# Cheapskate Tech

Glen Maxson

Osher Lifelong Learning Institute at Temple University

Fall 2020 – Session 1 of 6

seniortechadvisor.com

## Who Am I?



Glen Maxson

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# Why Are We Here?

- Assumptions:
  - You're interesting in how technology can benefit you
  - Maybe you're thinking about 'investing' in some new devices

And who doesn't like to save a little \$\$ in the process?

## My motto:

Save a little today so you can buy another gadget (on sale) tomorrow

## My most recent 'investment' \$50 + tax



"Alexa, show me the living room camera."



Roll over image to zoom in

Echo Show 5 Sandstone with Blink Mini Indoor Smart Security Camera, 1080 HD with Motion Detection Brand: Amazon ★★★★☆ \* 148,612 ratings | 1000+ answered questions #1 Best Seller ( in Electronics R Best Deal Bundle Price: \$124.98 \rime Prime Savings Vour price at checkout is \$49.99. Details S Best price Color: Sandstone Configuration: with \$5 Blink Mini - Prime

Members

## And the one before that

\$25 + tax & shipping

Wyze Band

\$24.99

Go beyond your typical activity tracker

**ADD TO CART** 



## What We'll Cover in 6 Weeks

- Overview, plus Shopping tips
- Devices and Apps
- Internet of Things
- Chromebooks
- Linux...

## Who is Rick Broida?

Rick Broida IS <u>The Cheapskate</u>

The Cheapskate Rules: 21 Easy Money-Saving Tech Secrets Kindle Edition

by Rick Broida (Author)

★★★☆ ✓ 103 customer



And another noteworthy title by Rick

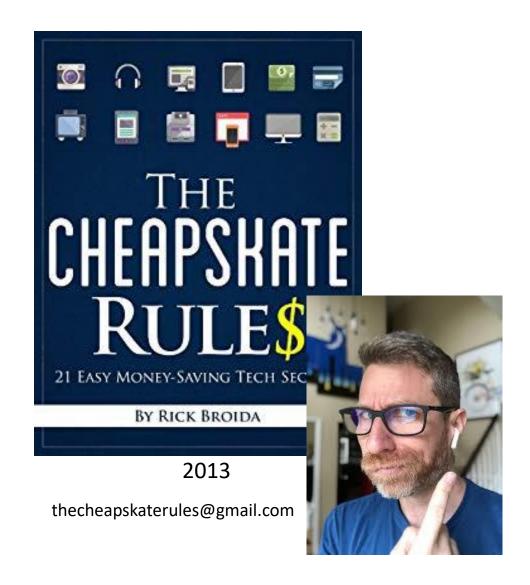
I Was a Middle-Aged Zombie: An unexpected journey into the wild world of escape rooms

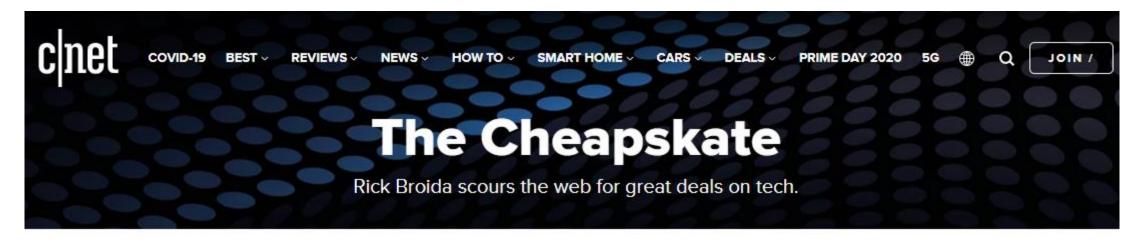
by Rick Broida | Sold by: Amazon Digital Services LLC

★★★★☆ ◇ 6

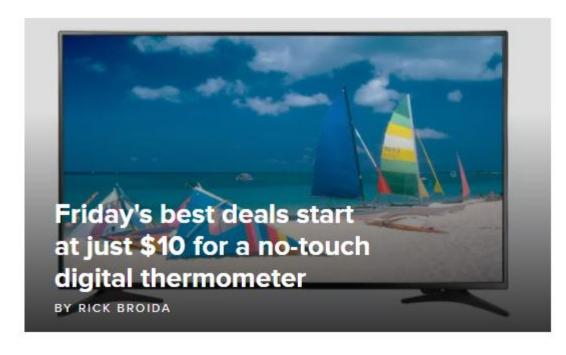
Kindle Edition

\$○00 kindleunlimited





#### FEATURED STORIES









Buy the Nintendo Switch for \$299 and get 10% back from Amazon

BY RICK BROIDA

BY RICK BROIDA

# Don't Believe Everything You See

**Shopping Cart** 

Reading

#1 Best Seller (in Industrial & Scientific

Deselect all items

## Koogeek no-touch digital thermometer

\$10 with code KQ6FHDIL

Then an hour later

In Stock
Shipped from: Protected Equipment
Gift options not available. Learn more

Qty: 1 ✓ | Delete | Save for later | Compare with similar items

Subtotal (1 item): \$45.99

Your Items

Saved for later (25 items)

Buy it again

No Touch Digital Thermometer Medical Koogeek Infrared Forehead
Thermometer for Adults Baby and Kids Touchless Temperature Gun
with Fever Alarm LED Display Screen 1Second Accurate Instant
Reading

¶1 Best Seller in Industrial & Scientific
In Stock
Shipped from: Robert Kulesa
Delete | Move to Cart | Move to Wish List | Compare with similar items

No Touch Digital Thermometer Medical Koogeek Infrared Forehead

Thermometer for Adults Baby and Kids Touchless Temperature Gun

with Fever Alarm LED Display Screen 1Second Accurate Instant

Price

\$45.99

S Best price

h Best Deal

Nope, no deal here

# And I'm Still Not Happy About This One

# Last year WalMart advertised this deal

Not only was there no watch available at this price, but each time I checked (from 1 minute after the sale started) the price kept increasing. Bait and switch!

## Apple Watch Series 3: \$129 at Walmart

You save \$70



Apple

Wow, wow, wow. Back in September I warned against buying the newly discounted

Apple Watch Series 3 because I fully expected Black Friday deals. But I expected, oh,

\$169 -- which, incidentally, is the upcoming price from Target. Maybe \$159 somewhere.

But \$129? If you're an iPhone owner, do not. Miss. This. Deal. The Series 3 is an excellent smartwatch, one that originally sold for \$329. I doff my hat to you, Walmart; you beat everybody on this one.

# Amazon Prime Day – starts\* tomorrow (Oct. 13)

- About two-thirds of consumers indicate they plan to shop on Amazon Prime Day, more than either Black Friday or Cyber Monday.
- Experts predict that Amazon Prime Day not Black Friday will serve as the early kickoff for the 2020 holiday shopping season this year, generating as much as \$10 billion in total sales during the October event.

<sup>\*</sup>As usual, there are deals to be had well before the official start date of the 13th

# Black Friday Shopping – Pandemic Style

- Walmart is "promising an all-new Black Friday experience" and says it "will spread traditional Black Friday savings throughout the season" with more deals available online.
- Target <u>announced</u> its Deal Days shopping event will start on Oct. 13 and will last through Oct. 14
- Best Buy said Thursday it will offer dozens of "Black Friday" deals on Tuesday and Wednesday during the Amazon Prime Day event and Target's Deal Days.



# 'The Cheapskate Rules' Contents

- 1. Get a Discount on Almost Everything You Buy
- 2. Accept Credit Cards for Free (ish)
- 3. Make Your Old PC Run Like New
- 4. Virus-Proof Your PC for Free
- 5. Help Far-Flung Family Members Solve Their Computer Problems, Free and Easy
- <u>6. Get a Free Replacement for Microsoft</u> Office
- 7. Save Money on Apple Products. Seriously!
- 8. Use Your PC to Record Broadcast TV for Free
- 9. Recover a Lost or Stolen PC for Free
- 10. Save a Small Fortune on Video Games
- 11. Never Pay Another Penny for Music
- 12. Make Money with Your Smartphone
- 13. Find an Endless Supply of Free Books for Your Kindle or Nook

- 15. Get a Huge Supply of Free Cloud Storage
- 16. Turn Web Sites into Free Mobile
- <u>Magazines</u>
- 17. Organize Your Life for Free with WorkFlowy
- 18. Take College Courses for Free
- 19. Lower Your Monthly Smartphone Bill
- 20. Add Bluetooth to Any Stereo
- 21. Four Surprising Things You Can Get Free from Your Public Library

# 1) Getting discounts (on everything)

- Discover cashback sites:
  - Ebates (now <u>Rakuten</u>)
  - <u>Fatwallet</u> (out of business)
  - TopCashBack\*
  - How it works:

\*Ready to buy something? Search for the store you want to shop with using our search bar, or by browsing our categories or offers below. Then just click through and shop online as normal!



Up to \$10

Walmart Cash Back

# 2) Accept credit cards

- Intuit GoPayment
- PayPal Here
- Square Register\*

How it works:



Just the basics

Tell us about your business so we can serve you better.



No credit checks

We'll need the last four numbers of your SSN to verify your identity.

- \*Square's transaction fee: **2.6% + 10¢** of the total transaction amount for any of the following payment types:
- Swiped Magstripe Cards
- •Swiped or Inserted Chip Cards
- Contactless (NFC) Payments
- Prepaid Gift Cards
- Point-of-Sale API Swiped or Inserted Payments
- **•Swiped Virtual Terminal Payments**



Get your free magstripe reader

When you're done, we'll drop your free Square Reader for magstripe in the mail.

# 3a) Make your old PC run like new

- Step 1: Back up everything (which you should be doing anyway)
  - Make a list of everything on the PC that's important to you
  - Get an external hard-drive then copy everything on your list to it

## For Windows 10 users -

- Step 2: 'Reset or Refresh' Windows (this can get complicated!)
  - Instructions Here: Reset or reinstall Windows 10

    - Option 2: Restart your PC to get to the sign-in screen, then press and hold down the Shift key
      while you select the Power () icon > Restart in the lower-right corner of the screen. After your
      computer restarts, select Troubleshoot > Reset this PC.
    - Option 3: Select Start ■, then press and hold down the Shift key while you select the Power () icon > Restart to restart your computer into Recovery Mode. After your computer restarts, select Troubleshoot > Reset this PC.
    - Any of these three options will get you started, but once you're in the process, follow the steps as
      they are presented to you. If none of the preceding three options work, you can use installation
      media to resinstall Windows 10.

# 3b) Make your old PC (almost) run like new

- Add memory and an SSD\*
  - Determine what type and how much memory you have installed
    - How to find how much RAM is installed on a computer
    - How to find the right memory for your system
      - Dell Latitude E5400 example



- Installing Computer Memory
  - And there's always a YouTube video to show you how it's done
  - Ex. <u>Dell Latitude E5400 Keyboard, RAM and Hard drive replacement</u>
- Replace your 'spinning' hard drive with a solid state drive (SSD)

# 4) Free virus and malware software

- Know how your router firewall works
- Use Window's built-firewall
- Use Gmail (AOL, Xfinity, Yahoo and Outlook.com work well too)
- Use Chrome or Firefox, and an ad-ware blocker (<u>AdBlock Plus</u>)
- Use the <u>WOT (Web of Trust)</u> plug-in to improve 'safe browsing'
- Enable Window's free virus program Windows Defender
- Don't forget to use good old-fashioned common sense when browsing, installing programs or opening e-mails!
- And if that's not good enough, install and run <u>Malwarebytes</u> if you think there's malware on your PC (also free)

# Windows Defender Security Center (example)



Virus & threat protection No action needed.



Account protection

No action needed.



Firewall & network protection

No action needed.



App & browser control
No action needed.



Device security View status and manage hardware security features



Device performance & health

No action needed.



Family options

Manage how your family uses
their devices.

# 5) Free remote access to another PC

- The best known 'free' remote access programs
  - Join.Me
  - <u>TeamViewer</u> (favorite remote access tool for scammers)
- My current favorite:
  - Chrome Remote Desktop
  - Instructions to Access another computer with Chrome Remote Desktop

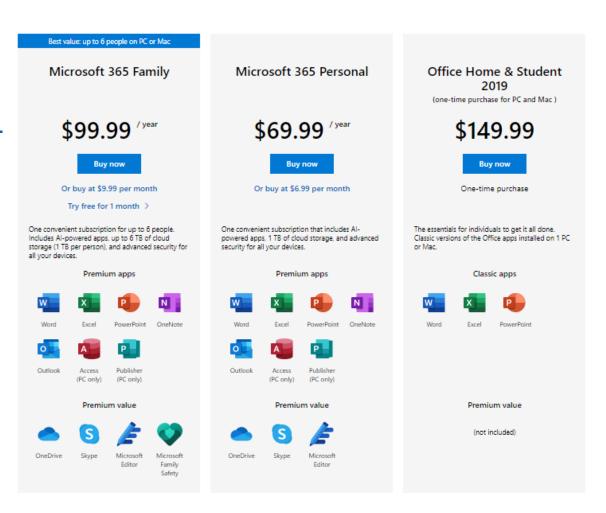
### Set up remote access to your computer

You can set up remote access to your Mac, Windows, or Linux computer.

- 1.On your computer, open Chrome.
- 2.In the address bar, type remotedesktop.google.com/access.
- 3. Under "Set up Remote Access," click Download
- 4. Follow the onscreen directions to download and install Chrome Remote Desktop.
- But you can even use <u>Zoom</u> for remote access (<u>instructions</u>)

# 6) Free Microsoft Office replacement

- Not free Office 365 Home
- Free Office online at <u>outlook.com</u>
- Top free office suites:
  - LibreOffice 7.0.2
  - Apache OpenOffice 4.1.7
  - WPS Office
  - FreeOffice



# 7a) Save money on Apple products (really?)

- Sign up for a United credit card, get 40k points, buy an iPad with points, cancel card – works, but <u>definitely not</u> recommended!
- Better: buy 'refurbished'! Just do it you'll thank me...
  - Apple 'refurbished' products are always 'good as new' & include full warranty
  - You'll need to order on-line, not at your favorite Apple store
  - Check out the deals here: (https://store.apple.com/us/browse/home/specialdeals)
- And do you really NEED the latest model? Buy a model a couple years old and save hundreds!

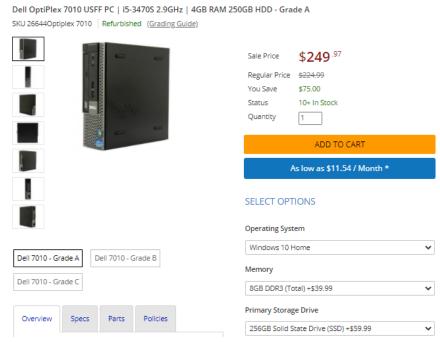
A word about Apple's planned obsolescence practices

"Apple wants you on a 1- to 2-year purchase cycle for iPods, and a 2- to 3-year purchase cycle for laptops."

# 7b) Save money on PC products too

My favorite refurbished PC shop

## **PCLiquidations**





# 8a) Record broadcast TV on your PC (for free)

- Free TV and DVR
  - Winegard FlatWave Amped Amplified Digital Indoor HD TV Antenna 50 Mile Long Range (Renewed) - \$28 (not free)
  - Hauppauge WinTV-DualHD Dual USB 2.0 HD TV Tuner for Windows \$67 (also not free
  - <u>Hauppauge WinTV v8.5</u> activation code provided with <u>WinTV-DualHD</u> (above)



# 8b) Broadcast TV & DVR options (not free)

- Assumes you already have Internet access & good download speeds
- Best live TV streaming services for cord cutters
  - Sling TV (\$30/month): Best budget live TV streaming service
  - YouTube TV (\$65 incl. 6 accounts): Best premium live TV streaming service
  - But my favorite: <u>Hulu With Live TV</u> (starts at \$40/mth)
  - Also ran:
    - AT&T TV Now
    - PlayStation Vue
    - CBS All Access
    - Fubo TV
    - Disney +

Don't care about live TV?:

**Netflix** 

**Amazon Prime Video** 

Vudu/Movies Anywhere

**Roku Channel** 

**Apple TV Plus** 

# Big 5 Streaming Services Compared

#### BIG FIVE TV STREAMING SERVICES COMPARED

	Hulu with Live TV	YouTube TV	Sling TV	PlayStation Vue	AT&T TV Now
Base price	\$45/month for 60+ channels	\$50/month for 70+ channels	\$25/month for 30+ channels	\$50/month for 55+ channels	\$50/month for 40+ channels
Free trial	Yes	Yes	Yes	Yes	Yes
ABC, CBS, Fox, and NBC channels	Yes, in many markets	Yes, in many markets	FOX and NBC only in select cities	Yes, in many markets	Yes, in many markets
Video on demand from local channels	Yes	Yes	No	Yes	Yes
Step-up packages with more channels	No	No	Yes, an extra \$5/month each	\$55/month, \$65/month or \$85/month	\$70/month
Simultaneous streams per account	2 (\$15 option for unlimited)	3	1 or 3	5	2 (\$5 option for 3)
Family member/user profiles	Yes	Yes	No	Yes	No
Pause, rewind, fast- forward	Yes	Yes	Yes, except for Disney or ESPN channels	Yes	Yes
Record shows for later (cloud DVR)	Yes	Yes (keep for 9 months)	Yes (\$5 per month, can't record Disney or ESPN channels)	Yes (keep for 28 days)	Yes (20GB, keep for 30 days)
Fast-forward through or skip commercials with cloud DVR	No (Yes with \$15 option)	Yes	Yes	Yes	Yes
DVR show replaced by on-demand version	No	Yes	No	No	No
Video on demand/3- day replay	Yes	Yes	Yes	Yes	Yes
Parental controls	Yes	No	Yes	No	No
Bandwidth limiter	No	No	Yes	No	No

# 9) Recover a lost/stolen PC for free

- Enable "Find My Device" in Windows 10
  - To enable the device-tracking, open the Start menu or Start screen and select Settings.
  - Navigate to Update & security > Find My Device in the Settings app to find this feature.
  - You'll need to be using a Microsoft account to enable this. You'll log into that Microsoft account from a web browser to track the device if you ever lose it.
- How to Track, Disable, and Wipe a Lost iPhone, iPad, or Mac
  - Apple's "Find My" services are integrated into iPhones, iPads, and even their Mac computers.
- How to Find Your Lost or Stolen Android Phone
  - Android's built-in Android Device Manager allows you to track, lock, and wipe lost Android phones and tablets. You must enable this feature on each Android device you own by launching the Google Settings app, tapping Android Device Manager, and activating it.
- How to Setup Your Laptop with Tracking Software in Case You Ever Lose It
  - LockitTight Online Device Tracking
  - Prey Simplified endpoint management with automated security and anti-theft

# 10) Save \$\$ on video games (for seniors)

#### Casual/Puzzle

- Aquaria
- •A Virus Named Tom
- •Bit.Trip Runner 2
- Bejeweled 3
- Cogs
- Crazy Machines 2
- •Element4l
- •English Country Tune
- •Eets Munchies
- Fractal
- •Hammerfight
- •Little Inferno
- Night Sky
- Obulis
- Pegale
- Plants VS Zombies
- Pudding Panic
- Scribblenauts Unlimited
- Starseed Pilgrim
- Thomas Was Alone
- •Windosil
- •Zuma

#### Adventure/Puzzle

- Broken Sword
- Beat Buddy
- Dear Esther
- •Gone Home
- •Kentucky Route Zero •Faerie Solitaire
- •Limbo
- •Lume
- •Papo & Yo
- Puzzle Bots
- Shelter
- Spirits
- •The Swapper

#### Other

- Braid
- Closure
- •**VVVVV**
- •Chains
- Broken Sword
- Broken Age
- Feeding Frenzy
- •Gone Home





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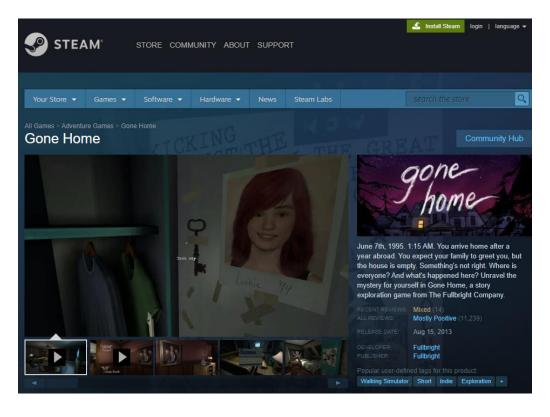
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# Really? Moving On...





# 11) Never pay for music (or pay just a little)

## Free Streaming

- My favorite: <u>Pandora</u> (so why do I pay \$110/year for Premium?)
- Grooveshark (sorry, they got sued out of existence)
- Spotify Now with 'explicit content' filters yeah! (and the new <u>Family Plan</u>)
- There's also Amazon, Apple, Google, YouTube, Hoopla, Napster, iHeart, TuneIn...
- Many streaming sites offer a <u>download option to play offline</u>

## Free Download (to own)

- <u>iTunes</u> Store (now DRM-free)
- Amazon MP3 Store
- Google Play Music, 7digital, eMusic, Napster, Bandcamp...
  - And a word about <u>DRM-free</u> (and <u>this</u>)
  - Maybe also a word about <u>FLAC</u> and '<u>fingerprinting</u>'

# So many choices!

ALL DOWNLOADS  ALL HI-RES MUSIC DO	STREAMING MUSIC VIDEOS WNLOADS	RINGTONES CD&MINYL/MUSIC DVDS	MISC.
7DIGITAL MP3 download service.	ACOUSTIC SOUNDS Online store offering digital downloads as well as CDS and vinyl records for home delivery.	ACOUSTIC SOUNDS SUPER HIREZ Online store offering high- resolution digital downloads.	AMAZON MP3 STORE Online music store offering 20+ million songs to purchase and play on a Kindise Fera, Android districts, Photos, Pad, Pbd, Mac, and PC.
BEATPORT High-definition digital download music retailers specializing in dance music tracks, continuous mixes, and remixes.	CD UNIVERSE Online retailer offering MP3s for download as well as CDs and vinyl for home delivery.	CHRISTIAN BOOK Christian music MPas for downtoad as well as Christian music CDs for home delivery.	CLASSICAL ARCHIVES Fine. 60-encond classical music cigs and limited full-length classical songs for sheaming; classical sungit MP3s for download; and subscription-based, unlimited sheaming of classical stongs and albums.
FREEGAL MUSIC Free songs for on-demand streaming and oberinad intrough membership to select public thranes.	GOOGLE PLAY MUSIC Subscription-based, ad-free, unlimited, on-demand streaming of songs and abums plus customized streaming radio.	HDTRACKS Creine store offering high-resolution digital downloads.	iOLDIES Orline music stone selling music downloads as well as CDS and DVDs for home delivery, largeting the 50+ Baby Boomer market.
ITUNES STORE Download music, videos, ringlones, poocasts, and more.	ONKYO MUSIC Online store offering digital downloads, including in high resolution.	PRESTO CLASSICAL Online store offering high- resistation digital downloads and CDs and music DVDs for home stativery.	PRO STUDIO MASTERS Chiline store offering digital downloads, including in high resolution.
QOBUZ HI-FI Subscription-based, on-demand Hi-Fi quality streaming service, downloads syculable for purchase in multiple sound qualities.	QOBUZ PREMIUM Subscription-based, on-demand MP3 quality streaming service. Advantage of the subscription of the purchase in multiple sound qualities.	QOBUZ STUDIO Subscription-based, on-demand H-Rais quality streaming steering, plus downloads savailable for purchase in multiple sound qualities.	QOBUZ SUBLIME Subscription-based, on-demand H-Ras quality streaming steering, plus downloads available for purchase in multiple sound qualities (and at a discount in Hi-Ras).
SPRINT Store offering songs, ringtones, and ringback tones for Sprint customers.			

STREAMING MUSIC VIDEOS RINGTONES CD®/VINYL/ MISC. ALL DOWNLOADS ALL HI-RES MUSIC STREAMING ON DEMAND PREMIUM INTERNET RADIO AMAZON MUSIC AMAZON PRIME APPLE MUSIC CLASSICAL ARCHIVES UNI IMITED MUSIC Subscription-based, ad-free Subscription-based, ad-free, unlimited streaming of tens of Ad-free, unlimited streaming of and music videos, including classical music MP3s for millions of songs with offline hundreds of curated playlists. based, unlimited streaming of Amazon Prime subscription. DEEZER PREMIUM DEEZER FREE DEEZER HIFI ELECTRIC JUKEBOX'S Stream millions of songs and Subscription-based, on-demand Subscription-based, on-demand ROXI streaming of 40 million tracks and custom playfists via various and custom playlists via various for unlimited subscription streaming of tens of millions of tracks through your TV and home speakers along with other GOOGLE PLAY MUSIC FREEGAL MUSIC HOOPLA IDAGIO Free songs for on-demand streaming and download Subscription-based, ad-free, Free library lending service for through membership to select of soons and allyims nive computer phone or tablet classical music tracks in binh or via the mobile app. IHEARTRADIO PLUS iHEARTRADIO ALL ITUNES MATCH MIXCLOUD ACCESS million radio shows, DJ mixes, that enables streaming of one's streaming of hundreds of overmobile app, including the ability to customize stations, stream unlimited on-demand streaming save radio songs to playlists, and replay songs from radio. features, including offine NAPSTER PREMIER NAPSTER UNRADIO NAXOS MUSIC PANDORA PLUS LIBRARY demand streaming from mobile. customized streaming radio streaming of customized including unlimited downloads ability to listen to a limited songs in the classical genre and number of favorities on demand and save favorities for offline PANDORA PREMIUM PLAYSTER PRIMEPHONIC PRIMEPHONIC PLATINUM PREMIUM streaming of millions of songs and other media, including on a Service offering over a million classical music tracks for Service offering over a million classical music tracks for including offline access. portable device. streaming on demand in high resolution. streaming on demand in mp3

STREAMING MUSIC RINGTONES CDb/VINYL/ MISC. DOWNLOADS ALL HI-RES MUSIC STREAMING ON DEMAND PREMIUM INTERNET RADIO QOBUZ HI-FI QOBUZ PREMIUM QOBUZ STUDIO QOBUZ SUBLIME Hi-Fi quality streaming service. MP3 quality streaming service. Hi-Res quality streaming Hi-Res quality streaming service, including offline listening, plus downloads service, including offline listening, plus downloads purchase in multiple sound a discount in Hi-Res). SLACKER PREMIUM SLACKER RADIO SOUNDCLOUD SOUNDCLOUD GO RADIO PLUS Stream millions of songs for Subscription-based, ad-free, on Subscription-based, ad-free, including access from a mobile well as customized streaming mobile device. SPOTIFY PREMIUM SOUNDCLOUD GO+ TIDAL HIFI Subscription-based, ad-free Stream millions of songs and Subscription-based, ad-free offering unlimited streaming of albums for free. streaming of millions of songs and albums, to a computer or quality audio, including offline mobile device, including offline high-fidelity music, including WEYV TIDAL PREMIUM TREBEL YOUTUBE Subscription-based service offering unlimited streaming of Ad-supported app that allows Subscription-based service Free music videos and audioand playlists to your mobile of music, including offline playlists for on-demand videos, including offline access. YOUTUBE PREMIUM Subscription-based, ad-free music videos and audio-only songs, albums, and playlists for unlimited streaming, offline access, and background play.

# 12) Make money with your smartphone

- Getting paid to shop
  - CheckPoints
  - shopkick
  - ibotta
- Getting paid to watch
  - Jingit
  - <u>swagbucks</u> (and their <u>mobile app</u>)
  - viggle
- Getting paid to share
  - Airbnb (rent a room)
  - <u>ParkingPanda</u> (rent your driveway)
  - And then there's <u>Foap</u> (sell your photos)

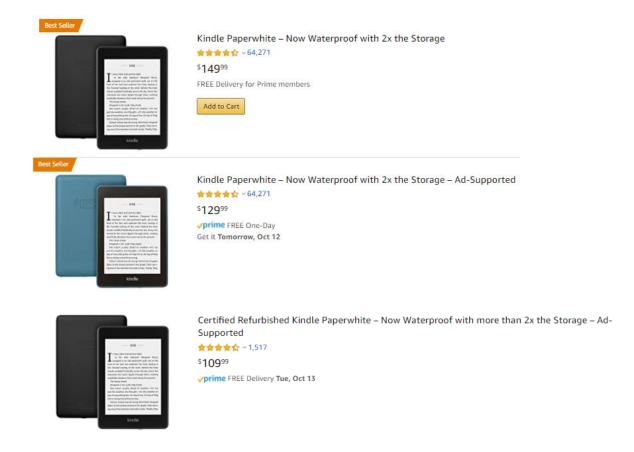
# 13) Find free books for your Kindle\*

- Start with your local <u>e-library</u> for free books
  - <u>Libby</u>, by (Rakuten) <u>OverDrive</u>- eBooks and audiobooks
  - Hoopla eBooks, music, movies & more
  - <u>cloudLibrary</u> eBooks and eAudiobooks
- eBook lending (eBookFling, BookLending.com, Lendle all gone!)
- Google Play Store 'rent' your eBooks and audiobooks
- What about <u>BookBub</u>, <u>Open Culture</u>, <u>Gutenberg</u>, and many <u>more</u>\*\*
  - <u>eReaderIQ</u> for free & discounted Kindle books (check out 'today's best deals')
  - <u>BookShare</u> for the learning/visually impaired

<sup>\*</sup>Incl. Kindle device, Kindle app, <u>Kindle Cloud Reader</u> \*\*<u>eReader Presigio</u> app recommended for some eBook formats

# And of course, a Kindle device

My favorite:



But don't buy until tomorrow because these devices will most certainly be discounted

# 14) Get notified when prices drop

- Want to get the best deal?
  - Honey browser extension, searches for coupons and discounts
  - Better is <u>camelcamel</u>, a free Amazon price tracker
  - And 9 more from the 'The 10 Best Deal-Tracking Sites'
    - TechBargains
    - Offers.com
    - Slickdeals
    - Ben's Bargains
    - Newegg.com
    - Woot
    - Jet.com (acquired by Walmart in 2016)
    - DealNews.com
    - PriceGrabber

# 15) Get free cloud storage (but why?)

- First, back your PC up with <u>Carbonite</u>, <u>BackBlaze</u>, <u>iCloud</u> or <u>SoS</u>
- Then use free cloud storage to backup important files, share photos/documents, stream stuff, & sync devices
  - My favorites:
    - Google Drive 15gb free, then \$1.99/mth for 100gb
    - Microsoft OneDrive 5gb free, then \$1.99/ mth for 100gb
    - iCloud 5gb free, then \$.99/ mth for 50gb
    - <u>Dropbox</u> 2gb free, then \$9.99/ mth for 2tb

## Cloud Storage & File Sharing Services (<u>source</u>)

#### Compare Specs: Our File Sync & Backup Picks

Our Pick			Rating	Emphasis	File Size Limit	Free Storage
IDriv@°	IDrive	>	EDITORS' CHOICE  ••••• 1 4.5  Review	Backup	2GB	5 GB
Sugar <b>Sync</b>	SugarSync	>	•••○ 3.0 <u>Review</u>	Simplicity, Ease of Use	Unlimited	
	Dropbox		●●●○ 4.0 <u>Review</u>	Simplicity, Ease of Use	2GB	2 GB
	Microsoft OneDrive Free at Microsoft Store	>	EDITORS' CHOICE  •••• 5.0  Review	Office Apps	15GB	5 GB
box	Box (Personal)		● ● ● ● ○ 3.5 Review	Business Use, Compatibility	5GB	10 GB
4CertainSafe	CertainSafe Digital Safety Deposit Box Free Trial at CertainSafe	>	EDITORS' CHOICE  ••••• 4.5  Review	Security	2GB	
	Google Drive		EDITORS' CHOICE  ••••• • 4.5  Review	Full service file storage, sharing, syncing, and collaboration	5TB	15 GB
<sup>©</sup> One Backup	SpiderOak ONE	>	●●●●○ 3.5 <u>Review</u>	Security	Unlimited	
	Apple iCloud Drive Free at Apple.com	>	●●●●○ 3.5 Review	Apple Device Users	15GB	5 GB

### 16) Turn web sites into free mobile magazines

 Get <u>pocket</u> – a free app/service that clips Web pages and turns them into perfectly formatted mobile reading material

Welcome to Pocket. You're about to embark on a journey, one where the vast swaths of information you discover online become knowledge. Everywhere you go with Pocket, the words, sounds, and stories that delight, enlighten, and even shape you will be at your fingertips. And you'll be able to consume and organize it all in whatever way works best for you...

- 16 Pocket Tips to Help You Read it Later minus 12
  - Add 'Save to Pocket' extension

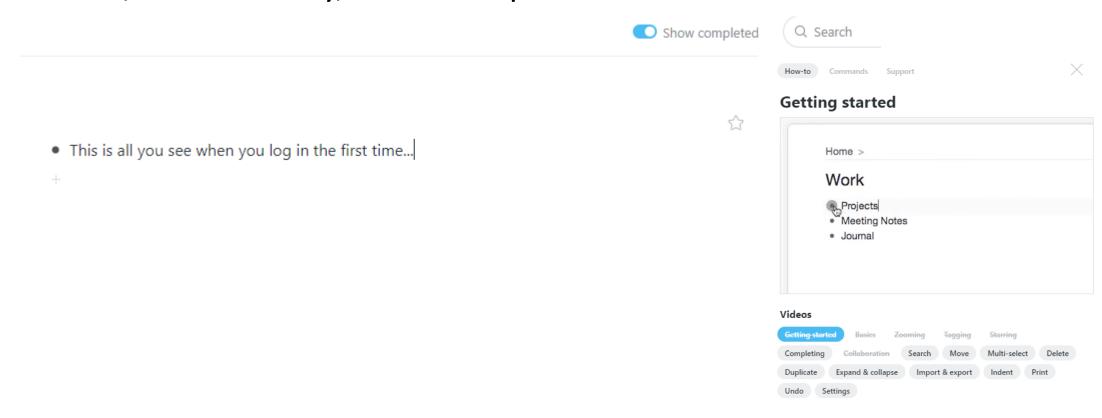


- Use pocket to save content to 'My List', share with friends, stream to Alexa\*
- Delete content when it's no longer needed
- And maybe you want pocket to read to you? It does that too...

<sup>\*</sup>Alexa uses the Pocket Cast 'skill' to link pocket with Alexa

### 17) Organize your life with WorkFlowy

 Workflowy – a free, Web-based organizer that makes your brain neater, more orderly, and more productive



## 18) Take college courses for free (or cheap)

- My favorites aren't free:
  - Great Courses Plus \$10/mth\*
  - <u>Udemy</u> \$9.99/course\*\*
- But there are MANY options that are:
  - OERu
  - EdX free to learn, pay for certificate
  - <u>Saylor</u> Tuition-Free College Credit Courses
  - <u>Coursera</u> free to audit courses, but graded assignments and certificates cost
  - <u>Udemy</u> some free courses, but most cost something (usually not much)
  - <u>Harvard Open Courses</u> nothing free here
  - Yale Open Courses enroll in Yale's free courses via the Coursera Web site
  - <u>UoPeople</u> receive an online degree program completely tuition-free
  - Khan Academy free, world-class education for anyone, anywhere (Sal's TedTalk, and this)
  - Academic Earth not sure about this site, seems like a front-end to paid programs...

<sup>\*</sup>Sign up for free trial, cancel, then wait – they'll send you an offer you can't refuse \*\*Wait for their sales

# Khan Academy

MATH: PRE-K - 8TH GRADE	MATH: HIGH SCHOOL & COLLEGE	SCIENCE	ARTS & HUMANITIES	READING & LANGUAGE ARTS	
Up to 1st grade (Khan Kids)	Algebra 1	High school biology	US history	Up to 1st grade (Khan Kids)	
2nd grade	Geometry	AP®/College Biology	AP®/College US History	2nd grade	
3rd grade	Algebra 2	AP®/College Chemistry beta	US government and civics	3rd grade	
4th grade	Trigonometry	AP®/College Chemistry	AP®/College US Government	4th grade	
5th grade	Precalculus	High school physics NEW	& Politics	5th grade	
6th grade	Statistics & probability	AP®/College Physics 1	High school civics NEW	6th grade	
7th grade	AP®/College Calculus AB	See all Science	World History Project - NEW Origins	7th grade	
8th grade	AP®/College Calculus BC	COMPUTING	World History Project - NEW	8th grade	
See all Math	AP®/College Statistics		1750	9th grade	
	Multivariable calculus	Computer programming	Art history	See all Reading & Language Arts	
MATH: GET READY COURSES	Differential equations	AP®/College Computer Science Principles	AP®/College Art History		
Get ready for 3rd grade	Linear algebra	See all Computing	See all Arts & Humanities	LIFE SKILLS	
Get ready for 4th grade	See all Math		ECONOMICS	Social & emotional learning	
Get ready for 5th grade				(Khan Kids)	
Get ready for 6th grade	TEST PREP		Macroeconomics	Careers	
Get ready for 7th grade	SAT		AP®/College Macroeconomics	Personal finance	
Get ready for 8th grade	LSAT		Microeconomics	Growth mindset	
Get ready for Algebra 1	Praxis Core		AP®/College	See all Life Skills	
Get ready for Geometry			Microeconomics		
Get ready for Algebra 2			See all Economics		
Get ready for Precalculus					

### 19a) Lower your monthly smartphone bill

No more smartphone contacts – ever! <u>The Best Cheap Cell Phone Plans (Under \$40 per Month)</u>

- <u>T-Mobile</u> The best cheap cell phone plan you can get right now
  - Best Plan: 2GB | Monthly Rate: \$15 | Parent Network: T-Mobile
- Metro by T-Mobile The best discount carrier overall
  - Best Plan: 10GB | Monthly Rate: \$40 | Parent Network: T-Mobile
- Republic Wireless Most flexible cheap cell phone plans
  - Best Plan: 2GB | Monthly Rate: \$25 | Parent Network: Sprint, T-Mobile
- Visible The most data for \$40 a month
  - Best Plan: Unlimited | Monthly Rate: \$40 | Parent Network: Verizon
- Mint Mobile The best rates if you buy in bulk
  - Best Plan: Unlimited data | Monthly Rate: \$30 | Parent Network: T-Mobile
- Google Fi Best cheap cell phone plans for globetrotters
  - Best Plan: 2GB | Monthly Rate: \$40 | Parent Network: Sprint, T-Mobile, US Cellular
- Boost Mobile A compelling alternative to Metro by T-Mobile
  - Best plan: 10GB | Monthly Rate: \$35 | Parent Network: T-Mobile
- Consumer Cellular Best cheap cell phone plans for seniors (AARP discount)
  - Best Plan: 3GB | Monthly Rate: \$30 | Parent Network: AT&T, T-Mobile

### 19b) Lower your monthly land-line bill

- VoiP and Analog Telephone Adapters (ATAs) what are these?
  - My favorite <a href="ATAs">ATAs</a> (assumes you have a good Internet service provider)
    - Current favorites: MagicJack and ObiHai
    - Previous favorite: Ooma
    - Not such a great deal: **ZTE Wireless Home Phone Base**
    - Also consider <u>WhatsApp Messenger</u> for international calling









### Tablets and Smartphones

- Operating Systems
  - Two choices: <u>Android</u> or <u>Apple</u> (iOS)

**Android vs. iOS - Differences That Matter** 



- Devices
  - Some sites to help you choose:

Best Phones in 2020 – Toms Guide

Best Cheap Phones in 2020

Best Cheap Tablets for 2020





## \$599 to repair my iPhone! Really? (source)



### 20) Add Bluetooth to your stereo/soundbar

- What's Bluetooth?
  - a <u>wireless</u> technology for exchanging data between fixed and mobile devices over short distances (uses 2.400 to 2.485 GHz)
- My favorites:
  - Soundbar: Vizio SB3651-E6 36" 5.1 Channel SmartCast (\$200)
    - Has Bluetooth and Chromecast\* built in
  - Google Chromecast Audio (\$30)
  - Amazon Echo Input (\$20, not available)
  - TP-Link NFC-Enabled Bluetooth 4.1 Receiver (\$20)
    - What's NFC?
  - Amazon Echo Auto (\$50, sale \$20)



## Bucks County Free Library

### Live Help

Don't worry about coming in to the library. Our skilled staff members can help with your personal devices and computers over the phone and with remote software. If you are receiving an error message on cloudLibrary, Flipster, or Hoopla please fill out this

form: buckslib.org/downloadsupport.

For 24/7 reference questions and research help, try <a href="Chat">Chat</a> with a Librarian, Pennsylvania's free statewide live chat reference service.

Select a service to schedule an appointment.

How to Download or Stream Books, Music, and Movies Learn how to use cloudLibrary or Hoopla.

<u>Guided Tour of a Library Resource</u>We will walk you through one of our many resources such as JobNow for resume help or Lynda.com for learning new skills.

**DIY Links & Downloads** 

•Test Your Broadband Speed

Scan for viruses, malware, spyware, and other system weaknesses.

- Download & Scan for Windows
- Download & Scan for Mac OS



#### Ancestry.com

Trace your family tree. Please note there are some differences between the personal and library editions of Ancestry.com. Access to this resource has been temporarily expanded to library cardholders working remotely, courtesy of ProQuest and its partner Ancestry.



#### Brainfuse HelpNow

Study help and live online tutoring available daily from 2pm – 11pm for elementary through college students with a special section for adult learners





#### Brainfuse JobNow

Live online coaches for resume and job interview preparation available daily from 2pm – 11pm

#### Chat with a Librarian

Chat now with a real librarian for help on any topic. We're open 24/7!



eBooks and eAudiobooks



### Consumer Reports

Read reviews on thousands of products



Flipster

eMagazines



Heritage Quest

Discover your family history today



### Hoopla

Borrow video, music, eBooks, and eAudiobooks



### Learning Express

Tutorials, skill practice sets, test preparation, and more for high school through adult



#### Lynda.com

Online video classes from beginner to expert in business, software, technology, and creative skills



#### MorningStar

Comprehensive financial information on stocks, funds, ETF's, and more



#### New York Times - Home Use

Access to real time news present day to 1981 and archives available between 1851 – 1922 Each session will expire after 24 hours



#### New York Times – In Library Only

Access to real time news present day to 1981 and archives available between 1851 – 1922



#### NewsBank

Access to full text articles from local newspapers including Courier Times, The Intelligencer, Philadelphia Inquirer, and The Morning Call



#### **NextReads**

Wondering what to read next? Get reading recommendations by email. Choose from more than 25 e-newsletters, each focused on a genre or topic, delivered right to your inbox.



Novelist

Book recommendations for all ages



Power Kids

Power Library e-resource portal for children



### Power Library

This project is made possible in part by
Library Services and Technology Act (LSTA)
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Library Services and through Library Access
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Tom Wolf, Governor.

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Free Library through the support of the
Hamilton G. Disbrow Trust: Brainfuse
HelpNow and JobNow, Consumer Reports,
Lynda.com, Morningstar, NewsBank, and The
New York Times!

### Plus: Home Security

- Not cheap: ADT (\$43.57/mth after setup 3 yr. contract)
- Most Affordable Home Security Systems
  - <u>SimpliSafe</u> Most Affordable Home Security Overall
  - Abode Cheapest No Contract Home Security System
  - <u>Frontpoint</u> Best Cheap DIY Home Security
  - <u>Protect America</u> Best Rural Home Security
  - <u>Scout</u> Cheap Home Security System Equipment
  - Brinks Easiest to Setup

### Best Home Security Systems

puts SimpliSafe on top again!

System	SimpliSafe SimpliSafe	vivint.	ADT  Addressed Product  ADT  Product  Base  Base  ADT	Alder Security  ALDER	Frontpoint  Frontpoint	Brinks Home Security	Abode  a b o d e	Protect America	Nest Secure  Nest Secure	Ring Alarm
Ranking	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
Ratings	9.8/10 Best Overall	9.4/10 Best Home Automation	9.3/10 Best Pro Install	9.0/10 Best Response Times	8.9/10 Best No Contract	8.6/10 Best for Renters	8.5/10 Best No Monthly Fee	8.2/10 Best Landline Security	8.1/10 Best for Google Home	7.7/10 Best for Alexa
Monthly Plan	\$14.99 and Up	\$29.99 and Up	\$28.95 and Up	\$40.00 and Up	\$34.99 and Up	\$29.00 and Up	\$8.00 and Up	\$19.99 and Up	\$24.99 and Up	\$3.00 and Up
Contract Length	None	42-Months	36-Months	36-Months	None	36-Months	None	36-Months	36-Months	None
Installation Type	DIY	Professional	DIY/Professional	DIY	DIY	DIY	DIY	DIY	DIY	DIY
Package Cost	\$199 and Up	\$599 and Up	\$99 and Up	\$40 and Up	\$130 and Up	\$399 and Up	\$179 and Up	None	\$299 and Up	\$199 and Up
Read Review	SimpliSafe Review	Vivint Review	ADT Review	Alder Security Review	Frontpoint Review	Brinks Home Security Review	Abode Review	Protect America Review	Nest Secure Review	Ring Alarm Review

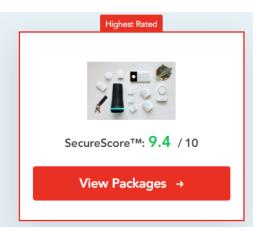
### Plus: Home Security

And the winner is!

### SimpliSafe Home Security System

A Top Choice for an Affordable, No-Contract, DIY Security System

Last Updated On: August 28, 2019



With SimpliSafe, there's no monthly fees, installation costs, or contracts required. Their monitoring is very reasonable starting at only \$15/month. If you have a change of heart, you can always cancel and self monitor for free.

• I'm going with these guys when my ADT contract ends!!

### Plus: Home Security

- A couple other options/devices to consider:
  - Wyze Cam (\$20) + Wyze Sense Starter Kit (\$20)
  - Ring Video Doorbell 2 (\$140 refurbished)



