



**DON'T STOP THE LEARNING**  
ASSISTIVE TECHNOLOGY IN THE CLASSROOM

# WHY ASSISTIVE TECHNOLOGY?

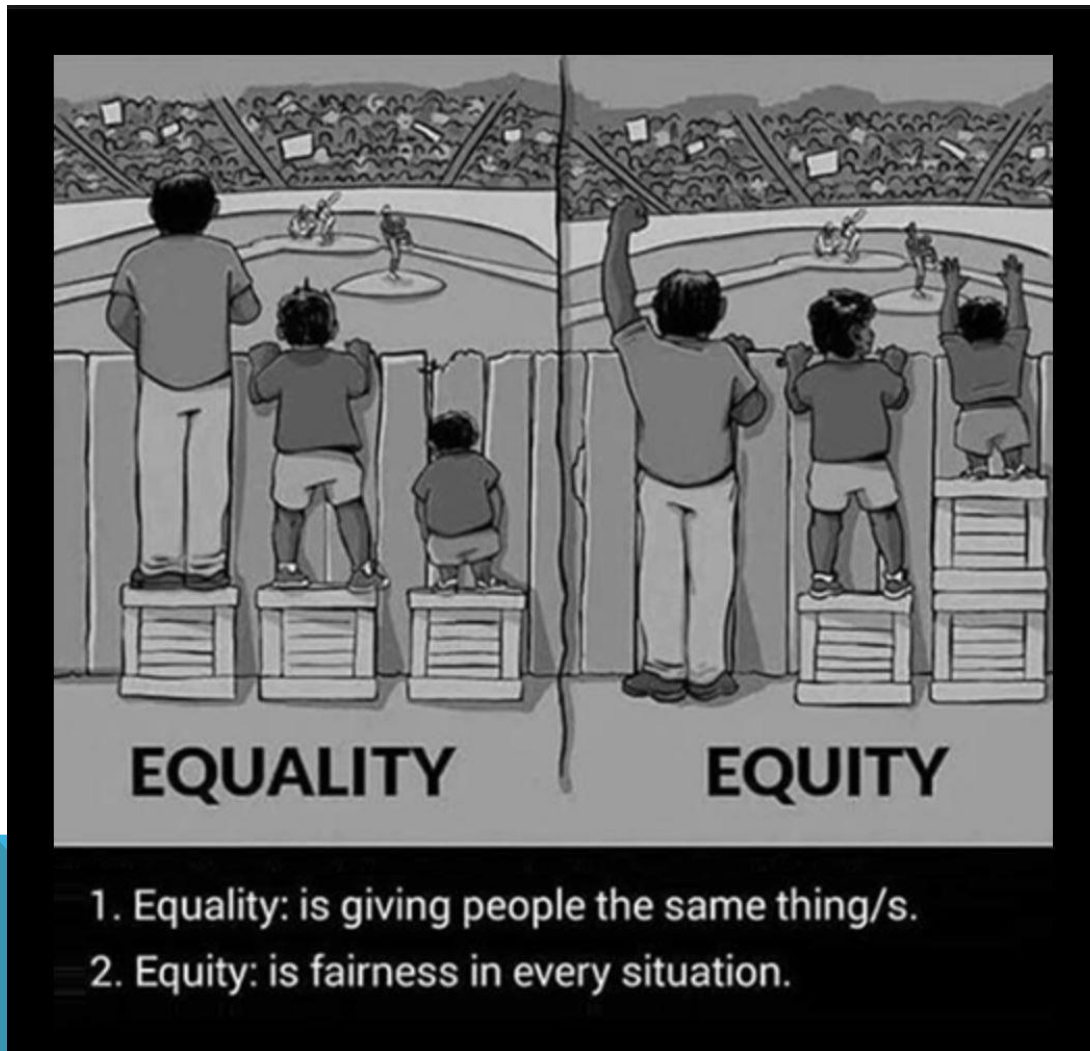
Assistive technology offers a way for dyslexics to save time and overcome some of the issues they may encounter because of their dyslexia, such as slow note taking or unreadable handwriting, and allows them to use their time for all the things in which they are gifted. For dyslexic students, technology opens doors and allows them to demonstrate their knowledge in ways that were unimaginable in the past.

***-Yale Center for Dyslexia***



THE YALE CENTER FOR  
DYSLEXIA & CREATIVITY

# ASSISTIVE TECHNOLOGY EQUALS THE PLAYING FIELD



# APPLE DEVICES

- **iPhone, iPad, mac computers**
  - Text to speech
  - Speech to text
  - Photos
  - Apps
  - Summery



# AUDIO BOOKS



## **Why Audiobooks:**

Audiobooks help students become better learners. For those who have trouble learning to read or struggle keeping up with coursework, audiobooks can be a powerful tool that supports improved reading comprehension, boosts confidence, increase vocabulary, saves time on schoolwork and leads to better grades.



For those who have trouble reading, audiobooks are a powerful tool that supports improved comprehension, boosts confidence and leads to better grades. Children & Adults with verified print disability qualify for learning ally.

- *Pros:* Text is highlighted as words are read. Books are read by volunteers and are not computer read. Over 80,000 books to choose from.
- *Cons:* Paid subscription is required and costs about \$120 a year



# Bookshare

Free online accessible library for the print disabled that is supported by the US department of education. Proof of print disability is required.

- *Pros:* Over 460,000 books to choose from. Free subscription. Follow along with highlighted text and enlarged fonts
- *Cons:* a computer generated voice reads the book, not human read.

## OTHER AUDIO BOOK SERVICES

- **State Librarys for the Deaf and Blind:** Audiobooks can be checked out after submitting an application, a doctors signature is required. Books are mailed out and a digital reading must be checked out to play the audiobooks.
- **Overdrive:** audiobooks can be checked out online through your local public library. There is not text, these are just audio books.
- **Audible:** Large selection of book. Monthly subscription fee. No text to read along with.





# APP'S

- **Voice dream reader:** A widely acclaimed desktop class app that reads articles, documents, and books out loud. With advanced text to speech and a highly configurable visual layout, it can be tailored to suit every reading style.
- **SnapType:** Helps students keep up with peers in class even when penmanship holds them back. Students can take a picture of their worksheet or import worksheets from their device. They can then use iOS device keyboard to add text to these documents and print or email them to their parents and teachers.



# APP'S

- **Prizmo**: a universal photo-based scanner app that lets you scan and recognize text documents and images and then export them as a pdf or other file. Text to speech is available with this app.
- **Claro ScanPen Reader**: take a photo of your printed text document, letter, test paper- then select the text with your finger and hear it spoken straight back to you, instantly. No internet connection necessary.



# GOOGLE CHROME APPs AND EXTENSIONS

• **Read and Write:** Read&Write for Google Chrome™ offers a range of powerful support tools to help students gain **confidence** with reading, writing, studying and research, including:

- Hear words, **passages**, or whole documents read aloud with easy-to-follow dual color highlighting
- See the meaning of words explained with text and picture dictionaries
- Hear text translated into other languages
- Get suggestions for the current or next word as you type
- Turn words into text as you speak
- Highlight text in documents or the web and collect for use in other documents
- Create and listen to voice notes directly inside of Google Docs
- Simplify and summarize text on web pages



# GOOGLE CHROME APPs AND EXTENSIONS

•**Ginger:** Perfect your English with Ginger Page – Contextual Grammar, Spell Checker, Synonyms, Translations and Dictionary!

Ginger Page for Chrome is the ultimate tool for writing, offering everything you need to write great English in your favorite websites.

It includes a full set of features to ensure that you make the most out of all of your written communications: Equally suited for both native and non-native English speakers, you can use Ginger Page to enhance your writing in business



# GOOGLE CHROME APPs AND EXTENSIONS

- Co:Writer:** Co:Writer Universal for Google Chrome uses grammar- and vocabulary-smart **word prediction** to help students better express their ideas in writing across devices. And now built-in **speech recognition** adds an entirely new way of getting ideas out!

- Just Read:** With one click (or less!), you can remove distractions like: The page's styling, Ads, Popups, Comments. And read the article in a customizable, simplified format - like a read mode but better! No login and completely free!

Users can: Use the default theme, Modify the default theme using a graphical, Auto-run Just Read format on specific sites, Use a keyboard shortcut to run Just Read, Print this simplified version of the article, Use the selection mode to choose exactly which text they want to select for reading. Use the deletion mode to remove any content they don't want there after the article has been opened in the Just Read format. Edit incorrect meta information generated Control which options Just Read uses.



# GOOGLE CHROME APPS AND EXTENSIONS

•**Scribe:** The scribe Toolbar Extension offers the best way to annotate, tag and share online articles and webpages and save them to your scribe Account. The Extension places a scribe Button to the right of your Address Bar. While browsing the Web, click the Button to load the scribe Toolbar on webpages and use it to: \* richly annotate articles with multiple styles (highlight, bold, underline, etc.) and colors to flag critical passages.

•**SpeakIt:** SpeakIt reads selected text using Text-to-Speech technology with language auto-detection. It can read text in more than 50 languages.

Usage:

- First select the text you want it to read.
- Then click the icon to start listening.
- When it is ready to read, the number of sentences is shown on the icon.
- To stop listening at any time click pause



# GOOGLE CHROME APPs AND EXTENSIONS

Google Docs

Text to speech

Google translate

Voice Note II



# SPEECH TO TEXT WITH WORD PREDICTION

- **Co-writer**: a writing tool that aids with phonetic/inventive spelling, grammar, and topic related vocabulary.
- **Dragon NaturallySpeaking**: Dragon speech recognition software is better than ever. Talk and your words appear on the screen. Say commands and your computer obeys. Dragon is 3x faster than typing and it's 99% accurate. Master Dragon right out of the box and start experiencing big productivity gains immediately.



**CO:Writer**<sup>®</sup>



**DRAGON**  
NATURALLY SPEAKING



# APP'S

- **Nessy**: Uses strategies and games that were first proved to be highly effective in the classroom, especially for students who don't seem to learn following conventional methods. It has been designed to be language-based, multisensory, structured, sequential, cumulative, cognitive, and flexible.
- **Dyslexia Toolbox**: For older kids with dyslexia. One feature is a type pad with word prediction software that can help kids create messages for text, email and social media. There's also a digital document reader that takes photos of text and reads them aloud.

