

FSD and Cyber Safety





Who is this Guy?



- Grew up in Fullerton, Rolling Hills Ladera Vista, graduated CSUF
- In industry for 28 years
- With FSD 18 years
- In charge of district network
- Do digital forensics investigations and data recovery and data destruction
- Father of 3 boys
- In my free time I repair computers, do data recovery and data destruction, digital forensics investigation, and play jazz guitar.



Securing Yourself



- Phishing and Popups.
- Poor password security.
- Out data systems.
- Lost Mobile devices and other accidental data loss.
- Sharing too much on social media.
- Not realizing you are a target!



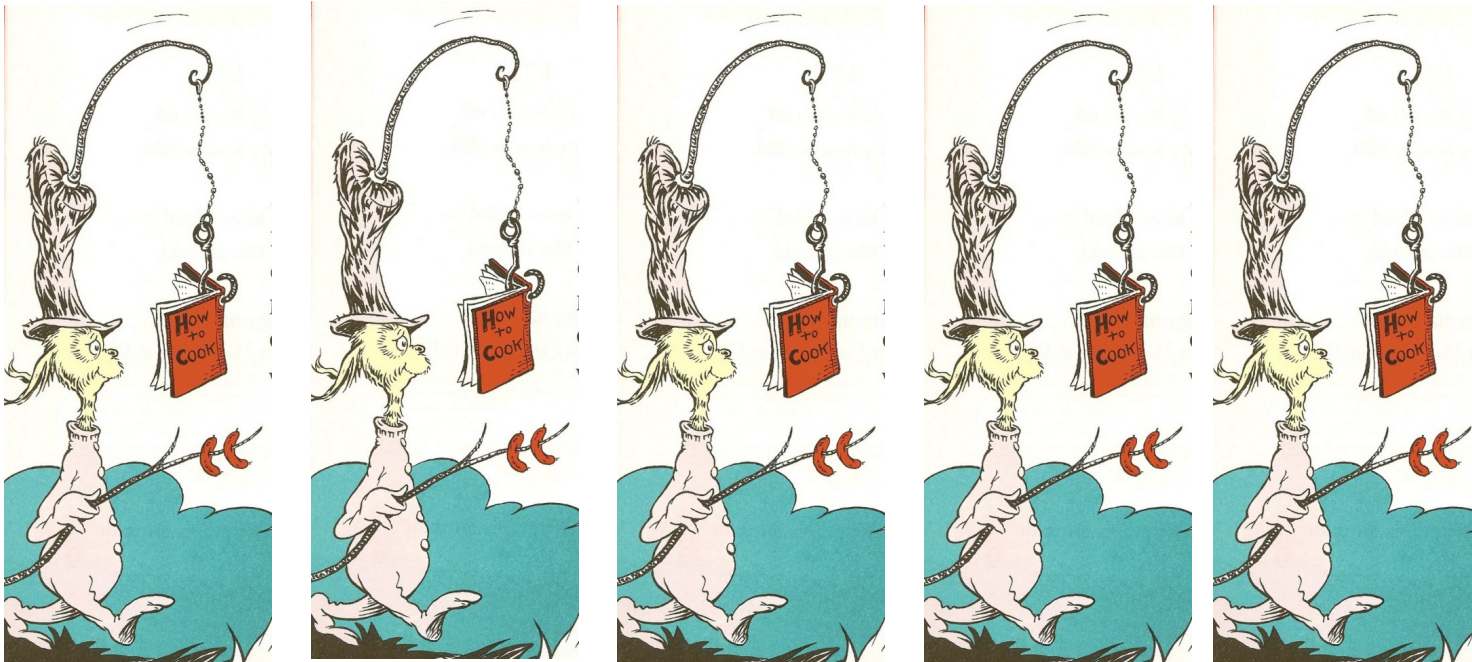
Hackers and More on the “Why”



- Should you use “FREE” services?
- How hackers operate.
- Your data is the new currency, you should know how much your paying.



Phishing and Pop Ups



What to Look For Common Clues



- Message that creates a sense of urgency.
- It sounds too good to be true (no you did not just win the lottery)!
- Official organizations don't usually send messages full of grammatical errors and spelling mistakes
- Personal emails @gmail.com @yahoo.com @hotmail.com



What to Look For Common Clues cont.



- Message is generic “Dear Customer” “Dear NETFIX User” “Dear Wells Fargo Customer”.
- No legitimate organization should request sensitive info over email (password, credit card or social security number).
- Message comes from someone you know but “something isn’t right”. From boss, co-worker, friend to gain trust.



Example Email



Dear Customer,

Unfortunately we unable to deliver your package this morning. We will be making two more attempts in the next 48 hours. If we are unable to deliver your package we will then have to return to sender. Please verify that your delivery address is correct by clicking on the link below, or updating the attached document.

Order# 44187

Shipping Tracking Information

Shipping Provider: UPS

Tracking #: 1Z9Y424V039787851X

Tracking Information: <http://www.ups.com/tracking/1Z9Y424V039787851X>

Ship Date: 18/10/2012

Thank you,
United Parcel Service



[PackageTracking.pdf \(91 KB\)](#)



Example Email



NETFLIX

We're sorry to say goodbye

Hello,

iTunes let us know that you asked to cancel your membership. We've cancelled your membership effective Tuesday, March 21st, 2017.

Obviously we'd love to have you back. If you change your mind, simply [restart your membership](#) to enjoy all the best TV shows & movies without interruption.

[RESTART MEMBERSHIP](#)

We're here to help if you need it. Visit the [Help Center](#) for more info or [contact us](#).

–Your friends at Netflix

Questions? Call 1-866-579-7172

This account email has been sent to you as part of your Netflix



Securing Your Home Network



- Change default password on router.
- Always use WPA2 passwords.
- Know all your devices (baby monitors, game consoles, TV's and your car).



It's Tax Season. ..yay



Warning Signs of an Online Tax Scam:

- An email or link requesting personal and/or financial information, such as your name, social security number, bank or credit card account numbers, or any additional security-related information.
- Emails containing various forms of threats or consequences if no response is received, such as additional taxes or blocking access to your funds.
- Emails from the IRS or federal agencies. The IRS will not contact you via email.
- Emails containing exciting offers, tax refunds, incorrect spelling, grammar, or odd phrasing throughout.
- Emails discussing "changes to tax laws." These email scams typically include a downloadable document (usually in PDF format) that purports to explain the new tax laws. However, unbeknownst to many, these downloads are almost always populated with malware that, once downloaded, will infect your computer.



Other Good Habits For Staying Safe



- Keep your software up to date.
- If you share a device have separate accounts.
- Computer should have firewalls and antivirus.
- Before disposing of a device have it professionally wiped
- Use pins and pass codes.



Accounts and Passwords



Password Selection What To Do....



- Minimum 12 characters
- 1 Symbol
- 1 Number
- 1 Capital letter

2R*vb3!kcV



Password Selection What NOT To Do....



~~Password1~~

~~1401Valencia~~

~~F@cebook1~~

~~Pet Names, Kids Names, Birthdays, Street Addresses~~



Password Selection Why It's Important

A screenshot of a CBS News article header. The background is dark with white text. At the top left is the CBS News logo. To its right are navigation links: NEWS, EYE ON EARTH, SHOWS, and LIVE (with a red dot). Further right are a grid icon and a search icon. The main headline is in large, bold, white font. Below the headline is the author's name and the date/time. At the bottom right are social media icons for Facebook, Twitter, and a share icon.

CBS NEWS NEWS ▾ EYE ON EARTH ▾ SHOWS ▾ LIVE ▾

Hacker spoke to baby, hurled obscenities at couple using Nest camera, dad says

BY ALEX SUNDBY
JANUARY 31, 2019 / 1:05 PM / CBS NEWS

f t



Sharing too Much on Social Media



Bits and pieces add up to BIG holes.



Shares and Likes



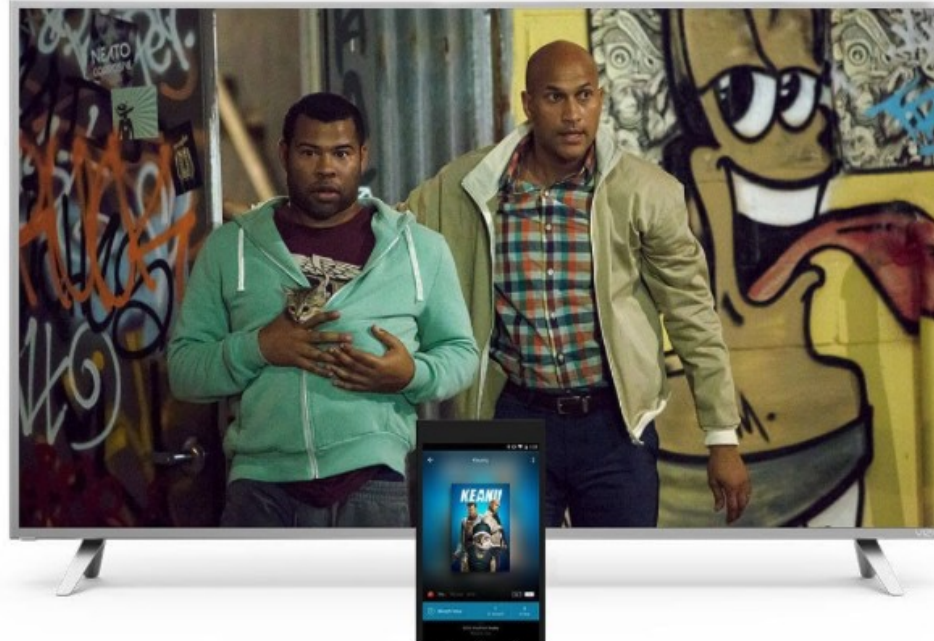
- Bits and pieces make a big “security hole”
- Post vacation later, never say when you’re out of town
- Don’t share work related information
- What they already know, BIG DATA





Home > Technology Intelligence

Vizio smart TVs tracked what viewers were watching without consent



Vizio had sold more than 11 million of smart televisions with tracking software CREDIT: VIZIO





The New York Times

Your Roomba May Be Mapping Your Home, Collecting Data That Could Be Shared



The Roomba 980 from iRobot, which was released in 2015. Some of the company's robotic vacuums collect spatial data to map users' homes. iRobot. via Reuters





Google says the built-in microphone it never told Nest users about was 'never supposed to be a secret'

Nick Bastone Feb. 19, 2019, 9:04 PM





Facebook fails to block \$35bn class action lawsuit over facial recognition

By E&T editorial staff

Published Monday, October 21, 2019

Facebook is facing a trial over its alleged misuse of users' facial recognition data, having failed to halt a class action lawsuit in its tracks.

The social media giant started scanning faces in photos in 2011 in order to provide photo tag suggestions, asking users if certain friends were included in newly-uploaded photos.

A class action lawsuit was filed against Facebook over the feature in 2015, alleging that citizens of Illinois did not consent to having their photos scanned with facial recognition software and were left unaware of how long the data would be retained. Under Illinois' Biometric Information Privacy Act, Facebook could face a fine of between \$1,000 and \$5,000 for each of its seven million Illinois-based users, with a maximum fine of \$35bn (many times higher than the





- Bits and pieces make a big “security hole” in other Waze!



Things FSD Does



- <https://www.commonsense.org>
 - Filtered Internet.
 - Tracking



Common Sense Media and Digital Citizenship



GRADE 3

This Is Me

How does what I post online affect my identity?

OVERVIEW

LESSON PLAN



Unlock free lesson



From selfies to social media, many of us create unique online identities for ourselves, and our students are no different. But do kids always understand how others might perceive what they post? Help your students think critically about the online identities they're creating.



Students will be able to:

- Consider how posting selfies or other images will lead others to make assumptions about them.
- Reflect on the most important parts of their unique identity.
- Identify ways they can post online to best reflect who they are.

Lesson Snapshot

Estimated time: 45 mins.

Warm Up:	Introducing ... Me!	15 mins.
Interact:	How I See You	15 mins.
Wrap Up:	Selfie Do-Over	15 mins.



DIGITAL FOOTPRINT & IDENTITY

We define
who we are.

[See standards](#)

This lesson meets standards for Common Core ELA, CASEL, AASL and ISTE.



Common Sense Media and Digital Citizenship



FSD Matrix

Lesson Digital Footprints



Common Sense Parent Resources



 common sense education

> [Grades K-5 Family Tips](#)

Help Kids Post, Comment, and Upload Responsibly



DIGITAL FOOTPRINT & IDENTITY
We define
who we are.

As soon as you share the first photo of your kid, you're establishing their digital footprint. As kids get older and start creating their own content or engaging with others online, it's important for them to understand the tracks they're leaving behind and what those tracks might reveal. Parents can help guide kids toward creating the kind of footprint they can be proud of.

[Check out these 4 tips](#)

- 1 Be a role model.**
Before you post a photo of your kid on social media, ask if it's OK to share. Not only will you give them control over their own digital footprint, you'll also be showing them what you expect them to do with others' photos.
- 2 Use privacy settings.**
Together, go through all the settings on new apps to make sure you both know what information your kids are sharing. Especially in the beginning, it's better to share very little.
- 3 Question everything.**
Before you sign school forms or register for a new online service for your kid, check the privacy policy to see what kind of information you're giving the school or company and who they're sharing it with. Sharing some data might be required, but you may be able to opt out of others. Talk with your kid about why it's important to protect your personal data.
- 4 Use a celebrity as an example.**
With older kids, choose a celebrity or another famous person and look through their Twitter or Instagram posts with your kid. Discuss your impressions of them based on what they post. Ask your kid what kind of image they'd like to project online.

<https://www.commonsense.org/education/family-tips/k-5-digital-footprint-and-identity>

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Internet Filtering



What it is and what it isn't



Sites and Categories

<input checked="" type="checkbox"/>	education.shorteners URL Shorteners used in Education	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None Selected
LOCAL					
<input checked="" type="checkbox"/>	local-allow Local override for allowing websites	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None Selected
<input type="checkbox"/>	local-block Local override for blocking websites	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None Selected

Normally Blocked Categories

MATURE					
<input type="checkbox"/>	access-denied Access denied	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None Selected
<input type="checkbox"/>	alcohol Production, promotion and sale of alcoholic beverages	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None Selected
<input type="checkbox"/>	drugs Sites promoting illicit and illegal drug use	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None Selected
<input type="checkbox"/>	gambling Gambling, casinos, betting, lottery and sweepstakes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None Selected
<input type="checkbox"/>	offensive Websites considered to be offensive to both adults and children	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Learn more about sealed categories
<input type="checkbox"/>	porn Pornography related sites	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None Selected
<input type="checkbox"/>	porn.illicit Websites containing illegal pornographic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Learn more about sealed categories



Internet Reporting

★ Activity Logs

Save ▾



10-29-19 12:00 am - 10-29-19 10:45 pm ▾

IP ADDRESS	USER	DESTINATION	PROTOCOL	ACTION	CATEGORY	REASON	RULE SET
10.22.30.226		38.78.216.84:3000		⊖	Unknown	Peer-to-Peer	
172.249.145.126	mmendiola2704	https://safebrowsing.googleapis.com		⊕	computers	Domain	FSD Default
172.16.128.65		https://configuration.ls.apple.com	443 (htt...	⊕	computers	Domain	FSDTeacher
76.89.239.189	dmirabueno0907	https://oauthaccountmanager.googleapis.com		⊕	computers	Domain	FSD Default
76.89.239.189	dmirabueno0907	https://people-pa.googleapis.com		⊕	computers	Domain	FSD Default
172.16.144.190		https://cp801.prod.do.dsp.mp.microsoft.com	443 (htt...	⊕	local-allow	Domain	FSDTeacher
10.22.140.244		https://portal.etrition.com	443 (htt...	⊕	education	Domain	FSD Default
172.16.0.43		http://spectrum.s3.amazonaws.com	80 (http)	⊕	computers	Domain	FSDTeacher
172.16.144.190		https://fe3cr.delivery.mp.microsoft.com	443 (htt...	⊕	local-allow	Domain	FSDTeacher
76.94.26.216	3001610	https://www.googleapis.com		⊕	computers	Domain	FSD Default
76.169.192.247	jhelmer2108	https://mesu.apple.com		⊕	iOS Updates	Domain	FSD Default
172.90.42.187	792271	https://safebrowsing.googleapis.com		⊕	computers	Domain	FSD Default
76.89.239.189	dmirabueno0907	https://classroom.google.com		⊕	local-allow	Domain	FSD Default
172.17.0.244		208.184.49.9:123	123 (ntp)	⊖	Unknown	Peer-to-Peer	
172.17.48.190		https://clientservices.googleapis.com	443 (htt...	⊕	computers	Domain	FSDTeacher
99.59.125.187	amunoz2311	https://safebrowsing.googleapis.com		⊕	computers	Domain	FSD Default
10.22.80.152		24.36.240.156:3000		⊖	Unknown	Peer-to-Peer	
10.22.80.102		24.36.240.156:3000		⊖	Unknown	Peer-to-Peer	

Home Monitoring



Device usage is always in a public place.
No account allowed I don't have a password to.



Home Monitoring Electronic



OpenDNS <https://opendns.com>

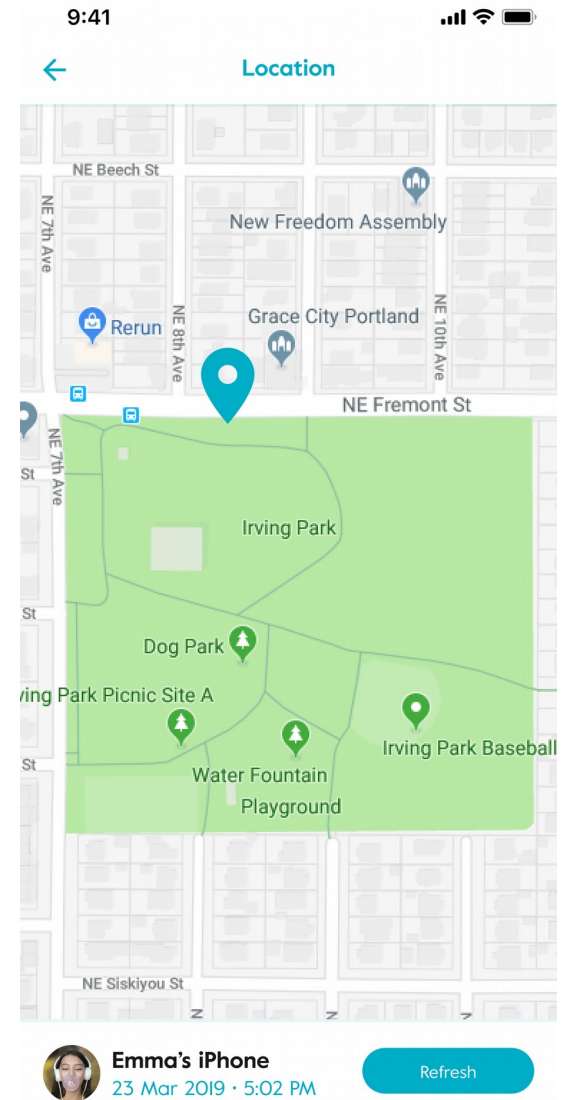
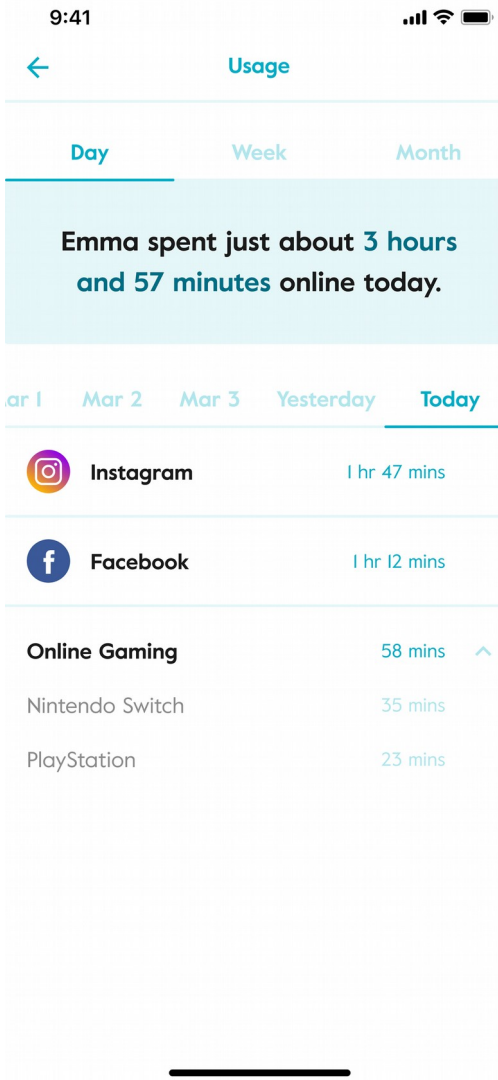
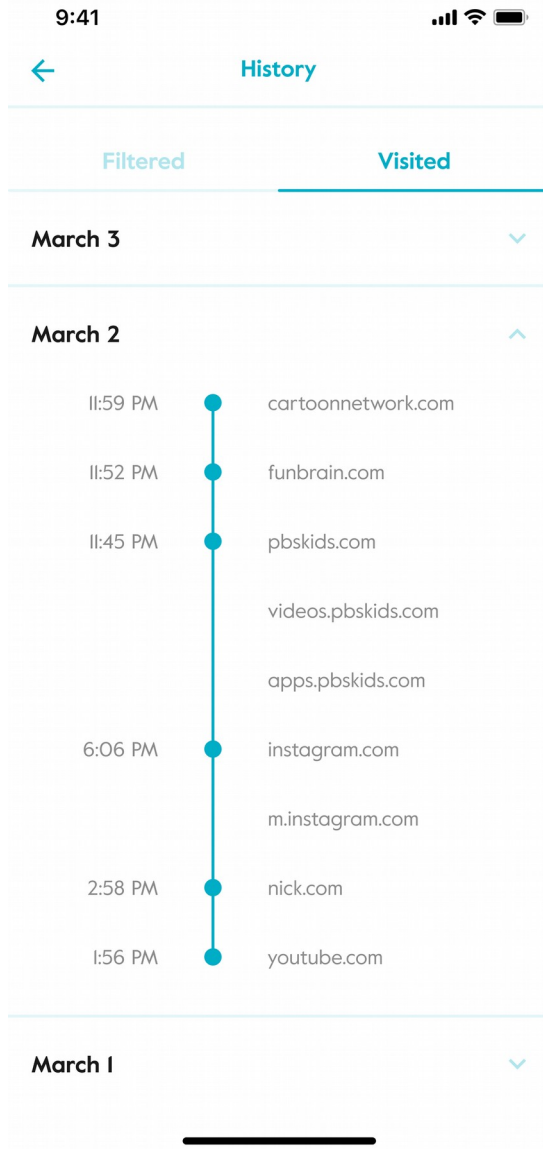
OurPact <https://ourpact.com>

Circle <https://meetcircle.com>

AT&T <https://att.com/smarthomemanager>



Home Monitoring Cont



ATT Smart Home Manager

- **Set filter profiles for devices on what you deem appropriate.**
- **Set bed times and access times.**
- **Block all or some devices.**



Q & A



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