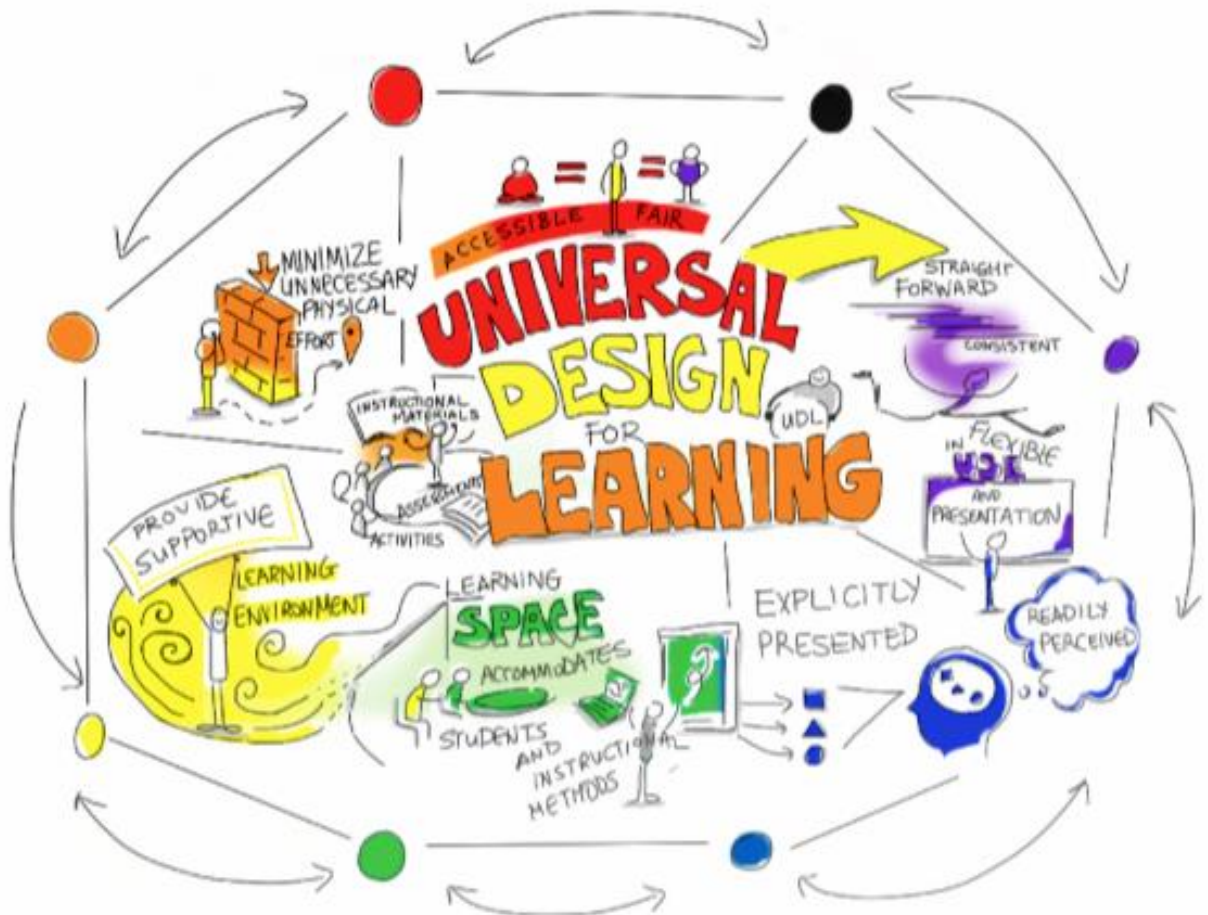


## Learning (Assistive) Technology

**What is it:** Assistive technology (AT) is any item, piece of equipment, software program, or product system that is used to increase, maintain, or improve the functional capabilities of people who have disabilities.

**Who should use it?** Anyone! Although this equipment is developed for people who have disabilities, the technology also helps support Universal Design for Learning (UDL). UDL is a framework that can be used to improve and optimize learning for all people, and is based on scientific insights into how humans learn. These are tools that can help make students better learners.



## Examples:

I'm having difficulty with reading comprehension, 'zoning out' while reading, or feeling like I read "really slowly."



Consider trying audio books, screen reader technology, or reading support software.

I'm writing a paper, but having a hard time with organizing my thoughts while writing, checking my sentence structure/grammar, or with my writing tone.



Try brain mapping, dictation software, or grammar software.

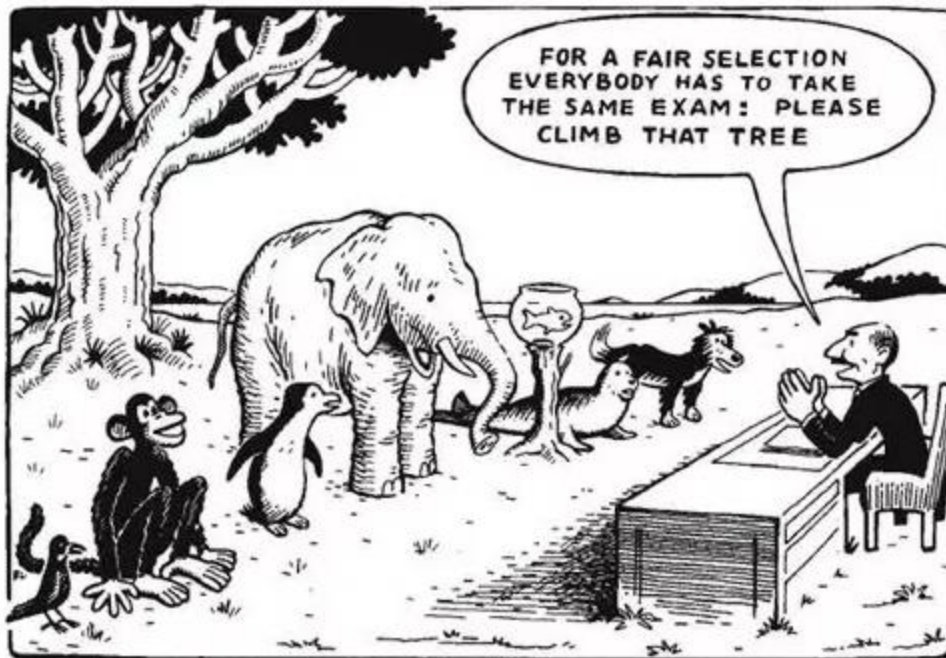
I'm feeling overwhelmed with my classes, being prepared, knowing when assignments are due, and with concentration.



Try using time management software, distraction free technology, and stress management software.

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## Reading and Literacy Support

Name	Features	Cost	Compatibility
Text2Speech.org <a href="http://www.text2speech.org/">http://www.text2speech.org/</a>	<ul style="list-style-type: none"> <li>-Enter text from any source and have it read out loud by this online resource</li> <li>-Ability to download file to an mp3 file</li> <li>-Customize voice and speed</li> <li>4000 character limit to text read</li> </ul>	Free	Online Resource
Spreed <a href="https://goo.gl/uHKNHO">https://goo.gl/uHKNHO</a>	<ul style="list-style-type: none"> <li>-Train yourself to increase your reading speed with Spreed</li> <li>-Import online articles and have them read at double or triple the speed</li> <li>-Spreed can train you to read between 200 and 400 words per minute</li> </ul>	Free	Chrome Extension
Speechify <a href="https://www.getspeechify.com/#download-options-section">https://www.getspeechify.com/#download-options-section</a>	<ul style="list-style-type: none"> <li>-Have text read out to you in natural-sounding human voices using AI technologies.</li> <li>-Upload documents into the application</li> <li>-Have your text read in a variety of languages</li> </ul>	Free	iOS iPhone Mac Android Online Resource
Readsy <a href="http://www.readsy.co/">http://www.readsy.co/</a>	<ul style="list-style-type: none"> <li>-Use Readsy to focus your eyes on one word at a time without having to move them while reading</li> <li>-Upload a PDF, txt or copy and paste text into the website to have it read in their Readsy interact</li> <li>-Use Readsys Redicle, or interface adjusts position of word for optimum viewing in your eyes and highlights one letter of each word in red to help focus your eyes</li> <li>-Increase reading speed and comprehension using Readsy</li> </ul>	Free	Online Resource
Rewordify <a href="http://rewordify.com">http://rewordify.com</a>	<ul style="list-style-type: none"> <li>-Rewordify replaces higher-level vocabulary with words that are easier to understand</li> <li>-Help build understanding within readings and builds vocabulary</li> <li>-Difficult words are replaced and highlighted</li> </ul>	Free	Online Resource

	-Click on the words that were replaced to see the original word in the text		
NaturalReader <a href="http://www.naturalreaders.com/">http://www.naturalreaders.com/</a>	-Text-to-Speech software which converts Microsoft Word, Webpages, PDFs, and Email into spoken text -Customize reading voice and speed for your readings -Floating toolbar to read text in other applications -Online Text-to-Speech program with options to input text from various sources on your computer	Free	Windows Mac OS Online Resource
CamScanner <a href="http://www.camscanner.net/">http://www.camscanner.net/</a>	-Use your camera phone to scan documents, notes, whiteboards, business cards or any other document -Use the Optical Character Recognition (OCR) feature to convert images to readable text -Add annotations to your scanned documents -Sync documents across devices	Free	iOS iPad iPhone Android
Balabolka <a href="http://www.cross-plus-a.com/balabolka.htm">http://www.cross-plus-a.com/balabolka.htm</a>	-Text-to-Speech program using the voices installed on your computer -Save online text as mP3, mP4, WAV, OGG or WMA file for portable or later listening -Reads documents from the clipboard or file types such as DOC, EPUB, HTML, PDF, RTF, and more -Customize the background color, font size, and reading options including pitch and rate	Free	Windows
Adobe Acrobat Reader <a href="http://help.adobe.com/">http://help.adobe.com/</a>	-Free PDF reader if PDF documents are readable PDFs -Listen to readings instead of reading them yourself -Tagged PDFs are read in order in structure tree, untagged are read in logical inferred reading order -Tagged PDFs will read alternative text descriptions	Free	Windows Mac OS

eBooks	Many (if not all) of your class books can be purchased as an eBook. This format will allow you to access the book as an audiobook.	Varies	N/A
VoiceOver <a href="https://help.apple.com/voiceover/mac/10.15/">https://help.apple.com/voiceover/mac/10.15/</a>	VoiceOver does more than tell you what's happening on your Mac. It helps you make things happen. It gives you auditory descriptions of each onscreen element and provides helpful hints along the way — whether you prefer using gestures, a keyboard, or a braille display. And it supports more than 35 languages, including multiple voice options.	Free	Built into Mac OS

## Writing Support

Name	Features	Cost	Compatibility
Co: Writer <a href="http://donsohnston.com/cowriterapp">http://donsohnston.com/cowriterapp</a>	<ul style="list-style-type: none"> <li>-Word Prediction app that gives you suggestions of words as you type with the option of reading your word options out loud with a swipe of your finger</li> <li>-Built-in text-to-speech reads back what you've typed</li> <li>-Grammar and spelling support</li> <li>-Export files to Dropbox, Google Drive, and other programs</li> <li>-Create topic dictionaries from websites and Wikipedia links</li> </ul>	Free trial, \$4.99/month	iOS iPad iPhone iPod touch
Fleksy <a href="http://fleksy.com/">http://fleksy.com/</a>	<ul style="list-style-type: none"> <li>-Increase your keyboard or text input system size to 114% the normal size increase ease of sight using this QWERTY keyboard</li> <li>-State-of-the-art system powerful enough for individuals who are blind or low vision to use by not needing to look at the screen to type</li> <li>-Powerful word prediction system and autocorrect system edits your text without the need to even see the keyboard</li> </ul>	Free	iOS iPad iPhone iPod touch Android
Grammarly <a href="https://www.grammarly.com/">https://www.grammarly.com/</a>	<ul style="list-style-type: none"> <li>-Eliminate writing mistakes and contextual errors, spelling errors, and poor vocabulary usage</li> <li>-Find the right word you are looking for with synonym suggestions</li> <li>-Learn from your mistakes to avoid them in the future</li> <li>-Grammarly works anywhere your Chrome browser in including emails, essays, social media posts and more</li> </ul>	Free and Premium version	Chrome Extension

<p>Son of a Citation Machine</p> <p><a href="http://citationmachine.net/index2.php">http://citationmachine.net/index2.php</a></p>	<ul style="list-style-type: none"><li>-Use this tool to create citations, works cited, and bibliographies</li><li>-Formatting options for MLA, APA, Chicago and Turabian</li><li>-Fill in the web form with the information from your resource and click "Make Citation"</li><li>-Citation will show up on your screen to copy into you document</li></ul>	Free	Online Resource
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## Notetaking Support

Name	Features	Cost	Compatibility
AudioNote* <a href="http://luminantsoftware.com/iphone/audionote">http://luminantsoftware.com/iphone/audionote</a>	<ul style="list-style-type: none"> <li>-Synchronize your notes with the audio recording of your lecture</li> <li>-Take hand-written</li> <li>-Import lecture slides as the background to your notes</li> </ul>	Free	Windows Mac iPad Android
Penquills <a href="https://www.penquills.com/about-penquills">https://www.penquills.com/about-penquills</a>	<ul style="list-style-type: none"> <li>-Take notes with your stylus or finger while handwriting recognition turns these notes into typed text</li> <li>-Recognition adapts, adjusts, and learns your style of writing over time</li> <li>-Built in spell check with custom dictionary, context analyzer, autocorrect, and Shorthand feature</li> <li>-Synchronize documents with Evernote, Dropbox, iTunes, Google Docs, Email and more!</li> </ul>	\$5.99	iOS iPad iPhone Android
SoundNote* <a href="http://soundnote.com/">http://soundnote.com/</a>	<ul style="list-style-type: none"> <li>-Type or write out your notes while the audio recording is synced to each word or pen stroke</li> <li>-Tap on the word and then the play button to playback what was being said at that moment in the audio recording</li> <li>-Share your audio recording and notes via email, Dropbox, or transfer directly to your computer</li> </ul>	\$4.99	Mac iOS iPad
Evernote <a href="http://evernote.com">http://evernote.com</a>	<ul style="list-style-type: none"> <li>-A one-stop place to collect notes, files, web clippings, and images with the ability to access them on virtually any device</li> <li>-Collect and find your information easily</li> <li>-Great tool for researching, planning events and everyday organizational use</li> <li>-Collaborate with others on projects using the sharing features</li> </ul>	Free	Windows Mac iOS iPad iPhone iPad Touch Android Windows Phone Blackberry Hp WebOS

*\*Students should not record lectures without approval from faculty. If students need this level of support, they are encouraged to contact Sara Sharpe Krenke, the Director of Accessibility Services, to discuss formal accommodations.*

### Dictation/ Speech-to-Text/ Speech Recognition

Name	Features	Cost	Compatibility
Dragon Dictation <a href="https://www.nuance.com/index.html?source=for-individuals">https://www.nuance.com/index.html?source=for-individuals</a>	<ul style="list-style-type: none"> <li>-Speech recognition software that recognizes your works and transcribes them</li> <li>-Dictate words into text messages, emails, social media, or paste into other apps and programs using the clipboard feature</li> <li>-Hands free, quick dictation for anyone on the go</li> </ul>	Free	iOS iPad iPhone iPod Touch
VoiceNote <a href="https://goo.gl/LVMywx">https://goo.gl/LVMywx</a>	<ul style="list-style-type: none"> <li>-Extension for Google Chrome that allows you to type by simply speaking out loud</li> <li>-Create a shortcut for easy use with other applications</li> <li>-Speak your punctuation or click the buttons to add it to the text</li> </ul>	Free	iOS iPad iPhone iPod Touch
Otter  Otter.ai	<ul style="list-style-type: none"> <li>-Dictation software that captures spoken words and dictates them into typing</li> <li>-Allows you to type by speaking out loud</li> </ul>	Free	Web Resource

### Mind Mapping/ Brainstorming Support

Name	Features	Cost	Compatibility
Idea Sketch <a href="http://www.nosleep.net/">http://www.nosleep.net/</a>	<ul style="list-style-type: none"> <li>-Draw and create mind maps, concept maps, and flow charts</li> <li>-Convert your diagram into a text outline, or outline and turn it into a concept/mind map</li> <li>-Use to brainstorm, illustrate concepts, make lists and outlines, plan presentation and create organizational charts</li> <li>-Import text into Idea Sketch and automatically create diagrams and outlines</li> <li>-Share your idea using email, Dropbox and other</li> </ul>	Free	Windows Mac iOS iPad iPhone iPad Touch Windows - Phone
Mindjet Maps (app) <a href="https://www.mapsforthat.com/">https://www.mapsforthat.com/</a>	<ul style="list-style-type: none"> <li>-Create visual mind maps to organize brainstorm, concepts, tasks, ideas, lecture or meeting notes, or action items</li> <li>-Easy to use gesture based commands</li> <li>-Mapping features include text styling, relationship, and various other tools</li> <li>-Integrate your maps to Dropbox for easy sharing</li> </ul>	Free	iOS iPad Android

### Study Skills and Aids

Name	Features	Cost	Compatibility
Study Blue <a href="https://www.studyblue.com">https://www.studyblue.com</a>	<ul style="list-style-type: none"> <li>-Study virtually any topic with this on-the-go flashcard study aid</li> <li>-Create your own flash cards or use one of the over 150 million notes and cards already created by other users</li> <li>-Test yourself and get your score of how many right and wrong, with the option to focus more on the items you don't know</li> <li>-Study on the go using your mobile device</li> </ul>	Free	Web iOS iPad iPhone iPod Touch Android
Shahi Visual Dictionary <a href="http://blachan.com/shahi/">http://blachan.com/shahi/</a>	<ul style="list-style-type: none"> <li>-Online picture dictionary great for anyone, or those with a visual learning preference or English Language Learners</li> <li>-Dictionary finds pictures from Flickr, Google and Yahoo</li> <li>Hyperlinked words in definition are easily able to be defined with pictures</li> </ul>	Free	Online Resource
iAnnotate <a href="http://www.branchfire.com/iannotate/">http://www.branchfire.com/iannotate/</a>	<ul style="list-style-type: none"> <li>-Annotate PDF, Word Doc, PowerPoint, and image files with this app</li> <li>-Use the typewriter, pen, highlighter, stamp, note, underline, photo, voice and other tools to annotate your document</li> <li>-Import PDFs or compress and export for secured sharing with others</li> </ul>	Free – Android \$9.99 - iOS	iOS iPad Android

### Organization and Task Management Support

Name	Features	Cost	Compatibility
inClass (app) <a href="http://www.inclassapp.com/">http://www.inclassapp.com/</a>	<ul style="list-style-type: none"> <li>-Keep track of all your courses and course tasks in one place</li> <li>-Reminders of when tasks are due</li> <li>-Take and share notes using text, videos, audio, or photo notes</li> <li>-Collaborate with classmates using StudyRoom feature</li> </ul>	Free	iOS iPad iPhone iPod Touch
myHomework (app) <a href="https://myhomeworkapp.com/">https://myhomeworkapp.com/</a>	<ul style="list-style-type: none"> <li>-Track your homework, tests, projects, and lessons</li> <li>-Set and receive reminders when assignments are due or tests are coming up</li> <li>-Set up your class schedule within the app</li> <li>-Synch your information with any of the available devices</li> </ul>	Free	Windows Chrome Extension iOS iPad iPhone Android Kindle
Priority Matrix (app) <a href="http://www.appfluence.com/">http://www.appfluence.com/</a>	<ul style="list-style-type: none"> <li>-Simple interface task management app using methods of time management to help manage priorities</li> <li>-Divide your tasks into one of four categories: Critical – Do Now; Critical but Not Urgent; Urgent but Can Be Delegated; Uncategorized</li> <li>-App includes visual icons, email reports, master list of daily or weekly action items and more</li> <li>-Ability to sync between devices and track your progress</li> </ul>	Free (basic)  Pro App (\$10/month)	Windows Mac iOS iPad iPhone iPad Touch Android
MyStudyLife (app) <a href="https://www.mystudylife.com/">https://www.mystudylife.com/</a>	<ul style="list-style-type: none"> <li>-Create an account to keep track of your school work, assignments, course, schedule and exams</li> <li>-Use the dashboard to schedule all your school related work</li> <li>-Cross platform allows for access to your organizer</li> <li>-Set Reminders to help ensure all your work is done on time</li> </ul>	Free	iOS Android Online Resource

## Time Management and Distraction Free

Name	Features	Cost	Compatibility
Cold Turkey <a href="https://getcoldturkey.com/">https://getcoldturkey.com/</a>	<ul style="list-style-type: none"> <li>-Block distracting websites</li> <li>-Set the websites you want blocked and for how long and go “cold turkey” from them</li> <li>-If the timer is still going, you won’t be able to access your blocked websites</li> <li>-Pro version provides blocking of Applications, White Listing, Break Intervals, and Frozen Turkey features</li> </ul>	Free	Windows Mac
SelfControl <a href="https://selfcontrolapp.com/">https://selfcontrolapp.com/</a>	<ul style="list-style-type: none"> <li>-Block your own access to distracting websites, mail servers, or anything on the internet using this downloadable program to your computer</li> <li>-Set a timer for the amount of time to block websites</li> <li>-If the timer is still going, you won’t be able to view or access these websites</li> </ul>	Free	Mac OS
30/30 <a href="http://3030.binaryhammer.com/">http://3030.binaryhammer.com/</a>	<ul style="list-style-type: none"> <li>-Create a task list and add a length of time to each task</li> <li>-Start the timer and when it’s time to move on to the next task it will alert you</li> <li>-Customize with colors, icons and labels</li> </ul>	Free	iOS iPad iPhone iPod Touch
TimeTracker <a href="http://goo.gl/uXKJgg">http://goo.gl/uXKJgg</a>	<ul style="list-style-type: none"> <li>-Track how long you’ve been off task in a website</li> <li>-A running time clock appears at the top of the tab you have opened counting how many minutes and seconds you’ve been in that website</li> </ul>	Free	Chrome Extension
Fokus <a href="http://goo.gl/pHjc3b">http://goo.gl/pHjc3b</a> or <a href="http://goo.gl/CZVhBw">http://goo.gl/CZVhBw</a>	<ul style="list-style-type: none"> <li>-Highlight only the text you want to read while Fokus dims and darkens the rest of your Chrome or Firefox window with an overlay</li> <li>-Highlights the paragraph you’re reading with the ability to change the opacity of the background overlay</li> <li>-Easy to install extension with the ability to turn the feature on or off</li> </ul>	Free	Chrome and Firefox Add-On

### Research Tools

Name	Features	Cost	Compatibility
Son of a Citation Machine <a href="http://citationmachine.net/index2.php">http://citationmachine.net/index2.php</a>	<ul style="list-style-type: none"> <li>-Use this tool to create citations, works cited, and bibliographies</li> <li>-Formatting options for MLA, APA, Chicago and Turabian</li> <li>-Fill in the web form with the information from your resource and click "Make Citation"</li> <li>-Citation will show up on your screen to copy into you document</li> </ul>	Free	Online Resource
The Assignment Calculator <a href="https://ctl.utsc.utoronto.ca/assignmentcal/">https://ctl.utsc.utoronto.ca/assignmentcal/</a>	<ul style="list-style-type: none"> <li>-Enter the assignment start date, due date, and pick the type of assignment is</li> <li>-Choose from research essay, literature review, critical review, annotated bibliography, lab report, presentation, analytical essay, poster presentation, personal statement, response paper, and graduate school application</li> <li>-Website will break down your assignment and give you a timeline for your project with deadlines for each step</li> </ul>	Free	Online Resource
Sweet Search <a href="http://www.sweetsearch.com/">http://www.sweetsearch.com/</a>	<ul style="list-style-type: none"> <li>-Search engine for students</li> <li>-Provides trustworthy site search results from the most relevant, pre-evaluated and approved sites on the internet</li> <li>-Find better information, faster from credible sources, such as primary sources while avoiding spam and marginal information sites</li> </ul>	Free	Online Resource

<p>Pocket</p> <p><a href="https://getpocket.com/">https://getpocket.com/</a></p>	<ul style="list-style-type: none"><li>-Save articles, videos, webpages, photos or anything you find online to read later using this app</li><li>-Content syncs across all devices for easy access, anywhere, anytime</li><li>-Simple, easy-to-use interface for great viewing</li><li>-</li></ul>	Free	Mac iOS iPad iPhone iPod Touch Android Kobo Extension for Chrome, Firefox, Internet Explorer, Safari, Windows Mobile, Kindle Fire
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### Stress Management and Relaxation

Name	Features	Cost	Compatibility
Unstuck <a href="https://www.unstuck.com/">https://www.unstuck.com/</a>	<ul style="list-style-type: none"> <li>-Put words to what you're feeling – figure out what kind of “stuck” you have</li> <li>-Using the app and website’s guided questions to lead you to figuring out what you are feeling and thinking</li> <li>-Strategies provided at the end to help you overcome your “stuck” moment</li> <li>-Create a free account to keep your stuck moments saved for reference later on</li> </ul>	Free	iOS iPad iPhone Android Online Resources
Breathing Zone (app)  Apple Store or Google Play	<ul style="list-style-type: none"> <li>-Mindfulness in 5 minutes</li> <li>-Using the app and follow along with the easy to follow breathing guide to lower breathing rate</li> <li>-Five calming guide sounds with visual component</li> <li>-Breathing Analyzer measures your breathing rate</li> <li>-Timed sessions for breathing mindfulness</li> </ul>	\$2.99	iOS iPad iPhone Android
Guided Mind (app)  <a href="http://goo.gl/Q0JC0o">http://goo.gl/Q0JC0o</a>	<ul style="list-style-type: none"> <li>-Relax and get guided through meditations on a variety of topics</li> <li>-Step-by-step voice guided meditation</li> <li>-Short (5 mins), medium (15 min) or long (30+ min) meditations</li> <li>-Instrumental, nature soundscapes, with looping for continuous play</li> <li>-Easy to use with instructions</li> </ul>	Free	iOS iPhone iPad iPod Touch

<sup>i</sup> Information gathered from

<https://www.augsburg.edu/class/groves/assistive-technology/everyone/>

<http://www.ldonline.org/article/6257/>

SSK February 2020