

A hand is holding several yellow pill bottles. The bottles are arranged in a row, and each has a white label with a different social media logo. From left to right, the logos are Twitter (a blue bird), Facebook (the word 'facebook' in white on a blue background), and YouTube (the word 'Tube' in white on a red background). The background is a blurred image of a person in a white lab coat, suggesting a medical or clinical setting.

facebook

*Technology
Addiction*

Technology Addiction

- **At least 4** of the following signs and symptoms are thought to comprise criteria for cell phone addiction/Internet Gaming Disorder, and the problematic cell phone overuse must cause significant harm in the individual's life:
 1. **Preoccupation** with smartphone use / gaming.
 - Excessive use characterized by loss of sense of time
 - Thinking about playing games even when you are not playing them
 2. **Withdrawal**, when cell phone or network is unreachable – or trying to cut down or stop playing games
 - Anger – Tension – Depression – Irritability – Restlessness – Anxiety
 3. **Tolerance**
 - Need for newest cell phone, more applications, or increased use.
 - A need to use the cell phone more and more often in order to achieve the same desired effect.
 - The need to play for more time, more exciting games, or use more powerful equipment over time
 4. **Persistent failed/unsuccessful attempts** to use cell phone less often or cut back/stop playing games
 5. **Loss of interest in other hobbies and activities** – reduced participation with others and activities
 6. **Excessive cell phone use/playing games despite problems** – not enough sleep, late to school/work, spending too much money, etc.
 7. **Escape or Relief from a negative mood** – escape/forget about personal problems or to relieve uncomfortable feelings
 8. **Deception** – Lying to others about how much you use your phone or game; keeping others from knowing how much you game or use your phone
 9. **Jeopardizing/Loss of Relationships, Career, Educational Opportunities** - Has put a relationship or job at risk due to excessive cell phone use.

Technology Addiction

Why?

A Variable Reward System

- Every reward is unique; it changes every minute

Distraction

- boredom; unpredictability

No Stopping Cues

- The content never stops!!
- Infinite scrolling; binge watching
- Auto Play Videos

Vanity Metrics

- We are obsessed with numerical goals
(i.e. running 10 miles; 100 likes)

Self Awareness

- We don't realize how much time we spend online



Technology Addiction

The Problem ...

Correlates of Problematic Mobile Phone Use/Dependency

Psychological distress
Impulsivity
Loneliness
Sleep Disturbances
Digital Eye Strain
Car Accidents
Aggressiveness
Learning Difficulties
Low Self Esteem
Social Isolation
Extreme Shyness

Extraversion
Neuroticism
Anxiety
Stress
Neck Problems
Obsessive Compulsive Disorder
Delinquency
Lower GPA
Introversion
Insomnia

Urgency
Depression
Low Social Skills
Functional Impairment
Increased Illnesses
Relationship Problems
Text Walking
Greater Unhappiness

MRSA and E.coli bacteria have been found on phones!!



Popular Risky Apps



Calculator Vault

- ❑ There are numerous applications called this with different colored calculators
- ❑ Application that looks like a calculator on your phone but hides applications and photos on your device.
 - ❑ You can open hidden apps in Calculator Vault.
 - ❑ Also provides a hidden picture function, your pictures import into the gallery, others can not see these photos.
- ❑ The application is password protected!
- ❑ Any applications on your phone can be used in the Vault itself
- ❑ The application is just a standard calculator unless you know the password
- ❑ The app has a camera function, so photos stay hidden within the application

Popular Risky Apps

Other Apps that Hide Things



Gallery Lock Lite



Clock - The Vault



Hidy



Keepsafe



Lynx



App Hider



My Secret Diary



Vault



Hide Something



App Lock

Popular Risky Apps



Whisper

- ❑ Social “confessional” app
 - ❑ Allows to post whatever is on your mind, paired with an image
 - ❑ Anonymous
- ❑ Whispers are often sexual in nature
 - ❑ Users try to hook up with people nearby
 - ❑ Nearly nude pictures accompany some shared secrets
- ❑ Content can be dark in nature
 - ❑ Insecurity, depression, substance abuse, various lies told to employers and teachers.
- ❑ Encourages users to exchange personal information in the “Meet Up” section
- ❑ A user will post whatever is on their minds by typing in a blank field then the app suggests what it feels is an appropriate image to accompany the thought.
- ❑ Whispers can be browsed by topic, nearby location, popularity, or time posted.

Popular Risky Apps



TikTok – Musical.ly



- App – lip-synching app is now a video-sharing service
- The ability to "go live" at any time
- Users can create and upload videos, remix others' work, or browse content created by other users and by famous recording artists.
- As of August 2018
 - Digital Well Being settings allow parents to set two hour screen time limits with the app (locked with a password)
 - Restricted Mode (also password protected) can help filter out inappropriate content.
- Users cannot delete accounts themselves and must request a delete code from the developers after submitting their phone numbers.
- Songs and videos contain lots of iffy content.

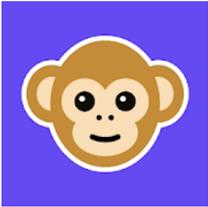
Popular Risky Apps



Yubo – Formerly Yellow

- “The Tinder of Teens”
 - ▣ You swipe right or left to accept or reject the profiles of other users
 - ▣ If two people swipe right on each other they can chat and hook up via Snapchat or Instagram
- It is easy to lie about your age
 - ▣ The app will auto default to an appropriate age even if you put something in prior to the age of 13.
- You have to share your location and other personal information
 - ▣ You have to let it “geotag” you
 - ▣ No private profiles
- It encourages you to contact strangers
- You create a profile with photos, videos, and links to your Snapchat and Instagram profiles

Popular Risky Apps



Monkey

- ❑ Chats -- Randomly matched with strangers for a video chat
- ❑ Using Snapchat to connect – users have 10 seconds to live video-chat with strangers
 - ❑ You can add more time to the chat or add the person to Snapchat to continue to the connection
- ❑ Before beginning a chat, a user will receive the stranger's age, gender, and location and can choose whether to be matched or not.
- ❑ No verification of age.
- ❑ Personal information is collected and can be shared with third parties
- ❑ To signup you have to share your phone number and Shapchat username and password as well as invite friends by messaging them.
 - ❑ Message will read: “Yo (name) someone was talking about you...”
- ❑ Once registered, opening the app starts a connection with another user

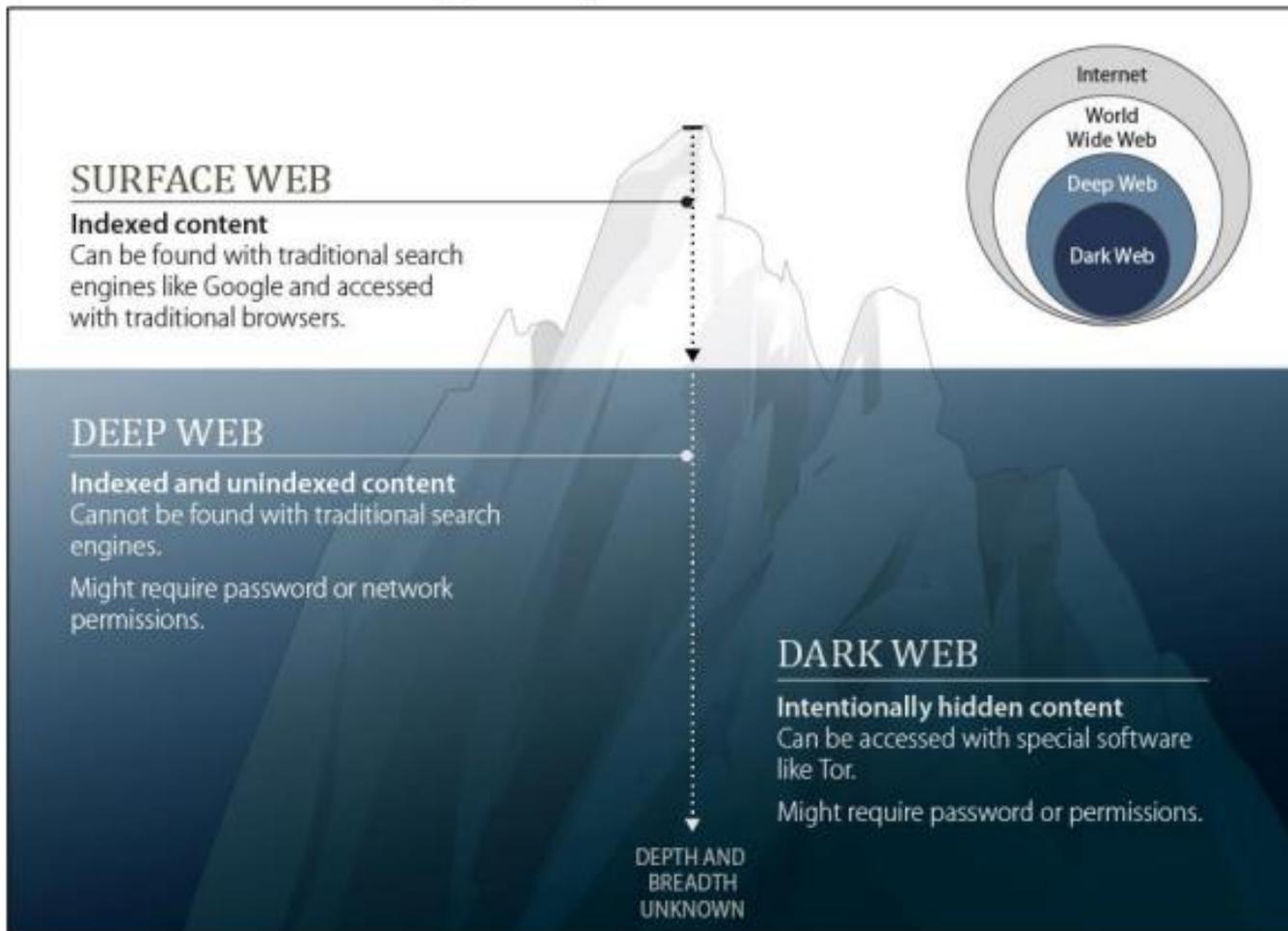
Social Media Tips

- ❑ **Do not discourage** children/teens from using technology; technological tools are a part of the way in which we all communicate and it will only isolate them more.
- ❑ Teach children/teens to **never give out personal information**. Moreover, explain to never plan a face-to-face meeting with online acquaintances.
- ❑ Help parent's **establish clear ground rules** for Internet use within the family
- ❑ **Check/Follow your client's page** - you can utilize their social media for tips and information regarding their whereabouts, behaviors, information on other clients, etc. If possible, see their profile page while they are logged in and see how they describe themselves and the content they are posted. Explain how this may affect future jobs and college.
- ❑ **Ask Questions!!** Have they ever been a victim or perpetrator of ridicule, intimidation, or humiliation on the internet or in school. Being a bystander has consequences too!!
- ❑ **Tell children/teens about your past experiences!** Explain what you have witnessed or seen regarding bullying, sexting, etc.

The image features a central figure of a person wearing a dark hoodie, their face obscured by the hood. The background is a collage of the words 'DARKNET MARKET' and 'MARKET' in various colors (red, blue, white) and fonts (pixelated, serif, sans-serif). The main title 'The Dark Web' is written in a large, white, cursive font with a black outline, centered over the figure.

The Dark Web

Deep/Dark Web



Source: Congressional Research Service (CRS).

Note: Proportions in the figure may not be to scale.

Deep/Dark Web

- TOR – “The Onion Router”
 - ▣ Most famous anonymous network on the dark web
 - ▣ Used through the TOR browser that you install
 - Allows you to be anonymous while surfing the dark web
 - ▣ Prevents your Internet connection from learning what you are visiting, the location of where you are, and allows you to visit blocked websites.
- I2P – “Invisible Internet Project”
 - ▣ Second most famous anonymous network on the dark web
- Cryptocurrency
 - ▣ Digital currency – most famous is Bitcoin
 - ▣ Anonymous transactions

The image features a central hand holding a glowing blue globe. Surrounding the globe is a network of white lines connecting various circular icons, including a laptop, a group of people, a globe, and a person. The background is a blurred image of a person's face. The text "Social Media & Your Workplace" is overlaid in a white, cursive font with a black outline.

*Social Media
&
Your
Workplace*

First Amendment Considerations

- **The First Amendment protects the content of public employee speech, provided they speak as a private citizen**
 - The Constitution does not protect work-related gripes
 - The content of the speech must address a matter of public concern.
 - The reason for the “speech” must be outside the duties and responsibilities of the public employee.
 - Even if the content of the speech is protected, the employee’s interests in the speech must outweigh the employer’s interest in promoting efficient operations.
 - A public employer need not allow events to unfold that would disrupt the workplace and impair working relationships.
- **Public Concern Test**
 - An employee’s speech must address a matter of public concern – determined by the content, form, and context
- **So can what you post on social media be used to attack your credibility??**
 - YES! Everything you post is admissible in a court of law
 - Brady v. Maryland (1963) Under Brady, evidence affecting the credibility of the police officer as a witness may be exculpatory evidence and shall be given to the defense.
 - Evidence that the officer has had in his personnel file that displays a sustained finding of untruthfulness is exculpatory to the defense.
 - Biases & alleged propensity for violence exposed because of statements and comments on social media
 - Evidence can include writings, recordings, or photographs that may be relevant to witness character or credibility
 - O.J. Simpson murder trial – the jury was informed of a racist remark made by a homicide detective
 - An Officer Involved Shooting – a firearms expert witness was disqualified from testifying due to extremist remarks he made on a website

First Amendment Considerations

- **Garcetti v. Ceballos**
 - speech by a public employee – even if on a matter of public concern – is not protected if the employee is acting in his official capacity or duty
- **Graziosi v. City of Greenville**
 - Officer's complaints on Facebook about her department's decision to not send officers to a funeral – not protected
- **Drake v. Town of New Boston**
 - Officers' repeated allegations that misconduct was occurring in her office – court found reports were not protected
- **Hamm v. Williams**
 - Officer posted on Facebook a support post for fellow officers in a highly publicized case that resulted in two deaths. Matter was considered a public concern as a private citizen – court found no evidence that it disrupted the operations of his department – protected
- **Connick v. Myers**
 - ADA – transferred to a different section and Myers opposed and made her feelings known to supervisors. Before this occurred she prepared a questionnaire that asked co-workers about their opinion of the policy on transfers, office morale, and confidence in their supervisors. She was fired for insubordination. She sued. - court found not protected

Watch What You Post ... and Like

- Examples of problem posts ...
 - Saying you are sleepy while you are at work can call into question your ability to be at work in the event of a serious situation.
 - Posting a photo of yourself with evidence can causes issues with an ongoing investigation.
- A Mississippi firefighter made a post on the wall of his personal Facebook page condemning a Columbus mother after her two-year-old son was struck by a pickup truck. He made a statement saying the child was unattended and questioned the whereabouts of the child's mother.
 - He ended up resigning after this post.
 - City council also suspended three public servants for **30 days** for simply “liking” the post.
- Keep your personal and professional life online separate ... do not friend your offenders/clients on your personal pages.
- Avoid jokes about fellow Officer's ... there have been cases, where the other officer has filed a workplace complaint based on social media posts



**Data Privacy
and Protection**

Permission /Application Settings

- Have you ever been asked to allow your application access to your camera, location, credit card, etc.!?
 - **Location:** Geolocation data to track and monitor your whereabouts and habits
 - **Accounts:** Attaching accounts through other accounts (i.e. using your Facebook account to access Instagram or Spotify instead of creating a separate unique log in). If all of your accounts are linked to one account, it only takes a hacker once to steal all of your information and accounts
 - **Text Messages:** access to read and send messages.
 - **Storage:** access all files stored within the phone (or sometimes within your SD card). This grants access to your music, photos, documents, etc. If someone gains access they can replace a regular file with a virus.
 - **Contacts:** Asking for access to all of your contacts within your phone. Now has access to multiple targets and can contact them.
 - **Bluetooth:** Application can connect remotely to other devices through Bluetooth. Unless the actual application does attach to a Bluetooth device (such as a Fitbit) there is no need for a application to have access to your Bluetooth Connectivity. You also should turn off Bluetooth unless you are utilizing it.

- Read the fine print – when you go to download an application ensure you know what permissions you are granting the application. You can also turn off permissions within your devices in the Settings/Privacy features.

Geo Location Issues

Your exact location on a device (such as your phone, computer, etc.)

GPS and Apps will keep track of everywhere you have been – that includes specific geographic locations, like when you visit the Doctor, what Doctor, specific stores, area's of the store you are in, etc.

But how do they know!?

- Watching where you go and what you do in real time
- Looking at pictures and posts you have made that have embedded data from your location
- Triangulating your GPS position when you have location services turned on
- Finding your location in your map application (Google Maps, etc.)

Companies want your geolocation so they can collect marketing information

- Provide you ad based services on places/items you like/want/visit often.
- Sell your information to other companies

Turn off location services unless you are utilizing a GPS/Map service for directions!!!

Wi-Fi & Tracking Techniques

- ❑ **Wi-Fi Tracking** – Your location is tracked by an RSSI (received signal strength indication) from nearby access points and references the Wi-Fi networks that are available in your area. Using the signal strength of your phone your location is based on those access points.
- ❑ **Inertial Sensors** – Your phone has a compass, an accelerometer, and a gyroscope built into it
- ❑ **Barometer** – Your phone can detect barometric pressure and can be used in collaboration with your GPS and Wi-Fi to determine your location.
- ❑ **Near Field Communication (NFC)** – Can detect if you can walk into a store based on ultrasonic tones inside the doors within a store.
- ❑ **Bluetooth Beacon** – A precise location based on beacons that send signals via your Bluetooth. The beacons are located within places that communicate with any device that has Bluetooth. Your location is determined down to 10 centimeters.
- ❑ **Terrestrial Transmitters** – Operates the same as GPS but are mounted on buildings or cell towers. Your location can be determined down to 2 inches.

Phishing Scams

□ Email

- Impersonal greetings – these should be a red flag!
 - Generic terms like customer, employee, patient, etc.
- Grammatical and stylistic errors
 - Non-native languages
 - Spelling errors & grammar issues
- Do not click any links or download anything
 - Check the link destination before clicking!!!
 - Hover over links before clicking them
 - Be cautious of known websites suddenly ending with different domain names instead of .com or .org
- If the email demands “immediate action” be wary
 - Aggressive tones or claim immediate action must be taken
- Never open attachments you are not expecting
 - Never run .exe files and never open zip files unless you know the origin and are expecting the file.

Phishing Scams

Phone Calls and Tech Support Calls

- ❑ Never give out your personal information over the phone.
 - ❑ Look up the company on their website
 - ❑ Call them directly to see if they are in fact a legitimate company and if they did call you.
 - ❑ Never call the number back right away
 - Google the number first to see if it is a company or if they “spoofed” the number.
- ❑ If someone calls you to give you tech support, do not provide any information.
 - ❑ They will ask you questions to access your computer and install a virus and malware on it to get your information.
- ❑ Never allow someone other than yourself, IT Administrator, or Director/Supervisor remote access to any of your devices.

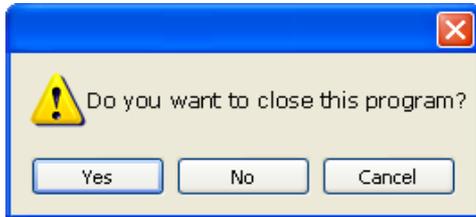
Pop-ups!

- ❑ A small graphic or content that will appear while you are on a website
 - ❑ Examine the message and look for poor spelling, bad grammar, all the same signs of fake news!
 - ❑ Never click on a pop-up!!!

Fake Search Results

- ❑ Appear at the very top of your search results
- ❑ Paid listings look like the real thing but once you click on the ad it takes you to a fake site and malware begins to download to your device.

Avoid Hacker Tricks



Never click “yes,” “accept,” or even “cancel.” You want to just close out the box.

- Do not respond to any pop ups while online
- Always use secure browsers online
 - Look for https and/or the lock or secure symbol
- Infected USB drives are often left unattended by hackers in public places – DO NOT PICK THEM UP/USE THEM!

Password Protecting

- Use strong passwords
 - 8 or more characters with at least 1 of each: upper case, lower case. Number, and special character
 - Do not use your name; children's name; pet name; etc.
- A good password example:
 - Use a favorite quote or saying: I wish I could eat ice cream for lunch
 - Use the first character of each word: IWICEICFL
 - Now, use the standards above:
 - 8 or more characters: IWICEICFL
 - Upper case letter: iWiceicfl
 - Lower case letter: iWiceicfl
 - Number (0-9): iW1ceic4L
 - Special Character (\$, !, %, *, ...): **iW1ceic4L%**

Protect Your Data

- ❑ **Know what you've posted about yourself.**
 - ❑ An easy way for criminals to obtain your information is by clicking “Forgot Your Password?”
 - ❑ Be sure your information about yourself is not answers to your security questions.
- ❑ **Use strict privacy settings in apps and on websites.**
 - ❑ You are able to control things like who can see what you post, who can contact you, and whose posts you can see.
- ❑ **Enable two-factor authentication.**
 - ❑ Sends a code to your phone when you log in from an unfamiliar device.
- ❑ **Use antivirus protection.**
 - ❑ Beware of free software, as it can contain malware.
- ❑ **Don't use unsecure Wi-Fi networks.**
 - ❑ Make sure the Wi-Fi you connect to has the little lock sign next to it and requires a password.
- ❑ **Fine-tune your browser settings.**
 - ❑ Look at the privacy settings offered in your browser (usually in the Tools or Settings menus.)
 - ❑ Most browsers let you turn off certain features

Protect Your Data

- ❑ **Turn off location services.**
 - ❑ Unless you use an app that lets you track your kid's location for safety reasons.
- ❑ **Turn the geo-tagging feature off.**
 - ❑ This is the most direct solution and you can find out how to do this for most phones
- ❑ **Don't let apps share data.**
 - ❑ When you download a social app, it will ask if it can access information stored on your phone, such as your contacts, photos, music, and calendar. Say no!!!
- ❑ **Type the Address of your sites directly into your browser or use your personal bookmarks**
 - ❑ Clicking links to sites through email or another website may have you entering information into a fake site
- ❑ **Don't trust that a message is really from who it says it's from**
 - ❑ If you think a message is fraudulent – use an alternate method to contact the individual
- ❑ **Tweak your home assistants.**
 - ❑ Keep Alexa and Google Home's microphones off if you're not using them.
- ❑ **Cover your cameras.**
 - ❑ Whether it's with a Post-it or a cute customized cover, block your webcam from potential spies.

Protect Your Data

- **Watch for unexpected changes to a social networking profile**
 - The following could indicate a compromised account:
 - A significant change in the number of friends
 - Modifications to wall posts and pictures
 - Applications added to the profile
 - Password no longer works
 - Email is received that says changes have been made
 - Changes in identifying information
 - Unfamiliar groups or memberships
- **Be selective about who you accept as a friend on a social network.**
- **Do not allow others to see your friends or pages that you like!**
 - On Facebook
 - Path for Likes: Your timeline / Select the “more” drop down menu / uncheck the things you want hidden
 - Path for Friends: Your timeline / Select “Friends” / In upper right corner click on the pencil / Select “Edit Privacy” / Make selections for Friend List, Following and Followers
 - Path for Photos: Your timeline / Select “Photos” / Select “albums” / If your album has a gear under it, you can’t hide it. If your album has an icon of two people, you can hide it, click the people and select the audience.



Thank You

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Application Awareness

Snapchat

- App – allows the exchange of user-generated photos, texts, videos, and calls (audio and video)
- Time limit on the photo, text, video with being viewable for one to 10 seconds before disappearing from the recipient's device.
 - You can screenshot (the app notifies the sender if this happens)
 - Buy replays with in-app purchases
 - Several third-party programs can intercept and store any Snaps sent to the user
 - As of 2017, users can play Snaps as long as they'd like until they exit that Snap, which deletes it as usual
- Group chats up to 16 people
- Snapstreaks – trade snaps within a 24 hour period.
 - The longest streaks number in the thousands of days -- and some kids maintain streaks with multiple people.
- If you share your location you can see friends on a "Snap Map" and see Snapchat Stories from other users in various locations
 - Can use "Ghost Mode" to see others but not be visible themselves.



Instagram

- Lets users take, edit, and share photos and 15-second videos, either publicly or within a private network of followers.
 - Users who create logins can share videos that last up to 60 minutes.
- Public photos are the default.**
 - Photos and videos are public unless privacy settings are adjusted.
 - Hashtags and location information can make photos even more visible to communities beyond a teen's followers if his or her account is public.
 - As of 2016, users can live-stream video, and video streams and selected private photos will disappear, Snapchat style
- Kids can send private messages.**
 - Instagram Direct is like texting with photos or videos
 - You can do it with up to 15 mutual friends
 - These pictures don't show up on their public feeds
- Tinder users can access other Tinder users' Instagram feeds directly from within the Tinder app, even on private Instagram feeds if Tinder integration is enabled
- Users can remove followers, turn off comments, mute followers, and like others' comments
- "Finsta"**
 - Applies to accounts kids use under made-up names where they share content they only want to share with certain people.
 - Finsta accounts are also used to post racier content and bully people.



Application Awareness

Tumblr



- Cross between a blog and Twitter
- Streaming scrapbook of text, photos, and/or video and audio clips
- Create and follow short blogs, or "tumblogs," that can be seen by anyone online (if they're made public)
- Porn is easy to find.** Pornographic images and videos and depictions of violence, self-harm, drug use, and offensive language are easily searchable
- Privacy can be guarded but only through an awkward workaround**
 - The first profile a member creates is public and viewable by anyone on the internet.
 - Members who desire full privacy have to create a *second* profile, which they're able to password-protect.
 - one privacy setting which is only available on the website - Users can turn off the option to let others find their blog through an email address.
 - Posts are public by default
 - As of 2017, there's a "Safe Mode" that users can toggle on and off that filters out racier content
- Posts are often copied and shared.**
- A post is reblogged from one tumblog to another.

Fortnite



- Video game and also a mobile game (Fortnite Battle Royale)
- Hugely popular survival action game
- The game is loaded with violence (It's all cartoonish, rather than bloody or gory)
- In-app purchases
- Battle Royale
 - Players can compete against not only other mobile players, but also those on consoles and PCs.
 - Players battle up to 100 other live players in solo mode, pairs, or teams; the goal is to be the last player standing
- Fortnite
 - Single-player version of *Fortnite* (also known as *Save the World*) is a survival action game for PlayStation 4, Xbox One, Windows, and Mac
- There is live, unmoderated chat possible between users in the console and PC versions of *Fortnite: Battle Royale*.
 - Both voice chat and on-screen text chat are options.
 - No chat with other players in the mobile version

Application Awareness

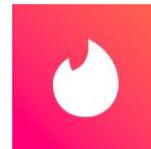
Netflix

- Parents can limit access to content through a PIN number (set online) that they'll need to enter any time someone tries to access blocked content.
 - Can adjust limits on a profile based on rating
 - Can block titles individually
- No way to adjust accessible content or any other settings using the app -- it's all done online.
- Each family member (with up to five members) can have his or her own profile with a set age, favorites, social media links, and histories.
- There are no passwords on the profiles, so kids can easily change to a different one without parental consent.
- 13 Reasons Why
 - An intense, dark Netflix drama based on the popular young adult novel [Thirteen Reasons Why](#) by [Jay Asher](#).
 - Hannah's suicide is shown in great detail, as is more than one graphic rape scene, including one that's extremely brutal and involves a mop. There's also teen drinking and lots of swearing
 - Issues like self-harm (in the form of cutting), gun violence, loneliness, heroin addiction, slut-shaming, and more are addressed
 - Netflix has added trigger warnings to [episodes that contain especially graphic or disturbing content](#), as well as brief videos with cast members stating that kids already at risk for depression and other mental health issues may not want to watch the show.



Tinder

- A photo and messaging dating app for browsing photos of potential matches within a certain mile radius of the user's location
- Swipe right to "like" a photo or left to "pass."
- If a person whose photo you "liked" swipes "like" on your photo, the app allows you to message each other.
- Along with seeking and messaging matches, users can post "moments," which are images and messages that exist for 24 hours and then disappear.
- As of 2016 Tinder's terms of use indicate that it can only be used by anyone 18 and up, though it previously allowed teens over 13



Application Awareness

Roblox

- Game-creation website where users design and upload their own games, as well as play other games in a multiplayer environment.
 - Once you sign up, you can play an infinite number of games, build and share creations, and chat with other users -- all for free
 - Once you register you can then tweak your avatar and friend other users
- Roblox* offers two equally compelling modes: playing games and creating them.
 - Many games include weapons
- Offers a safe-chat mode for those under 13, as well as a parent login
 - *Roblox* doesn't specify a minimum age
 - You can prevent anyone from contacting you by turning off chat entirely or limiting interactions to only friends
- Moderation of content also seems to be hit or miss
- Roblox Studio & Robloxas*
 - work on building your own games; portfolio to showcase your work for potential employers.
- "OD" stands for "online dater."
 - People join social networks to find romantic partners.
 - Games on *Roblox* can even be designed expressly for Odors
 - *Roblox's* monitors look out for inappropriate conversations and content and its community rules prohibit chat that's sexual in nature.
- You can earn money!
 - Robux - You can buy them, get them as part of your subscription, trade for them, or have someone donate some to you.
 - You have to be over 13, a member of the Outrageous Builders Club (\$19.95 per month or \$129.95 annually), and have at least 100,000 Robux in your account.
 - Then you can trade Robux in the company for real money. 100,000 Robux is worth \$350



Minecraft

- Multiplatform sandbox adventure game
- Players explore the world and use the building blocks of the game to customize that world to create nearly anything they can imagine
 - Other players can create whatever they can imagine as well, which could potentially lead to younger players coming across potentially offensive content while exploring random worlds online
- The story in *Minecraft* is whatever the player wants it to be
 - Players customize their worlds and the creatures in it and how they choose to interact.



Application Awareness

Periscope



- Live-stream everyday events
 - Go to the user's [Twitter](#) feed for the world to see.
- There are no screening tools, so users who watch the streams are never entirely sure what they're going to see
- There is reporting feature on the info panel, which you can access by swiping left on a broadcast.
- You can follow other users, just as they can follow you, receiving notifications when they've launched a stream.
- Users also can comment on any stream via the app; streams are shown live as they happen.
 - Streams are saved and can be replayed.

Find My Friends



- App for iOS (Apple)
- Users broadcast their location
 - Allows friends to track them throughout the day.
 - It's permission-based (not allowing anyone to track you without your consent)
 - Comes with plenty of parental controls.
 - Users can alert friends to events and spur-of-the-moment get-togethers.
- Parents can turn the app off on their children's iOS devices (and *prevent* them from turning it off as well, allowing them to use the iOS product as a tracking device).

GroupMe



- App – messaging app that lets users send direct messages and group messages from mobile devices without message limits or fees.
- Keep in touch over Wi-Fi rather than over cellular data.
- Users also can send photos, videos, and calendar links.
- Emojis and open search for GIFs
 - There are tons, including lots that are available for in-app purchase.
- No way to delete past posts

Omegle



- Chat site
- Both an application and a website
- Their catch phrase is ... “Talk to Strangers!”
- The site puts 2 strangers together in a chat room
 - Chats start anonymous
 - Language is uncensored
 - Sexual come-ons and requests for email addresses are common
- A new banner on the home page reads “Pervs are Banned!” and offers links to adult only sex sites

Application Awareness

Pinterest

- Photo sharing website and app
- To join – you need a username and password or sign up with Facebook
- Used to share, save, categorize images and ideas
- There are some not of kids stuff on here
 - Some nudity, cursing, violence, drugs, etc.
- Can browse topics by tapping a category or entering a keyword
- To make your own boards:
 - Click “Pin It” button in the app
 - Add the “Pin It” button to your bookmarks bar and you can click on it to add any website images you like to one of your boards.
- You can “repin” other people’s posts and comment on them as well.
- You can limit who posts images to your boards
 - If Facebook or Twitter is how you registered and you have a photo with your full name, users will view your favorite pictures both in those applications and also on Pinterest as well as have access to your identify.



Zepeto

- Create a 3D character of yourself
- Requires access to your camera, microphone, photo gallery
- In app currency if offered as a reward for registration
- Registration requires connection to Facebook, Google, or WeChat
- You earn currency by playing a mini-game or you can buy it with real world money.
- You can follow and like other Zepeto’s
 - Search for others via a friend code or suggested by the app or meet through a place called “Z Street”



Discord

- App and Desktop versions
 - Desktop version uses less computing power than other voice chat apps
 - Can be added right next to your game so it doesn’t interrupt your play
- Voice- and text-chat tool geared toward gamers.
- Log in with a username
 - Add friends, join a server, chat with a code provided by email
- Users can send direct messages to other users, chat, and talk or listen in larger group chats.
- Abusive language
- Many players are discussing mature games, so sex, violence, and substances are often a part of the conversation.



Application Awareness

Reddit

- Forum that is a website and application for free speech
 - There is credible, factual, charitable, silly, offensive, and weird things
 - Can influence children both on the positive and negative ends
- A voting system polices the website
 - Links with the most votes float to the top of the page (there is no real way of telling what will make it to the top)
- One to One and Group chat available
- Can access links that lead to stories or photos on external sites
- You must register in order to vote, make self posts, or subscribe to “subreddits” that focus on topics.
- Subreddits**
 - Connect users with common interests
 - Moderators keep things on topic
- There is no requirement for “proof of age.”
- As of 2017 – users can upload video’s too
- This site is not recommended for kids
 - It is an open environment to share anything
 - Same as the entire Internet – there is no telling what is going to be placed on this page.
 - May expose kids to biased, offensive, or sexual content



Imgur

- Popular meme-creation and sharing site
 - What’s a Meme?
 - Have you ever seen Grumpy Cat? Or the “I Has Cheezburger?”
 - Humorous pictures with overlaid text that makes a point or joke
- The main page is a collection of images and GIFs sortable by:
 - Most viral, user submitted, most popular, newest, or highest scoring
 - Random Mode: picks memes for fill display
- You can down vote, up vote, favorite, flag, or submit a comment on any meme
- Registered users can upload images or start with existing memes
 - You can keep things private or share after email confirmation
- No ask for age at registration
- Recommended for young adults
 - Has adult-level content and commentary
 - Casual references to sex, images of joints, guns, cursing

imgur



Application Awareness

Twitter

- Free Microblogging tool and social network site
 - Brief, 140 character messages called Tweets
 - Can follow other users activities
- You can choose to keep your tweets private or post public
- Updates appear immediately – even though you can remove tweets, followers can still read what you wrote until it's gone
- There is a lot of mature content
- The app can post your location (street name and city) with each tweet
 - You must opt in for this feature
- Video and group private chat are available
 - You can stream live video into your feed



Ask.fm

- App and web versions
- Interactions based on questions and answers.
- Can't register unless you're 13 or say you are
- You cannot enter a new birthdate one you've been denied
- The site does not monitor its content
 - Separate safety site that helps teens understand how to adjust their profile settings for additional safety
- Follow each other anonymously
- Film, post video responses, share personal information
- Profile's cannot be reported



Like – Magic Music Video Editor

- Free video creation and editing app
- Create your own music videos
- Share your videos online.
- Access to a free music library
- Upload your own music
- Add animations and effects to existing video
- All posts are public
 - Users can control who can message them
- Suggestive content and viewers can send messages to individual video makers.
- Viewers can share and comment on other users' video content
- Users can earn real-world money by gathering "likes"
 - The most popular videos appear on leaderboards or front page



Application Awareness

YouTube



- Video site – anyone can create YouTube channels – Ages 13 and up
- A YouTube site only requires a Gmail address
 - Your page displays your recently watched videos, recommended videos based on your watch history and suggestions for channels that are similar to the ones you have watched.
 - Even if you delete your watch history the recommendations will be related to what you watched.
- Subscribe
 - Once you subscribe to a channel you are notified when new videos are uploaded
- There are a lot of ads on YouTube
 - They may see adds that are not appropriate
- You can comment on videos and some of those comments are negative
- Restricted Mode
 - Account settings page – Restricted Mode at the bottom of the page
- [YouTube Red](#) subscription
 - no ads and you can watch offline.
 - Families can also access it via TV

YouTube Kids

- Kids version – curated, ad-supported TV shows, music, educational videos, and user created content
 - Age 4 years and older
 - You can create user profiles for each child
 - There is a timer that lets you set a limit of how long they can be on the app
 - This is a portal to the main YouTube service
- Kids may see something that you do not want them to
 - Inappropriate videos and ads (with nudity, alcohol, and profanity)
 - Fast food and junk food ads that push unhealthy food (some of which look a lot more like entertainment than advertising, making it hard for kids to know they're being marketed to)
- You can allow your child to search for things or not
 - Disable search – limits videos to only the ones that have been verified as age-appropriate
 - You can select trusted channels and topics in the Collections section
 - You can restrict channels
 - Unlock grown-ups only section with a passcode you create then log into your Google account and select the user whose profile you want to add controls to

Application Awareness

Pandora – Music

Free Music and Radio – music streaming app and website

- You can create stations based on favorite artists, songs, or composers
- 13 and over to sign up
- Registration is free but requires your name, zip code, birth year, gender, and a password you create.
- You can't add profile info through the app -- you'll need to log on to a computer to do that -- but you can make your profile private by unchecking a box during registration
 - if you don't check the private profile box during registration, the profile will be visible to everyone
- Ads do play – unless you pay for premium/subscription
- You can indicate whether you like a song, and it will program the station accordingly.
- You can't play specific songs, and you can only skip a few each hour.
 - This is unless you pay for Pandora Premium that has no ads and allows you to listen offline as well as skip as much as you want.
- All you need to do is enter an artist's name to create a station that'll play songs from that musician and similar artists and bands.



Spotify

- Free Music and Radio – music streaming app and website
- Log in with a username and password (or sign in with Facebook)
 - If linked to Facebook you can share active listening activity
- You must download an application to your computer or phone to use.
- 13 and over to sign up
- Song selection cannot be filtered for language or content; album covers show when the songs play.
- You can follow friends and share playlists and favorite songs
- Ads do play – unless you pay for premium/subscription
- There is a Spotify Kids channel
- Stream by song, album title, artist, top chart ranking, category or play by playlists available
- Create themed radio stations
- Can save songs to a playlist – can download songs with premium
 - Syncs with iTunes or Windows Music libraries so users can access songs they have saved or downloaded.
 - Can play offline when you pay for premium



Application Awareness

HOLLA



- Live random video chat
- Registration requires your phone number or your Facebook account
- App requires accessing your phone's camera and microphone
- Upon starting the app connect you to live random chat with users who could be doing literally anything (including engaging in sexual behaviors).
- "Nearby" chat mode
 - Uses your phone's location tracker to connect you with nearby strangers
- HOLLA Prime members (\$9.99/mo) get to see full user profiles and search users by gender
- Encourages users to connect their profiles to Instagram

House Party



- Group video chat – Live
- 2 to 8 people can be in a chat together at the same time
 - If someone who is not a direct friend joins a chat, teens can alert in case they want to leave the chat
 - You can lock a chat so no one else can join
 - You can screenshot the chat
- It is live – so there is no moderator – you don't know what they will see
- You can also text within the video chat
 - Users can send links to their profiles on the app via a text to whoever they want
 - You can share photos via the app as well
- Push notifications are sent to friends when you open the app

Live.me



- Live video streaming
- Watch others and broadcast yourself live
 - You can earn currency from fans
 - Interact live with users
 - No control over who views your streams
- You log in through Facebook, Instagram, or a phone number
- Users are to be 18 and over or have parental permission to use the app
- Broadcasters can curse, use racial slurs, have minimal clothing on, answering of sexually charged questions, etc.
- There is potential for viewers to request sexual pictures or performances or to contact them through other means.
- Viewers can purchase coins to give as gifts to broadcasters
- A live quiz show called Quiz Biz allows users to answer questions and potentially win real money
- A music theme show called "You Need The Code" which features indie artists is also available.

Application Awareness

IMVU: 3D Avatar Creator & Chat

- Intended for users over 17
- Users create 3D alter-egos and use them to communicate online
- Female avatars are busty and sexy by default
 - Customizable clothing is sexy and revealing
 - Crude sayings
 - Avatars are stereotypical
- Encourages users to buy clothes and accessories for their avatars with in-app currency
 - Users can earn in-app currency by completing invasive surveys that collect personal information such as age, location, income, etc.
- Users can follow each other, send direct-messages, and chat with strangers in user-created chat rooms.
- “Coffee Shop” mode
 - Matches users with individual chat partners via a dating app “swipe” mechanic.
 - The app is an adjunct to the IMVU [website](#) service which encourages users to purchase “Upgrades” such as custom chat rooms, “Marriage” status, “VIP” status to remove ads, and “Age Verification,” which adds an “age verified” badge to your account.



Meet Me

- Formerly called MyYearbook
- Networking App and website
- Chat and meet new people
- Must be 13 and over, to sign up
- It has a match feature where you can secretly admire others
- Open network
 - Chat with whomever is online
 - Search locally
- A lot of details are required to set up an account
 - First and last name, age, zip code
 - Use your Facebook account
 - Location services turned on
- Use “lunch money” or credits to do things
 - Put your profile at the top of the homepage as a spotlight for others to see
 - To get a priority in match
 - To increase the number of secret admirers you get
 - To play online games
- You can video chat, message, or email each other
- There is a strong focus on meeting potential dates, who are also complete strangers



Application Awareness

YouNow



- Broadcast, Chat, and Watch Live Video
- Lets you stream and watch live broadcasts
- You can comment or buy gold bars to give to other users
- The goal is to get lots of viewers and start trending and to grow a fan base
- Because this is live video anyone can say or do anything with no restrictions
- You can even broadcast yourself sleeping
- Users are to be 13 and over
- You can register with your Facebook, Twitter, or Google+ account
 - You can view broadcasts without registering
- This app forbids nudity, sexual content and bullying but there is no promise of oversight and profanity is prevalent
- You can report to block specific viewers
- Hashtags classify categories that viewers can each
 - I.E. #girls, #guys, #truthordare, #dance, #musicians, #sleepingsquad, #lgbt, etc.
 - Users can add broadcasters to favorites lists and receive notifications when they're broadcasting live.
 - The number of viewers is shown
- Videos are only available live and can't be accessed after a few days
 - but another user could certainly use an external camera to film what's happening on screen
 - all user-generated content is retained and stored by the developers, so the content doesn't actually disappear.

Lipsi



- Marketed to "the young and the bold"
- Connects to your Instagram account so your friends can provide you with anonymous feedback.
 - Anonymous feedback to employers, friends, or online personalities
- Users must be 18 or older to use it
 - there's no method for preventing younger kids from downloading it
- Users can reveal their identities to each other and track (or delete) conversations.
- "ghost mode" to prevent location tracking
- Buttons do odd things like minimizing the app and prompting for codes

Application Awareness

Socratic Math and Homework Help

- Scan homework and get answers
- Searches the web for solutions to the homework questions
- Take a picture of the problem, crop it, hit search
- Answers are provided by experts, computer algebra systems, or crowdsourced.
- Gives exact answers with work shown
- Answers for math, science, history, English, economics, and more.



Tellonym

- “Answer anonymous questions and ask others the things you have never dared before.”
- Lets users leave anonymous comments for other users
- Register using email or phone number
- Can be linked to Twitter, Instagram, and Snapchat
- Many inappropriate messages and visual content
- Can block users and filter messages containing specific words; can also report inappropriate messages
- A home feed displays all messages addressed to a user, and push notifications alert users whenever a new message or "tell" is delivered.



BitLife

- Text-based app
- Starts you as a random character at birth and then allows you to make choices as your virtual life progresses
 - The choices include decisions about one-night stands, threesomes, illegal drugs, murder and more
 - The choices usually don't have consequences, but other times it can result in the player being jailed, breaking up with a spouse or paramour, or dying.
- Talks about sexual relationships a lot



Bigo Live

- Free app however it costs \$89.99 to “recharge” in-app currency
- Sign up through existing social media account such as Facebook
- Video blogs or livestream activities with the object of monetizing their videos
- Profiles include users' names, gender, age, and location.
- User-generated content can include bad language, violence, and nudity.
- send “gifts” to the streamer in the form of Beans
 - Beans indicate a streamer's popularity and can be traded in for real-world cash

