

# Chromebook – The Seniors Computer - *Ron Brown*



# Chromebooks are designed for Seniors

- Simplicity
- Security
- Save Money
- Speed





# History of Chromebooks

- First Chromebooks- Acer/Samsung 2011
- Sold directly from Google & Business Partners
- Marketed to School Boards
- Favored for their low cost
- Security and Network Administration
- Market Share(education) will move from 25% to 70% by 2020
- CES Consumer Electronic Show LasVegas Spring 2017

*Year of the Chromebook - Very large growth market for next 3 years*

Introduction to  
Google Classroom  
friEdTechnology



# Apple Sowed the seeds and let them grow

“ IPADS are essential to good education”



Old School

VS



New Age



# Los Angeles school district's iPad program running grossly over budget- October 25, 2013

- According to the district's latest budget disclosure, L.A. Unified is paying some \$770 per iPad, about \$100 more than the \$678 per iPad figure quoted when the program was announced in June, the Los Angeles Times reported on Tuesday.
- \$400 million, worth 520,000 iPads.
- part of the school system's \$1 billion educational technology initiative



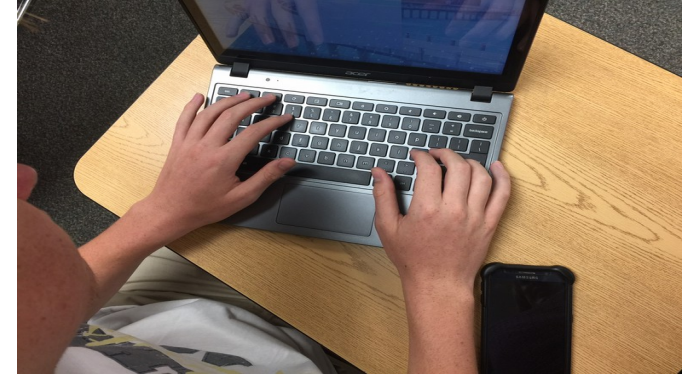


# Education- Replacing IPADS

*All school districts are short of money*



# Chromebooks in the Schools



Our high school district will have 23,000 Chromebooks for the 2018/2019 school year -- one each for the junior and senior High students. - Judy Taylour





# What Computer to buy?

## The Windows Experience









# Seniors should choose a Chromebook



# Chromebook & Seniors

- Only have to learn a Chrome Browser
- Purchase for about \$150-\$200
- No Security Software
- “ Power Wash “ Restores
- No MS Windows- Chrome OS- Web based OS
- Many different models to choose from





# Who makes Chromebooks?

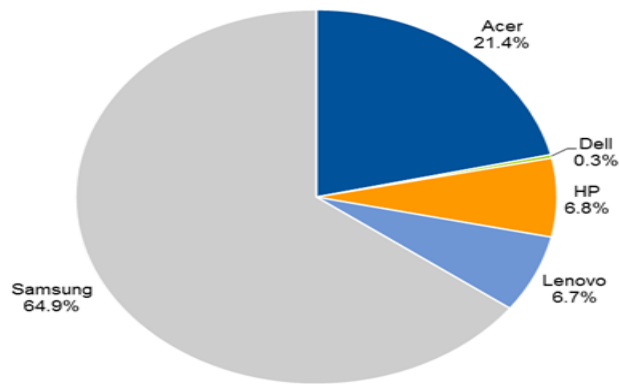
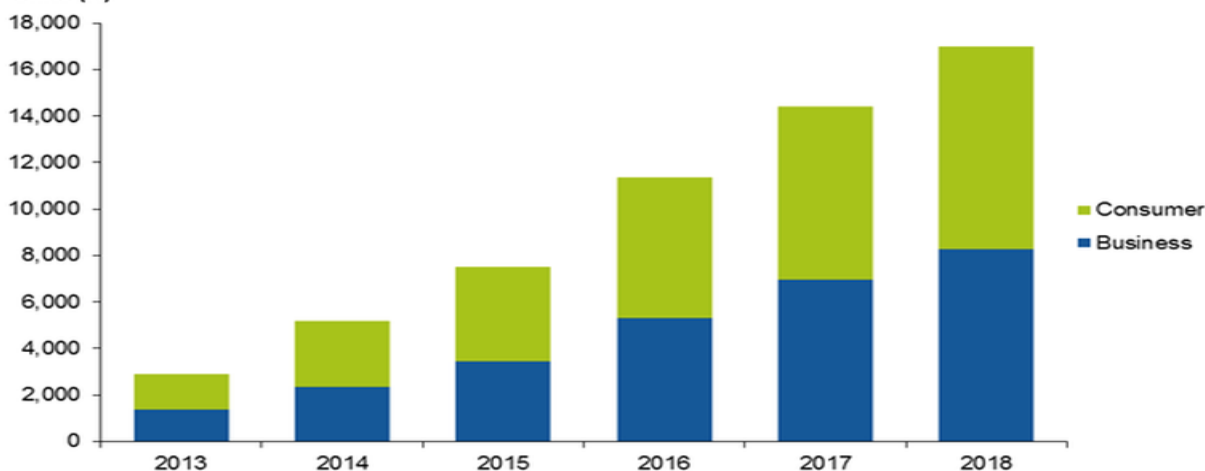
**Table: Top Five Branded Vendors in Chromebook Shipments Worldwide** (Unit: Million)

Company	2015	2016 (E)	2016	
			Ranking	YoY (E)
Dell	1.9	2.8	1	42%
HP	1.6	2.2	2	41%
Lenovo	0.7	1.8	3	159%
acer	1.7	1.5	4	-16%
ASUS	0.4	0.9	5	108%
Others	1.14	1.06	-	-7%
Shipment Total	7.5	10.2		36%

Source: TrendForce, Oct., 2016

**Figure 2.** Forecast of Chromebook Sales by End-User Type, Worldwide, 2013-2018

Units (K)

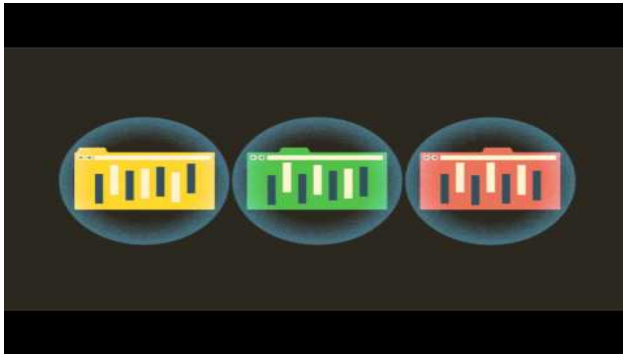


Chromebook Vendors' Shares of Unit Sales to End Users, Worldwide, 2013



# TPM Chip- Lockable Encrypted Memory

Two copies of Chrome OS running at the same time  
8 seconds      Updates second copy





# Updates go to secondary copy

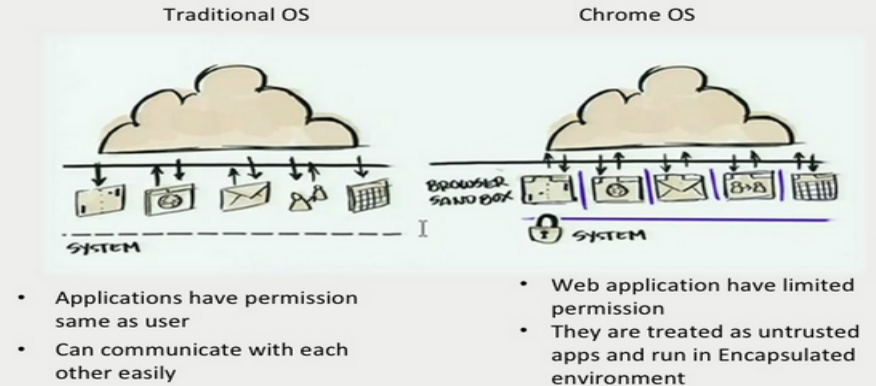


# Picture of Chromebook



**MAXIMUM  
SECURITY**

## Security



# Security



- ✓ **Automatic Updates**
- ✓ **Sandboxing**-*If the Chromebook is directed to an infected page, it can't affect the other tabs or apps on the computer, or anything else on the machine.*
- ✓ **Verified Boot**-. *Every time the Chromebook starts up, it does a self-check called "Verified Boot."*
- ✓ **Data Encryption**-*When using web apps on a Chromebook, all important data is stored safely in the cloud*
- ✓ **Recovery Mode**-*If anything goes wrong with a Chromebook, you can simply push a button or use a quick keyboard combination to enter recovery mode and restore the operating system to a known good version.*

# For peace of mind

- Chromebooks are automatically kept up to date, so you'll always have the latest virus protection, along with the latest features like Voice Search. Best of all, your Chromebook won't slow down over time.

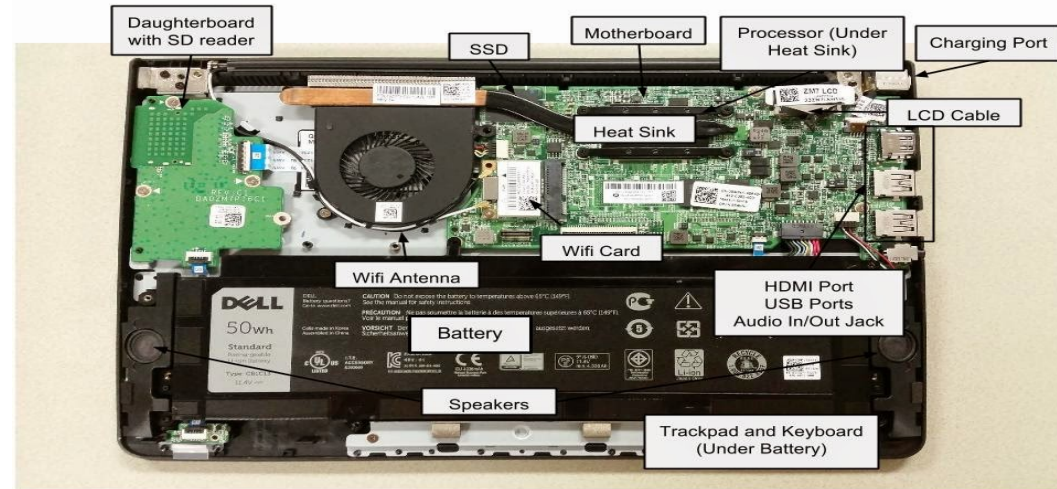




# Chromebook – Laptop – Which one to buy?

- Screen 11, 13 15 inches
- Chrome OS not MS Windows
- Keyboard
- Hard Drive 16- 32- 64 GB SSD
- Ram 2-4 GB
- CPU - ARM -Intel Celeron – Intel M-3
- Bluetooth
- USB/HDMI ports
- Wifi
- Cost \$150- \$500

## *Under the Hood...*



# HDMI Port



# Purchase Considerations

- Screen Size
- Flip- “ Two in One “ - Tablet
- Touch Screen
- Play Store
- Stylus – Drawing
- Ensure HDMI
- No DVD

*You can plug any external DVD in the USB port and will view data without any drivers*

# How big should your screen be?

HP  
Chromebook 11 G4



Toshiba  
Chromebook 2 CB35



Acer  
Chromebook 15



Touch  
screen



# Touch Screen- Flip



# Comparison August 15-2017- Amazon Prices US dollars( Retail)



Samsung Chromebook Pro  
Cost- \$499(549)  
Intel- Core M3  
Screen 2400 X 1600 Nit 400  
12.3 inches  
Touch screen Pen



Samsung Chromebook Plus  
Cost- \$419(449)  
(Dual ARM® Cortex®-A72  
Screen 2400x1600 Nit 400  
12.3 inches  
Touchscreen Pen



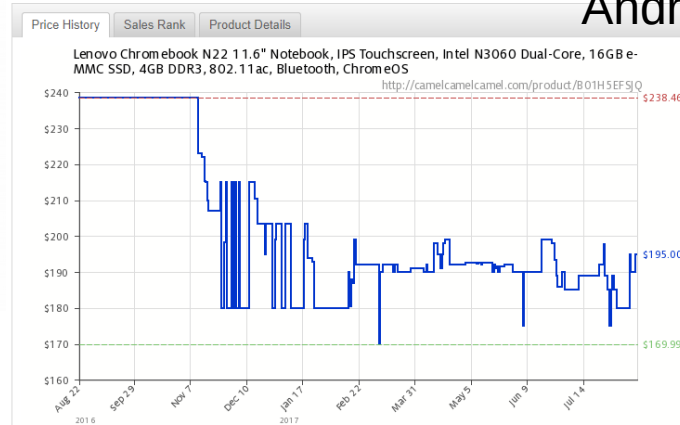
Asus Chromebook Flip C302  
Cost- \$469(569)  
Intel — Intel® Core™ M 6Y30 Processor,  
Screen 1920x1080 Nit 300  
12.5 inches  
Excellent back lit keypad  
Touchscreen



# Chromebook    Lenovo    N22    August 15/17 US \$198(249)



Built strong for children  
11.6 inch touch screen (NonFlip) 1366x768 pixels  
10hrs of battery life  
Intel N3060 Dual-Core  
16 GB SSD  
4GB DDR3  
HDMI  
USB 3  
SD Card Slot and audio jack  
Android Apps



# Samsung's new Chromebook Plus might be the device for you.

Best Buy \$ 449- Just Released



amazon prime

Electronics ▾ chromebook plus

partments ▾

Browsing History ▾ Dr.Ronald's Amazon.com Today's Deals Gift Cards & Registry Sell Help

Computers ▾ Laptops ▾ Tablets ▾ Desktops ▾ Monitors ▾ Computer Accessories ▾ PC Components ▾ PC Gaming ▾ Deals

TOP ELECTRONICS for college students Shop now ▸

to search results for "chromebook plus"

Samsung

**Samsung Chromebook Plus Convertible Touch Laptop (XE513C24-K01US)**

★★★★☆ ▾ 299 customer reviews | 261 answered questions

List Price: \$449.99

Price: **\$415.63** + \$81.81 Shipping & Import Fees Deposit to Canada Details ▾

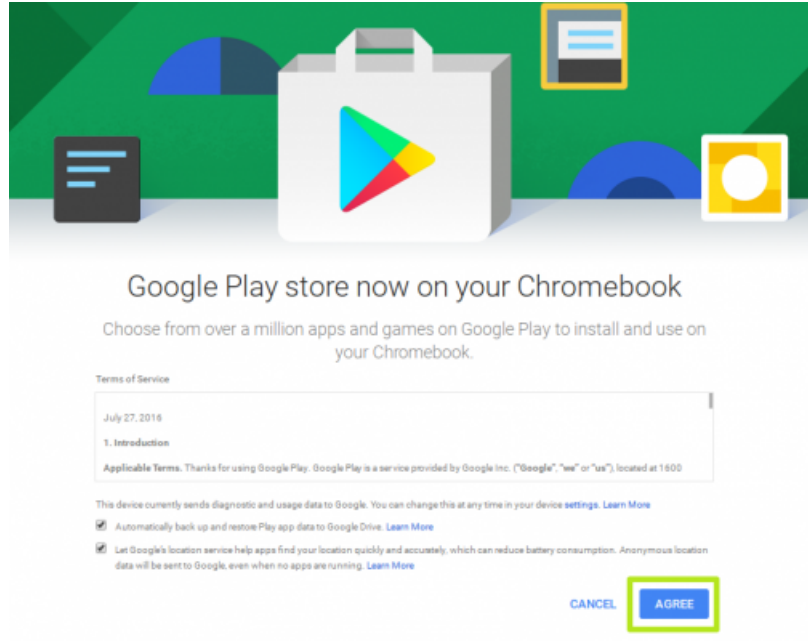
You Save: **\$34.36** (8%)

**In Stock.**

This item ships to **Comox, Canada**. Want it **Thursday, Aug. 17**? Order within **2 hrs 56 mins** and choose **AmazonGlobal Priority**



# Google Play on Chromebook



## Chrome OS Systems Supporting Android Apps

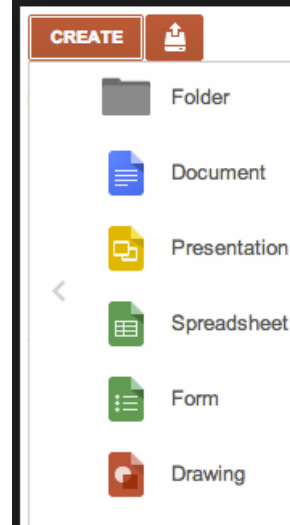
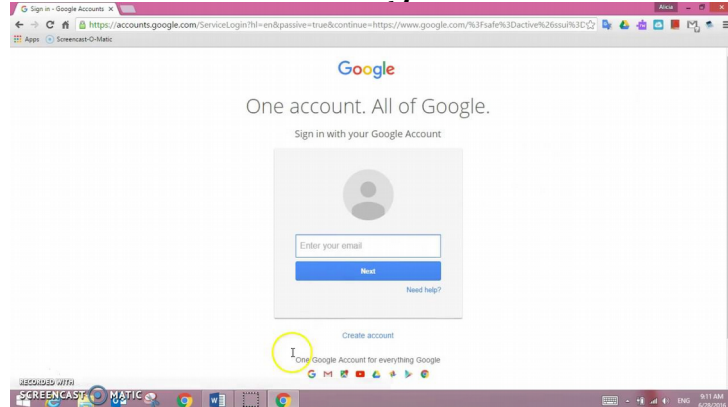
[https://sites.google.com/a/chromium.org/dev/chromium-os/chrome-os-systems-supporting-android-apps?visit\\_id=1-636383227826913671-557321784&rd=1](https://sites.google.com/a/chromium.org/dev/chromium-os/chrome-os-systems-supporting-android-apps?visit_id=1-636383227826913671-557321784&rd=1)



# What software comes with a Chromebook?



15 GB Free Storage



# Confusing Terms

- Google Play Store- Android APPS



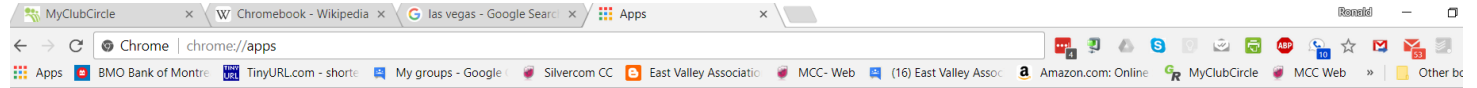
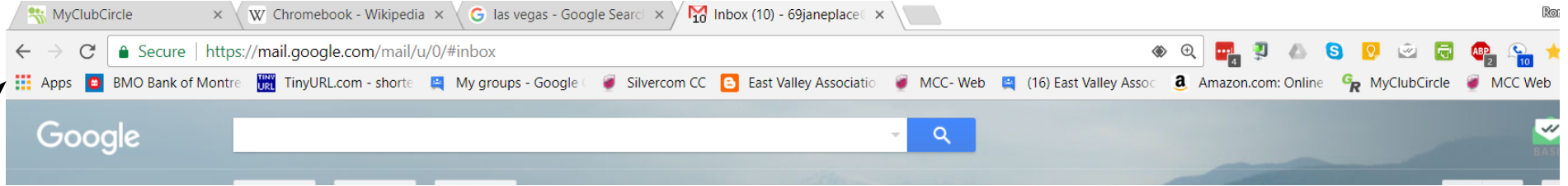
Google Chrome Web Apps- Chrome APP Store



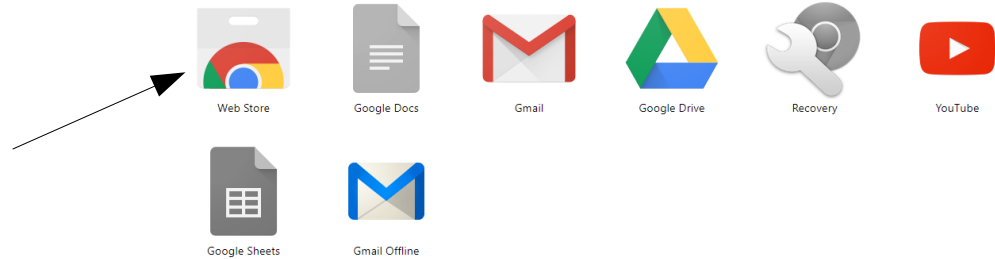
Web Store

- Google Chrome Extensions- adjunct to Chrome Browser
- 
- Chrome OS- Chromebook OS


# Chrome Web Apps



Ronald B



# Chrome Web Store

 chrome web store

Extensions

Themes

Apps

Games

CATEGORIES

All

FEATURES

☐ Runs Offline

☐ By Google

☐ Free

☐ Available for Android

☐ Works with Google Drive

RATINGS

☐ ★★★★★

☐ ★★★★★ & up

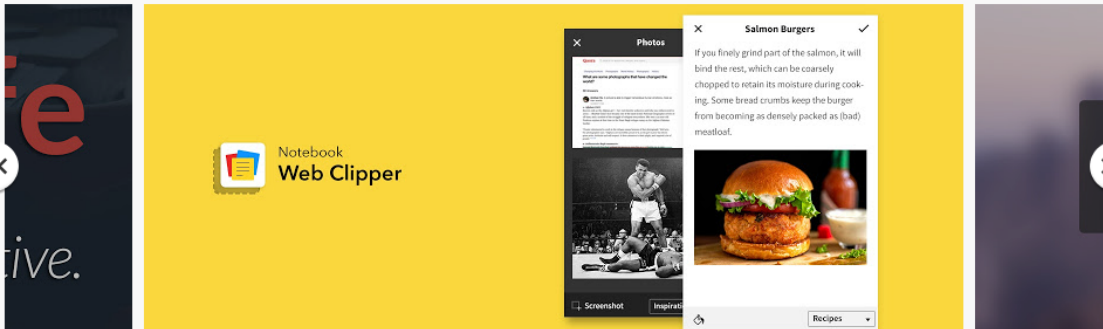
☐ ★★★★★ & up

☐ ★★★★★ & up

69janeplace@gmail.com

⚙

Featured




Featured extensions carousel showing Notebook Web Clipper, Photos, and Salmon Burgers.

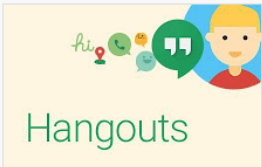
Get Started

Make the most of Chrome with these must-have extensions


View all




Office Online  
★★★★★ (1883) FREE




Hangouts  
★★★★★ (31391) FREE




Momentum  
★★★★★ (10406) FREE



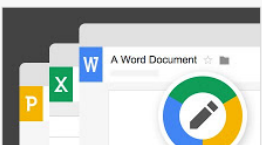
Pinterest browser button  
Pinterest Save Button  
★★★★★ (5638) FREE



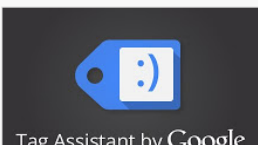
amazon



Full Page Screen Capture  
by mrooles.com



A Word Document

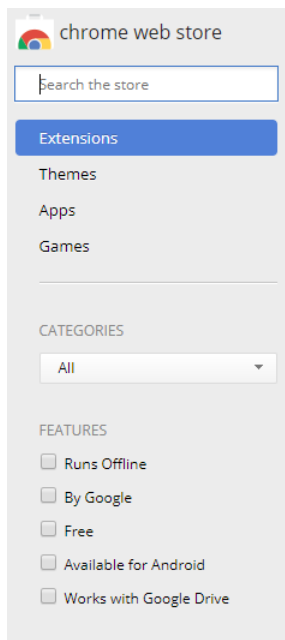


Tag Assistant by Google

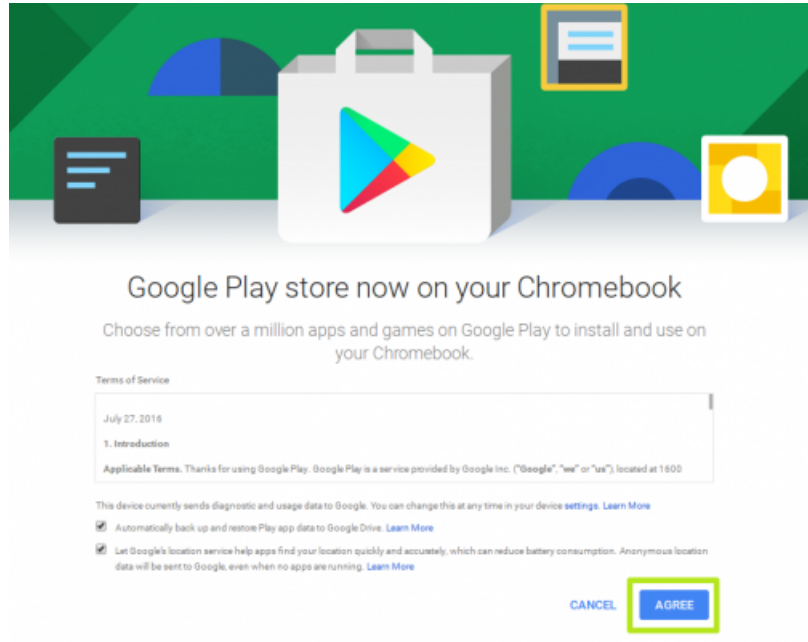


# Chrome Apps Vs Chrome Extensions

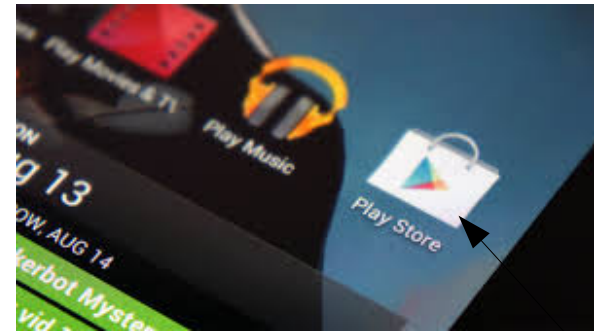
- Chrome Apps found in the “ Chrome App Store “ NOT Play Store  
Independent Programs load with your Google Account
- Chrome Extensions are add ons to your Chrome Browser



# Google Play on Chromebook

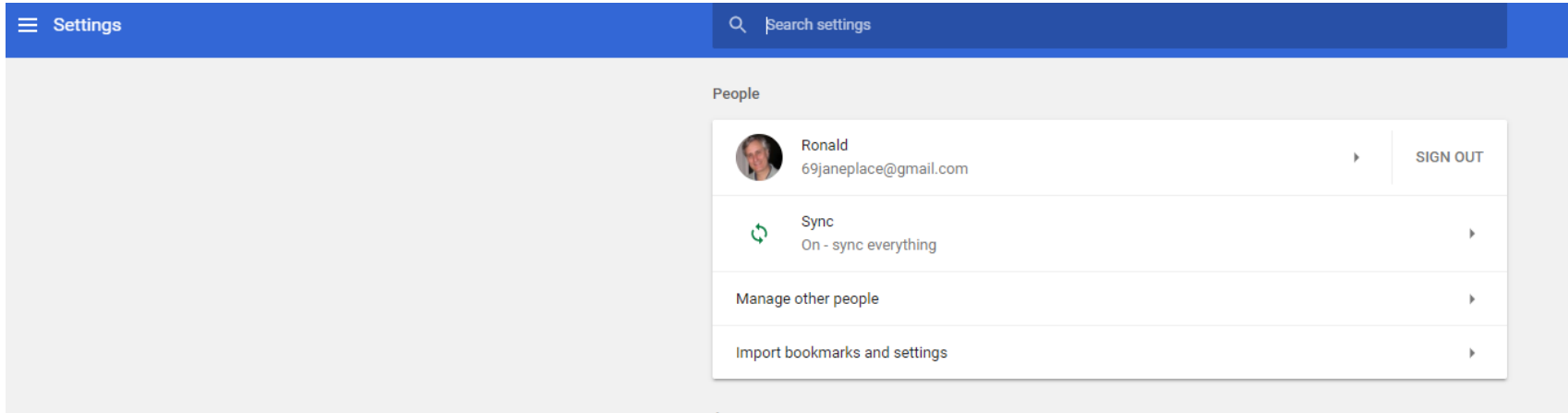


Chrome OS Systems Supporting Android Apps



Play Store

# Chrome Settings- Google Account



# For picking up where you left off

Chromebooks stay synced with your Android phones & tablets, and everywhere you're signed in with your Google account - so your stuff stays with you, even when your laptop doesn't.





# For sharing easily

- Switching between accounts is a snap, so you can easily share your Chromebook without anyone else messing with your stuff.



# Google Cloud Based Printing

Chrome

Extensions

Settings

About

## Settings

### Network

Google Chrome is using your computer's system proxy settings to connect to the network.

[Change proxy settings...](#)

### Languages

Change how Chrome handles and displays languages. [Learn more](#)

[Language and input settings...](#)

☒ Offer to translate pages that aren't in a language you read. [Manage languages](#)

### Downloads

Download location:

[Change...](#)

☐ Ask where to save each file before downloading

### HTTPS/SSL

[Manage certificates...](#)

### Google Cloud Print

Set up or manage printers in Google Cloud Print. [Learn more](#)

[Manage](#)

☐ Show notifications when new printers are detected on the network

### Accessibility

[Add additional accessibility features](#)

### System

☒ Continue running background apps when Google Chrome is closed

☒ Use hardware acceleration when available

### Reset settings

Restore settings to their original defaults.

[Reset settings](#)

## Devices

### New devices

Looks like there are no devices available to register on the network. If your device is on and connected to the internet, try registering it using instructions in its instruction manual.

### Classic printers

You have registered your printers with Google Cloud Print using the account 69janep@place@gmail.com

[Disconnect printers](#)

### My devices



#### Save to Google Drive

Save your document as a PDF in Google Drive

[Manage](#)



#### HP497B4D (HP ENVY 4520 series)

This is a web services printer

[Manage](#)



## Cloud Print (beta)

[PRINT](#)

Print Jobs

Printers

[Google Cloud Print Home](#)

[Add a Cloud-Ready Printer](#)

[Add a Classic Printer](#)

[←](#)

[Delete](#)

[Share](#)

[Show Print Jobs](#)

[Rename](#)



### HP497B4D (HP ENVY 4520 series)

Owned by me

Last print job was 1 day ago

Location not available

Printer is online and ready to print

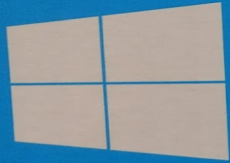
[Advanced Details](#)

# Cloud Print Ready

Set up cloud printing  
on your Chromebook



your smartphone or tablet



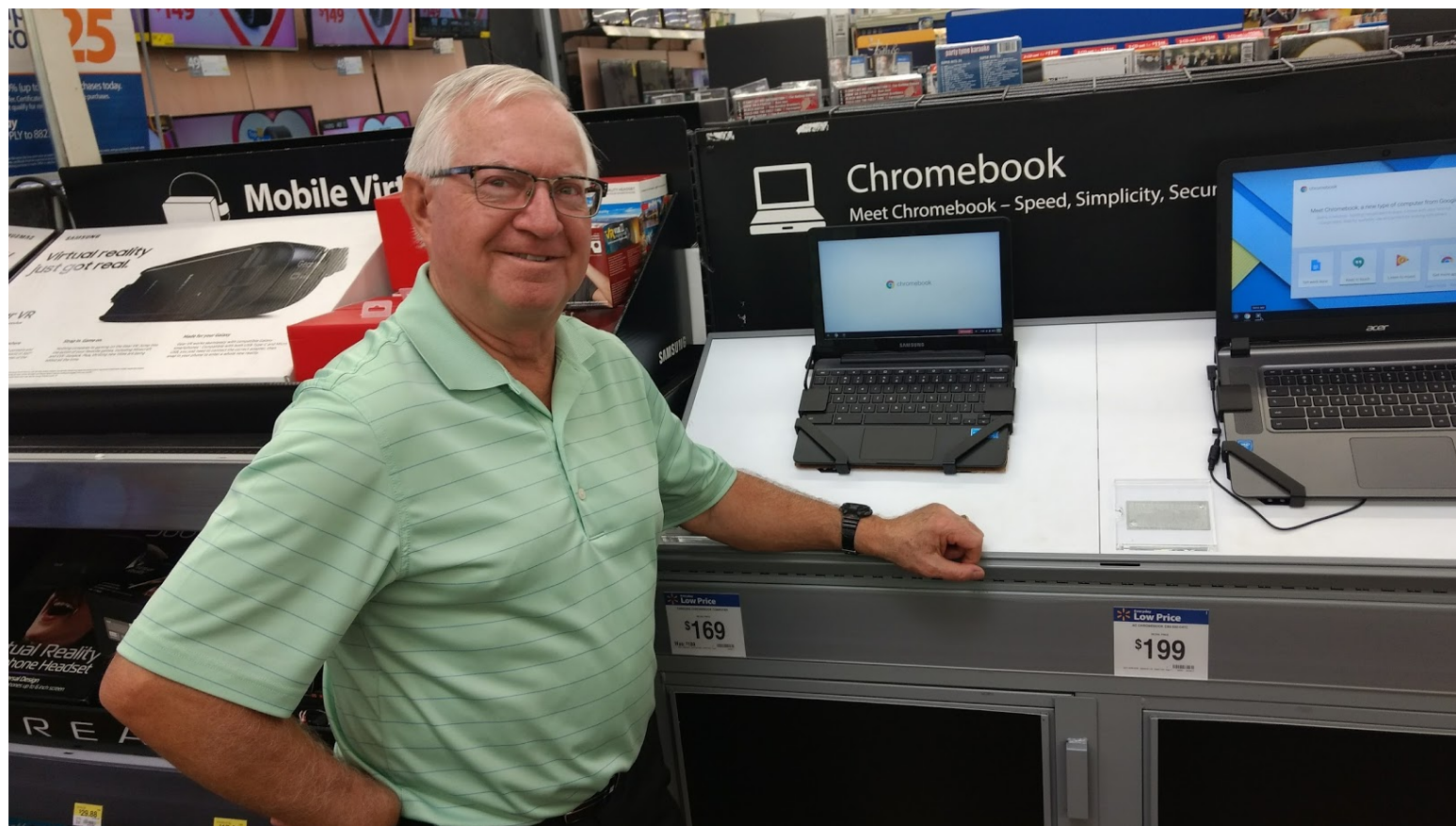
# Where to Purchase a Chromebook?

- Best Buy and Walmart
- Consider Best Buy- On-Line
- Walmart- On-line
- Amazon





# Walmart - Mesa



# References- Chromebook Videos

- How to set up Classic printing with a Chromebook

*<https://www.youtube.com/watch?v=dJ1zRCskog4>*

- Preparing to switch to a Chromebook

*<https://youtu.be/8nqfu7xn54Q>*

- Getting things done with a Chromebook

*<https://youtu.be/6GLf0w8j2f8>*

# Questions?

Chromebook – The Seniors Computer  
Silvercom Computer and Technology Club

69janeplace@gmail.com



Ron Brown & Julian



An International  
Association of Technology  
& Computer User Groups