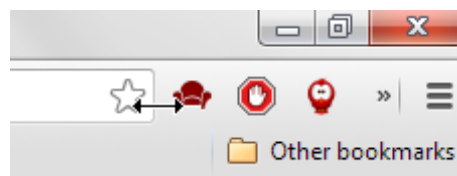# Working with Chromebooks - from Accessibility to the Cloud
Dan Herlihy - dherlihy@juno.com

Extensions (add additional functionality to the Chrome Browser):

- Read&Write for Google - adds TTS reading, Word Prediction, Voice Recognition, highlighting of text in Google Docs/Drive, web page reader, much more
- Readability - extract article from webpages, save as ePub eBook
- Evernote Web Clipper (clip article to Evernote account)
- Evernote Clearly - makes blogs, web pages easy to read, save to Evernote (similar to Readability, but can highlight on article)
- Voice Instead - TTS extension
- Voice Search - add mic to search field in browser for Voice Recognition
- SpeakIt! - TTS for highlighted text
- Select and Speak (displays i Speech icon in extensions listing) - select text in web pages, choose extension for TTS
- Chrome Speak - TTS, right -click (Control-Click) on selected text- highlight and have the text read to you
- Chrome Virtual Keyboard - onscreen keyboard
- Comfort On-Screen Keyboard Pro Extension - onscreen keyboard
- TransOver -hover over text to translate to another language
- Announcify - TTS for web pages
- Speech recognition online -Speechpad.pw - voice recognition
- Google Scribe -
- Highlight Keywords for Google Search - highlights the words in web articles you used for searching
- Bookshare Web Reader - TTS for Bookshare books online
- ChromeVis is a Google Chrome extension designed to make it easier for people with vision impairments to read the content of webpages, allows you to highlight the text on any webpage and have it enlarged and placed on an easy-to-read background.
- Snapify - free Google Chrome extension that allows you to highlight a word or phrase on any webpage and quickly find more information about that word or phrase.
- Clearly (Evernote) - make articles and webpages clean and easy to read
- PDF Viewer - view PDF files in browser
- PDFescape Free PDF Editor - edit, form fill PDF files in Chrome browser
- AppWriter Cloud - word prediction and TTS in documents - subscription based
- Co:Writer Universal - word prediction, text to speech in an account accessible on iPad, computers and Chromebooks

As you add more and more extensions you can collapse (to view from a dropdown >> list) or expand the list by moving your cursor to the end of the URL field and when the cursor turns to a double arrow hold the mouse button down and drag left or right.

Apps:
- ScanQR - QR code scanner for built in camera
- DictaNote - register and sign-in to use, voice recognition
- Voice Recorder - record voice, save as MP3 to Downloads folder
- Webcam Toy - take picture from built in camera, add effects, save (can also use the app to run the HoverCam T3 or iPevo document Ziggy (not the HD model) cameras
- Natural Reader - online word processing (or open docs from multiple places such as Dropbox, Google Drive, etc.) with Text to Speech, change voice, adjust speed, access to free eBooks which can be read aloud in app from menu
- MagicScroll eBook Reader
- My eBook Maker
- Web Whiteboard - collaborative whiteboard
- FlashCards - flashcard creator
- Camera -camera app for Chrome
- CK-12 - curriculum eBooks, learning activities, more - all free
- WeVideo - online video editor, share projects, upload video from Dropbox, Google Drive, SkyDrive or browse on Chromebook, record video and audio within the app
- MeeGenius Childrens Books - 70 free books read aloud to students, other books available for purchase
- Readium - eBook ePub reader -plays embedded audio and video
- MagicScroll Web Reader
- EMS ePub Reader
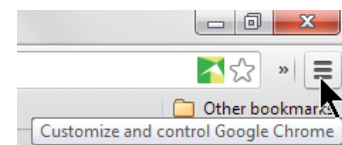- ScreenLeap - broadcast browser window & screen capture utility
- AdBlock - block adds

Creating eBooks from Web Articles

You can create eBooks from articles on the web using the Readability Extension for Chrome (on the Chrome Webstore)

- To create a book go to the web page containing the main article - and example would be going to CNN.com, then choosing a link to a news story. Choose the Readability extension to activate Readability, choose Read Now from the pop up Readability menu that opens - this extracts the article from all the advertising, etc. Choose the Share or export button on the left side of the window, choose ePub. This will download an ePub eBook into the Downloads folder. Later, open this file in any of the ePub Reader Add-ons such as Readium or EMS ePub Reader.
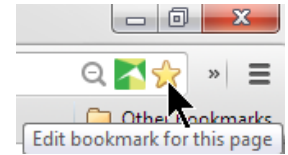
Turning on Accessibility Features

- The Chromebook has many basic accessibility features. To access and turn them on go to Customize and Control Google Chrome panel, Settings, at the bottom of the screen choose Show Advanced Settings, scroll down to the Accessibility listing

How to Add Bookmarks - and show the Bookmarks bar in browser:
- Go to Customize and Control Google Chrome panel, Settings
- Check - Always show the bookmarks bar
- go to a webpage, click the Star at the end of URL window
- choose to add to folder or Bookmarks bar (under Appearance)

Connecting a Chromebook to a Projector - Broadcasting a Chromebook Screen

Using Document Cameras
> **- Hovercam T3 www.thehovercam.com**
>> **-** Use with either the Webcam Toy app (video and stills) or the Camera app (still shots only for recording but much higher quality for live viewing)
>> - Or connect the Hovercam T3 to either USB port, then go to http://www.hovercamflex.com/flexweb/ - allows you to use the online Hovercam Flex driver and app, you can annotate, zoom, etc with the online program

>> - **IPevo Ziggy & Ziggy HD** - connect to USB 2 port (not the USB 3 port) www.ipevo.com - use with the Camera app (better quality) or Webcam Toy app

Webcams - using other webcams for higher quality
> **- Logitech Webcam C905**
>> - use with Webcam Toy app for video or stills or the Camera app for stills
> - **IPevo Point 2 View** (P2V) www.ipevo.com - use with Webcam Toy app

Portable projector - **The Pocket Projector Mobile**, 85-Lumen from Brookstone - www.brookstone.com can be connected to a Chromebook via the HDMI port.

I have one and have connected it to my Nexus 10, iPad, computer and Chromebook. It projects images up to 80" diagonal, accepts 1080p and 1080i video input and can be plugged in or run on the built in rechargeable battery.

HDMI Port - there are HDMI to RGB converters to connect a Chromebook via the HDMI port to a projector. They can be found on Amazon as well as other online stores.

Accessibility - Switch Access & More

-       Don Johnston Switch Interface Pro - USB connection, no drivers required, provides switch access to pre-set lists of keyboard commands in programs such as Page Up, Page Down, Space, Enter, etc. (www.donjohnston.com)

-       Tracker Pro - USB connection, no drivers required, head mouse and switch connection to a plug on the device allows switch access to any function on the Chromebook (http://www.ablenetinc.com)

-       Applicator - (Bluetooth) ability to set each of 4 different switch ports to preset keyboard commands - space, enter, arrow keys, volume up/down, home and others not related to commands in most apps that don't have switch access built in - such as ~1, ~3 - www.inclusivetlc.com

-       Blue 2 Bluetooth Switch - (Bluetooth) 3 pre-set modes (Space/Enter for example) with the ability to program three other modes - for either the two onboard switches or the 2 switch ports on the device - to any keystroke, or up to a 4 keystroke combination for each switch. Examples would be Tab for port 1 and Enter for port 2, or keystroke combinations such as Ctrl-P (to print) for switch port 1, etc. - www.ablenetinc.com

-       Freehand Glove - USB connection - can program, using a PC, the contact points on the glove for any keyboard key such as Tab, Enter, Right Arrow, etc. You then activate the contact point by touching either the thumb tip to one of the contact points on the finger or the thumb palm contact point, or by touching one of the finger contact points to the hand palm contact point. - www.ablenetinc.com

"Pairing" the Bluetooth Switches to your Chromebook
To "pair" a Bluetooth switch to the Chromebook go to Settings, Show Advanced Settings (at the bottom of the page) - Enable Bluetooth, Add a device. You'll need to make sure the switch is on, at which point, in the Add Bluetooth device window your switch should appear in the window. Select it and choose Connect. It should now be listed with any other Bluetooth device you have "paired" to your Chromebook.