The Accessibility Toolbox Matrix Dan Herlihy

	Computer	iPad	Chromebook	Android
Scan & Read	Scanning directly into the program	- Prizmo - Scanning, OCR and Speech	Live Using a Document Camera:	- Text Fairy - free, take
	using a flatbed scanner	(9.99 plus 2.99 for each voice) Can	- Snap&Read Universal extension for	image, performs OCR,
	- Kurzweil 3000	adjust what the OCR sees as text	the Chrome browser with: Hovercam	will read loud but doesn't
	- Read & Write Gold	(editing underlying text) App runs OCR	T3, T5, Mini 5, Solo 8 - run document	highlight as it does, can
	- Premier Scan & Read	on the image <i>and produces a true PDF</i>	camera software from cloud -	create PDF
		document so PDF readers with TTS can	https://thehovercam.com/livecam -	- Claro ScanPen (free)
	Live Using a Document Camera:	highlight text and read aloud. App can	make sure you type https	take image, performs
These are	- Snap&Read Universal in the Chrome	also read text aloud by choosing Export,		OCR, select text with
programs or	browser with: Hovercam T5, Solo 8 -	choose Read Text Aloud. Turn off Detect	Snapverter - Chrome app from	finger to read loud
apps that can	run document camera software from:	Page option in Settings. Can send to	TextHelp - use in conjunction with	- TextGrabber &
scan a printed	https://thehovercam.com/livecam	Claro PDF. Also translate.	Read&Write for Google extension. Take	Translator (by ABBYY,
page into a		- Prizmo Go (free, in-app purchases -	picture of document with any device,	4.99) take picture of
computer,	- Kurzweil 3000 Image Reader tool -	take picture of page, runs OCR, TTS	drop file into Snapverter "Drop files here	page, crop, choose Read
display it	(PC version only) select Image	Speech	folder in Google Drive to convert (folder	(upper right) runs OCR
onscreen, or	Reader from the Read menu in	- Office Lens – (free) Take picture of	created by Snapverter in Google Drive).	and coverts to text. Open
take a picture	Kurzweil 3000 or from the Kurzweil	page, open within app into Immersive	Converts to PDF, saves in "Finished"	in apps such as Voice
of it then read	Taskbar, select text in the image	Reader to read aloud, export to	subfolder in Snapverter main folder.	Aloud Reader, Easy Text
the text aloud	displayed under the document camera	OneNote, Word, OneDrive, PPT, save	Open folder, right-click on file choose	to Speech Pro, Natural
using text to	to be read aloud (Hovercam T3, Mini	as PDF or Photo Library	Open In - either Google Docs or	Reader for TTS. Save to
speech	5, Solo 8)	- Claro ScanPen Reader (9.99) - take	Read&Write for Google - to use the	OneDrive via share icon
		picture of page, use finger to select text	reading, highlighting tools on the	in upper right of
	Office Lens (Windows 10 and Office	to be read aloud. Does not save text.	Read&Write for Google toolbar.	document. Good for quick
	365) use document camera to capture	Snap&Read - free with school		scan and read.
	image of printed page directly into	subscription to Snap&Read Universal,		-KNFB Reader (free) -
	Word, OneNote, OneDrive, then use	take picture of page, can select area to		designed for Android
	Immersive Reader (part of Learning	read, adjust text complexity, save scan		phones, take picture of
	Tools) to read aloud.	to photos		page, processes and
	Can use iPad/iPhone app to take	- Lectio (4.99) Scan, OCR, reads aloud		reads aloud
	picture of page, save to OneDrive and	any word selected in the document		
	open on computer in Office 365 to use	- Fine Scanner Pro: Scan and OCR		PDF Scanner:Document
	Immersive Reader to read aloud	(4.99) - take picture of page, uploads to		Scan+ OCR Free/4.88 -
		website to process for OCR (required to		take picture, OCR

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Scan & Read	- Read & Write Gold -	create a free account).		
	www.texthelp.com - can use	- knfbReader (99.00) take picture of		
	Screenshot Reader to select text in	page, runs OCR and reads back text.		
	documents to be read aloud. Can use	Image not saved as a PDF but high		
	with Hovercam T3, Mini 5, Solo 8,	quality and accuracy with TTS settings,		
	iPevo iZiggy HD Wireless document	highlighting options, voices.		
	cameras. Can't translate text under a	- OCR Scanner with Lead Tools (free)		
	live document camera window to	take picture, runs OCR and saves as a		
	another language.	PDF file to be read aloud using iPads		
		built in Read Selected Text option, or		
	To use launch Read & Write Gold,	export to PDF TTS readers		
	connect and launch the document	Kurzweil 3000 Web License -		
	camera software. Place a document	(subscription based) - logging into		
	under the camera, choose the	kurzweil3000.com with user log-in, has		
	Screenshot Reader tool and drag a	ability to take picture of page from		
	box around text on the page displayed	Computer menu, upload, processes and		
	under the document camera and	reads aloud, can and save.		
	release. The text will be processed	- Go Worksheet (free student app,		
	and read aloud.	19.99 to create files) take picture, add		
		interactivity, TTS, answer fields, drop		
		down choices, more		
Language	Kurzweil 3000 - www.kurzweiledu.com	- Prizmo - can scan and translate to	- Google Translate - free extension,	- Microsoft Translator
Translation	(Mac/PC)	other languages (9.99)	highlight then right-click on text	(free) – speak, type or
	- Read & Write Gold -	- Microsoft Translator (free) – speak,	-Instant Translate - free extension,	scan document for
	www.texthelp.com (Mac/PC)	type or scan document for translation,	highlight then use keyboard shortcut to	translation, can connect
	- Google Docs - choose Tools menu,	can connect to other devices for on the	translate	to other devices for on
	Translate Document to translate to	fly translation for multiple languages at		the fly translation for
	another language, Mac, PC,	once	-ImTranslator: Translator, Dictionary -	multiple languages at
	Chromebook - run from any web	- Voice Translator - on the fly	free extension, highlight then right-click	once
	browser	translation (4.99)	on text	iTranslate Voice (4.99)
	- Add Translator as an Add-in for	- 2 devices translator with speech to text	-TransOver - free extension, hover, click	iPad and Android version,
	OneDrive (www.onedrive.com)	(1.99) voice or text input, sends	or select to translate (with text-to	voice recognition and
	documents to translate selected text in	translated result to another device using	speech)	language translation
	documents (Mac/PC/Chromebook)	app via Bluetooth, internet access	-Translate for Drive, app, translate a	- ABBYY TextGrabber +
	- Microsoft Translator (free)	needed for translation - English, French,	document from Google Drive, PDF,	Translator - take picture
	integrated into Office 365, add-ons for	Spanish, German, Russian	TXT, DOC, DOCX, more	of printed text, performs
	OneDrive in Chromebook app, add-on	- Google Translate (free) voice	-Language Translator - app, paste in	OCR, translates, internet
Dan Herlihy	dherlihv@i	lino com	www.connectivetechnologysolutions.co	rom 2

	Computer	iPad	Chromebook	Android
Language Translation	for older versions of Office and Word, available for Edge browser Online: Google Translate - https://translate.google.com/ - Online dictionary & Thesaurus - http://translate.reference.com/ - Babylon - http://translation.babylon.com/ - imTranslator - http://imtranslator.net/translation/ - Bing Translator (Microsoft) https://www.bing.com/translator/	recognition to TTS, Word Lens built in - use camera to focus on page instant translation appears over page, handwriting option with a stylus - converts to text and translates - Kurzweil3000.com (log in for subscription, language translation for documents)	text for translation -igTranslator: Google™ Translator - extension, pop up translation, definition and TTS of selected word -Read & Write for Google - language translation of selected word in Google Docs and text on web pages using the browser toolbar Kurzweil3000.com (log in for subscription, language translation for documents)	connection required - Google Translate - free, requires internet connection, contains Word Lens option without internet - point camera at text for auto text conversion on the fly, import files, type text, voice recognition, TTS in converted language can use offline
Alternate Keyboards	- Babblefish - http://babblefish.com/ PC - On screen keyboard found in the Control Panel, Ease of Access (scalable, switch accessible) Click-N-Type (http://cnt.lakefolks.com) http://cnt.lakefolks.com/portable.htm Mac - download a keyboard as a dashboard widget. To activate the built-in keyboard: - System preferences - Keyboard - Make sure Keyboard tab is selected, choose Show Keyboard & Character Viewers in menu bar - In the menu bar at top of screen choose the keyboard icon, Show Keyboard Viewer	Download keyboards from the iTunes app store to your iPad - Open Settings on the iPad, choose General on the left, and Keyboard on the right - Choose Keyboards, Add New Keyboard - A list of any third-party keyboards you have downloaded will be listed. Select one from the list. It will be added to the currently installed keyboards. Keyboards on iTunes include Lowercase Keyboard (OpenDyslexic font keys) The Math Keyboard, MyScript Stylus (handwriting recognition) SuperKeys Assistive Keyboard, Read&Write for iPad, Keedogo Plus (color coded vowels, word prediction) Swype, MyScript Calculator, MyScript MathPad	On-screen keyboard found under Settings, Accessibility (contains voice recognition and word prediction) Google Input Tools (change language) Loderi (virtual keyboard, multiple languages)	Change keyboard under Settings, Language and Input Google Handwriting Input Math Keyboard Std Math Keyboard Big Keyboard, SwiftKey Keyboard with voice recognition and swype capability, Read&Write for Android (word prediction and a read button, can also toggle Open Dyslexic font for keys), Google Keyboard has voice recognition key Big Keyboard, A.I Type Tablet Keyboard (split keyboard, move, resize)

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Dictionaries & with Translation	http://www.wordreference.com/ http://www.collinsdictionary.com/ http://www.oxforddictionaries.com/us/ Kurzweil 3000 www.kurzweiledu.com Read & Write Gold www.texthelp.com Read:Aloud www.donjohnston.com WordQ http://www.goqsoftware.com	Spanish English Dictionary + Freemium (free, 4.99, other add-ons) Vietnamese English Dictionary Box + Word & Translator (free, 6.99, add-ons) Dictionary.com Dictionary & Thesaurus for iPad (free, add-ons) American Word Speller ESL Edition (3.99)	IMTranslator: Translation, Dictionary, TTS (extension) Translation & Dictionary (app) Google Dictionary (extension)	Dictionary.com (free) English Spanish Dictionary (free) Collins Spanish Dictionary Google Translate Dictionary - Merriam- Webster (free)
Level Text & Text Summary Tools	- Read&Write for Google (use in Chrome browser) - Snap&Read, Snap&Read Universal - Mac OS Summarize tool available in the "About this App" menu of most programs when activated. Go to System Preferences, Keyboard (Keyboard Shortcuts screen), Services, check Summarize under the Text category - Microsoft Word - finish checking the spelling and grammar choose to display information about the reading level of the document, including readability scores. The AutoSummary Tools can be added to the Quick Access toolbar by opening a document, choose the Customize Quick Access Toolbar drop down just to the right of the Office button (top left of document) - choose More Commands from list. Under Choose Commands from - change to All Commands, scroll down list choose AutoSummary Tools. Click Add button, click OK. It will be displayed on Quick Access Toolbar. Open a document, choose AutoSummary Tools and follow prompts.	- Summarize (free, listed under iPhone apps) - paste text, choose number of sentences to summarize in - Marvin (free/3.99) summarize text in eBooks - iSummarize (free) summarizes in 21 languages, text, files, web - Clipped (under iPhone apps - summarizes news articles) - Level It Books - (3.99) scan barcode or enter title, displays reading level - Literacy Leveler (3.99) scan barcode or enter title, displays reading level - Gist (1.99) summarizes URL articles or text - WrapltUp - Text Summarizer - Summary Scanner	Chrome Extensions & Sites: Read&Write for Google - tool is called Simplify Page on the R&W browser toolbar Snap&Read Universal - tool is called Dynamic Text Leveling on Snap&Read extension toolbar Clipped (summarize news article into bullet points - doesn't work on Readability pages) TLDR Article Summarizer (extension) summarizes text in main article on web pages Jen: The Tiered Web Page Generator www.tieredwebpages.com/examples Autosummarizer.com Readworks.com Rewordify.com Newsela.com- free, leveled current events articles TextCompactor.com tools4noobs.com/summarize	- Essential Summarizer - Summarizer App - Text Summarizer - SumIt! Text Summarizer

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Level Text & Text Summary Tools	Online: - Jen:The Tiered Web Page Generator www.tieredwebpages.com/examples - Autosummarizer.com - Readworks.com - Rewordify.com generate list of difficult words with dictionary definitions, wordbank quiz, cloze activities, more - Newsela.com- free, leveled current event articles - http://www.editcentral.com - underlines complex words and generate reading levels - Simplish.org - TextCompactor.com - tools4noobs.com/summarize - Textalyser.net - http://www.simplext.es/ (Spanish) - TLDR Article Summarizer (Chrome extension) summarizes main article			
Text to Speech in Writing programs	Read & Write Gold www.texthelp.com Kurzweil3000 www.kurzweiledu.com Clicker 7 www.cricksoft.com Natural Reader www.naturalreaders.com Read:OutLoud www.donjohnston.com WordQ www.goqsoftware.com/ Office 365 – all components have Immersive Reader, can install add-on in older versions of Word and Office	- Read&Write for iPad (keyboard free/19.99) - Co:Writer Universal (19.99) - iReadWrite (19.99) - Clicker Connect, Clicker Sentences (30.99) - AbiliPad (19.99) - iWordQ (24.99) - Turn on Speak Selected Text in the Accessibility Settings on the iPad - Kurzweil 3000 Web App (subscription based) Office 365 – access via OneDrive App all components have Immersive Reader via OneDrive app	- Read&Write for Google (subscription/free for teachers) - Snap&Read Universal (subscription) - Co:Writer Universal (subscription) - iSpeaklt (TTS by selecting text, activating extension) - Kurzweil 3000 Web App (subscription based) - Clicker Docs - Clicker Sentences - Clicker Connect - Office 365 (access via OneDrive App—all components have Immersive Reader	- Read&Write for Android (keyboard - TTS) read button on keyboard - Reading Buddy Plus - 4.99, TTS with picture dictionary lookup of selected word, copy/paste text in from other sources, reads aloud selected text highlighting word by word using OpenDyslexic font - Talkback - in Settings/Accessibility - similar to VoiceOver on iPad, reads aloud

	Computer	iPad	Chromebook	Android
				selected text on screen
OpenDyslexic Fonts	Free OpenDyslexic fonts: https://gumroad.com/l/OpenDyslexic# (install these fonts into the PC's System Fonts folder to make available in all word process programs.)	 Lowercase Keyboard (\$.99 - keyboard) Open Web (app, OpenDyslexic font in browser, free) Heavy Letters Wikipedia Reader (OpenDyslexic font) Read&Write for iPad (free/19.99) Superkeys (9.99) 	- OpenDyslexic (extension - converts fonts on web pages) - DyslexicReader (extension converts fonts on web pages) On-screen keyboard found in Accessibility Search on Chrome Store for Accessibility Keyboard, Keyboard, Onscreen keyboard, Language Keyboard	- Dyslexic Text Reader Keyboard for Dyslexics (1.64) - Read&Write for Android (keyboard - TTS and fonts for keyboard) Search on Google Play for Accessibility Keyboards - change keyboard in Settings/Language & Input
Image or Symbol Support	- Symbolworld.org - Boardmaker, Boardmaker Online - News2You, Unique Curriculm - Kurzweil 3000 contains a 15,000 word picture dictionary - Read and Write Gold (picture dictionary) - Clicker 7 (cricksoft.com) add picture support in word banks for writing - Symwriter Online (http://widgit.com/) symbol support to written text	 iReadWrite (19.99) word processing with TTS and picture dictionary Clicker Connect (30.99) - can create picture & text word banks in writing activities AbiliPad (19.99) - can have picture & text word banks in writing activities News-2-You - symbol support in weekly current events newspaper, subscription based Boardmaker Student Center (player for Boardmaker Online activities) Kurzweil 3000 Web App (subscription based) 15,000 word picture dictionary 	- Explore Tool in Google Docs - choose Tools menu, Explore - Dynamic Language Tools (extension) for Chrome - adds picture lookup besides dictionary and translation - Symbolworld.org - Symwriter Online (http://widgit.com/) symbol support to written text - Kurzweil 3000 Web App (subscription based) 15,000 word picture dictionary - Picto4Me AAC Communication Boards - Clicker Connect - can create word banks with images or symbols for writing supports	- Reading Buddy Plus - 4.99, TTS with picture dictionary lookup of selected word, copy/paste text into it from other sources, reads aloud selected text highlighting word by word using OpenDyslexic font - Kurzweil 3000 Web App (subscription based) 15,000 word picture dictionary
Type on PDF	- Adobe Reader - Kurzweil 3000 - Kami (Chrome app available via Chrome Browser)	- ClaroPDF Pro (6.99 plus 1.99 for each voice) - TTS in PDF files, can open and annotate on PDF files, type on forms, - iAnnotate PDF (9.99) TTS, type, highlight, draw - ezPDF Reader (3.99/in app purchases	- Kami - app and extension - PDFescape Free PDF Editor (extension) - DocHub - View, Edit, Sign PDFs (app)	- iAnnotate PDF (free) TTS, type, highlight, draw - ezPDF Reader (free/3.99 plus in app for voices) TTS, type, more

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Signed	- Camtasia Studio -	- TouchCast -free app, can create video		- Mimix (voice recognition
Support	www.textsmith.com, can add video in	in video, images in video supports		to signing)
	video and captioning to video	Zaption.com - can create quizzes, text		
(adding via	- TERC Signing Dictionaries (Open in	support within video, use your own video		
video in	Internet Explorer only)	or import from Youtube, Vimeo, other		
video,	http://signsci.test.terc.edu/index.html	sources		
signing	http://signsci.test.terc.edu/SLSD.htm			
dictionaries,	- Sign Smith Studio (PC only) uses an			
more)	animated avatar to convert text to			
	signing, www.vcom3d.com			
	- MotionSavvy - sign to speech			
	http://www.motionsavvy.com/			
Document	Hovercam T3, Solo 8, Mini 5 -		- Hovercam T3, T5, Solo 8, Mini 5 -	
Cameras	www.thehovercam.com - software run		www.thehovercam.com - run software	
used for	from cloud at		from cloud at	
Scan and	https://thehovercam.com/livecam		https://thehovercam.com/livecam	
Read	Mini 5 only works in Chrome on PC			
eBook	Chrome Browser – Readium,	iBooks, Voice Dream (for TTS only),	Chrome Browser - Readium or	Roxio MediaBook Reader
(ePub)	Readiator (apps)	Read2Go (for TTS only)	Readiator apps play back sound and	- plays sound/video
Reader	Adobe Digital Editions (Mac, PC)	GoodReader, Claro PDF (for PDF files -	video in ePub eBooks created on iPads	Gitden EPUB3 Book
	BookStream (www.donjohnston.com)	has TTS) Gitden Reader	as well as opening ePub files	Reader plays video,
	Kurzweil 3000 & Web App			sound, GoRead (opens
				Daisy)
eBook Writer	Book Creator - open in Chrome	Book Creator (app for iPad)	Book Creator - open in Chrome browser	Book Creator (app on
	browser www.app.bookcreator.com	Creative Book Builder	www.app.bookcreator.com	Google Play Store)
Daisy File	Kurzweil 3000	Read2Go, Voice Dream Reader,	- Kurzweil 3000 Web App (subscription	- GoRead - can open
Format	BookStream, Read:OutLoud	Kurzweil Firefly – kurzweil3000.com –	based)	Bookshare from app
Reader	Read&Write Gold	subscription based (save file as KESI file	- Bookshare, choose "Read Now"	- Read Now option on
	AMIS http://www.daisy.org/)	first)	feature next to the download option	Bookshare website
	Adobe Reader	ezPDF Reader, iBooks (turn Read	NaturalReader Text to Speech	ezPDF Reader (3.99 &
Text-to-	Kurzweil 3000	Selected text on in Accessibility settings)	SpeakIt will read with PDF viewer	free trial)
Speech for	Read&Write Gold	Claro PDF Pro, Prizmo,	extension add-on, Snap&Read	Moon + Reader Pro
PDF Files	Natural Reader		Universal, Read&Write for Google,	(4.99)
	Read:OutLoud			PDF to Speech Pro
	Office 365 (Immersive Reader)			

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Word Prediction	Clicker 7, Kurzweil 3000, Solo Co:Writer, Classroom Suite, Sooth Sayer, WordQ Claro Read Plus Co:Writer Universal	Predictable Clicker Docs, Sentences, Abilipad, iReadWrite, iWordQ Co:Writer Universal Predictable Keyboards in IOS ClaroSpeak	AppWriter Cloud (19.99 yearly) Read&Write for Google Drive Co:Writer Universal Kurzweil 3000 Web App (subscription) Clicker Docs Chrome On-Screen keyboard	Turn on predictive keyboards in Settings/Language & Input SwiftKey Tablet Keyboard (3.99)
Switch Access (switches)	Switch Arrays include: Crick, IntelliSwitch, DJ Switch Interface Pro, Tracker Pro, Mac - turn on scanning in System Preferences, Accessibility Switch Control and also Dwell Control - utilizes cross- scanning for switch access	IOS using Voice Over or IOS 7 and up using Switch Control: Tecla DOS, Applicator, Switch2Scan RJ Cooper Super Switch and Switch Interface, Blue2, Switch2Scan, APPlicator, Xybox for IOS (and IOS 7 for using with Switch Control), Perrero, Hook+	Keyboard command access using: -DJ Switch Interface Pro, Ablenet Blue2 -Tracker Pro (access to screen and all functions) -Google Input Tools (on-screen keyboard) - ASL Labs - Mouse Emulator (ASL 553) - 7 ports for full access to Chrome via mouse emulation, move cursor, Left, Center and Right -click options	-Tecla Access app from Google Play store use with Tecla DOS switch www.komodoopenlab.com -Tracker Pro (head mouse access to screen and all functions) -Receive Micro & Simply Works Joystick, switches www.inclusivetlc.com, -Blue2 from Ablenet -Switch Access in Accessibility Control panel in system