.qiat.org/>
12. The Office of Civil Rights (OCR) ensures that individuals with disabilities have equal access and are free from discrimination. This site provides information on ADA and 504
<http://www2.ed.gov/about/offices/list/ocr/index.html>
13. Massive Google Doc – Jennifer’s ongoing project. Feel free to share with friends and colleagues!
https://docs.google.com/spreadsheets/d/1mFhU_c6tO8VN0xpr2NwfHH-1FD5hsPcTkUxxPWxlfA4/edit?usp=sharing