Making the Library Accessible with Technology

By John F. O’Sullivan
John F. O’Sullivan

• I am an educational technology and assistive technology author
• I work as a Assistive Technology Specialist and Librarian
Chelmsford High School Librarian
John F. O'Sullivan is a Librarian, an Assistive Technology Specialist and an author of several books on educational technology. His books include UDL Technology, The Teacher's Awesome App Guide, and Teaching Projects with Computers. He currently holds four certifications in education and has taught under each certification. He works for Chelmsford Public Schools at Chelmsford High School. He has worked in the past as a Special Education Teacher and Technology Integration Specialist.

The Educational Technology Guide 2018

very best educational technology the most comprehensive guide to
ology. With this book, you can find transform your classroom and

John F. O'Sullivan
@The_app_guide
Author: The Educational Technology Guide 2018, UDL Technology & The Teacher's Awesome App Guide, Librarian, AT Specialist, @MassCUE Social Media

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I wrote 5 books
My Websites

UDLTechnology.com
http://udltechnology.com/

TheEdTechGuide.com
http://theidtechguide.com/
Assistive Technology Phobic and Treatment Options
WHY do we want students to use assistive technology?
Executive Function
Google for Executive Function

Google Classroom

https://classroom.google.com/

Google Keep

https://keep.google.com/

Google Calendar

https://www.google.com/calendar

Google Drive

https://www.google.com/drive/
Note-taking

OneNote Microsoft

Google Keep Google

https://www.google.com/keep/

Google Keep can be used like a graphic organizers and it is user-friendly.
We start with a desire for change; technology shifts our behavior to render it reality.

Goals

- Operational efficiency
- Reliable expertise of security
- Efficient and productive collaboration
- Mobility access across devices

Vision

Artificial intelligence is intelligence exhibited by machines. In computer science, an ideal "intelligent" machine is a flexible rational agent that perceives its environment and takes actions that maximize its chance of
Text to Speech
Add Text to Speech to MS Word

Microsoft Word

Yes, Microsoft Word has free text to speech. The program will read anything you type. This is very helpful for editing. A number of people can do better editing if the document is read to them. You do have to go into the setting to find it.

Here are the directions to enable this:

http://bdmtech.blogspot.com/2011/12/add-quick-text-to-speech-button-t o.html
Add Text to Speech to MS Word the Video

https://www.youtube.com/watch?v=4pcYfW-zCek
Select and Speak Text to Speech Chrome Extension

https://chrome.google.com/webstore/detail/select-and-speak-text-to/gfjopfpjmkcfjgpogepmdjmcnihfpokn?hl=en

https://www.youtube.com/watch?v=tIFhfs0Ebg
Chromevox

https://www.chromevox.com/

https://www.chromevox.com/next.html

https://chrome.google.com/webstore/detail/chromevox/kgejglhpjiefppelpmljglcjbjhoiplfn?hl=en
How to enable Speak Selection on iPhone and iPad

Library Databases

You will find the major databases will read the articles to you. The feature are built in and free.

http://www.galepages.com/mlin_n_chelhigh/all

EBSCO Text to speech

Speech to Text
How to use Google Voice Typing in Google Docs

Note: You must use the Chrome browser.
Google Voice Typing

https://www.youtube.com/watch?v=S0UZ_smHc4o

When that's done we can type on screen without our fingers touching the keyboard. 2 pause we need to click the red microphone.

Once Upon a Time
Mac version is Called Dictation
Dictation iPad

Directions:

https://www.lifewire.com/use-ipad-voice-dictation-4103815

https://www.youtube.com/watch?v=JF6bSuRkJQ
Combine Dictation with a number of apps

SnapeType
Pages
Voice Dream Writer
Google Documents
Anything else that you add text to
Speech to Text Windows 7

https://support.microsoft.com/en-us/help/14199/windows-7-setting-speech-option
Word Prediction

When you smartphone suggests words it is called word prediction.
Read & Write Free for Teachers and Free 30 Day Trial for Chrome

30 Day free trial

Just fill out the form

Read Aloud Chrome Extension for text to speech

https://chrome.google.com/webstore/detail/read-aloud-a-text-to-spee/hdhinadidafiejdhmfkignolgimiaplphl=en

https://www.youtube.com/watch?v=ulJ6VYd99Ig
Audiobooks
Bookshare

Bookshare is library talking books.

You have to have a disability to qualify.

This would include a reading disability, visual impairment or a physical disability.

The service is free
Bookshare
Bookshare

- Bookshare Web Reader (Chrome extension)
  This tool will allow you to access Bookshare from your browser.
  https://www.bookshare.org/cms/help-center/reading-tools/webreader

- Dolphin EasyReader (Free app on iTunes and Google Play)

- Voice Dream Reader (Paid app on iTunes and Google Play)
Learning Ally

They have a massive collection of textbook that can be read to you.

You have to have a disability that makes it difficult for you to access print material.

This can be a reading disability, visual impairment, or a physical disability.

This is a subscription service with a per year cost.
Massachusetts Grant

https://learningally.org/Solutions-for-School/school-grants/Massachusetts

Rebecca Hatcher at rHatcher@LearningAlly.org
Learning Ally

Learning Ally Link

(Chrome extension and app)

https://chrome.google.com/webstore/detail/learning-ally-link/gdicnpbaekbefjanokchpfhnaphfnphl?hl=en-US


https://www.youtube.com/watch?v=ingLnabWb8k
OverDrive

Chelmsford OverDrive

Epic!

https://www.getepic.com/
PDF Readers

Texthelp PDF Reader

https://chrome.google.com/webstore/detail/texthelp-pdf-reader/feepmdlmhplaojabeoecaobfmibooaid?hl=en-GB
Accessibility Features Adobe Reader


There is a long list of accessibility features on Adobe Reader.
This website will make a ton of corrections on your work. There is a web browser version that will correct what you are writing and a Microsoft Word add-on. They also have a paid version. This is great for a college student or someone that needs help correcting their writing on a regular basis.

https://www.grammarly.com/

https://chrome.google.com/webstore/detail/grammarly-for-chrome/kbfnbcaeplbcioakkpcpgfkbkghlhen?hl=en
Grammarly Extension works with Google Documents

https://www.youtube.com/watch?v=MsYuM9yscog
Magnifying Glass w/ Light Pro

See It - Video Magnifier

iOS 11: Adding the Magnifier to Control Center
Document Cameras that Project onto iPads

iZiggiHD


HoverCam

http://www.thehovercam.com/
Using a TV as a monitor
Seeing AI FREE

Seeing AI

OCR Optical Character Recognition
Google OCR

https://cloud.google.com/vision/docs/ocr

https://www.youtube.com/watch?v=EFrPSDWB0LI

https://www.youtube.com/watch?v=4lApeCNK6lc
Voice Dream Scanner

https://itunes.apple.com/app/id1446737725
Closed Caption Slides

https://support.google.com/docs/answer/9109474?hl=en

https://www.youtube.com/watch?v=BstFsFNIT9M
Airbar

Turns your computer into a touch screen.

https://air.bar/
Every operating system as accessibility features.
Chrome with Accessibility Extensions

https://support.google.com/chrome/answer/7040464?hl=en
Accessibility Features in Firefox

Windows Accessibility

Windows 10

https://www.microsoft.com/en-us/accessibility/windows?activetab=pivot_1%3aprim aryr2

Windows 7

Apple Accessibility

https://www.apple.com/accessibility/

OS X Accessibility
Powerful features designed for people with disabilities come standard in every Mac. OS X technologies like VoiceOver, built-in braille support, and Switch Control help users navigate and control the Mac easily. And there’s no need to purchase additional software. Learn more >

iOS Accessibility
iOS is the world’s most advanced — and most accessible — mobile operating system. Innovative features like VoiceOver, Switch Control, and Guided Access help those with special needs enjoy more of what iPhone, iPad, and iPod touch have to offer. Learn more >
MassMatch

https://www.massmatch.org/inventory/