

# Cyber Safety



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# Cyber Safety

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- Safety & Protection
  - Devices
  - Privacy & ID theft
  - Safe browsing / parental controls
  - Consequences
  - Your information
  - Personal safety
- Legal
- Other

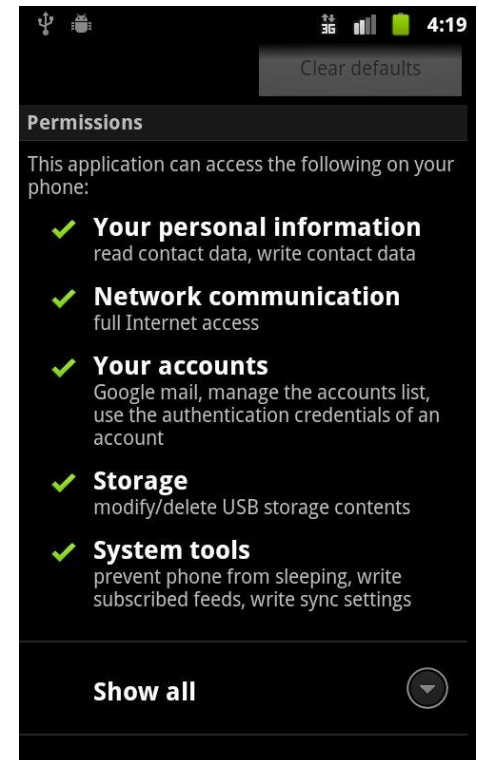
# Overview

- Digital Landscape
  - 204m emails every second
  - Twitter has 284 million active users at last count
  - There are nearly 1.4 billion Facebook users
  - All written work = 6% | 90% in last 2 years
- Deep & Dark web
- Reliance
- Good v Bad



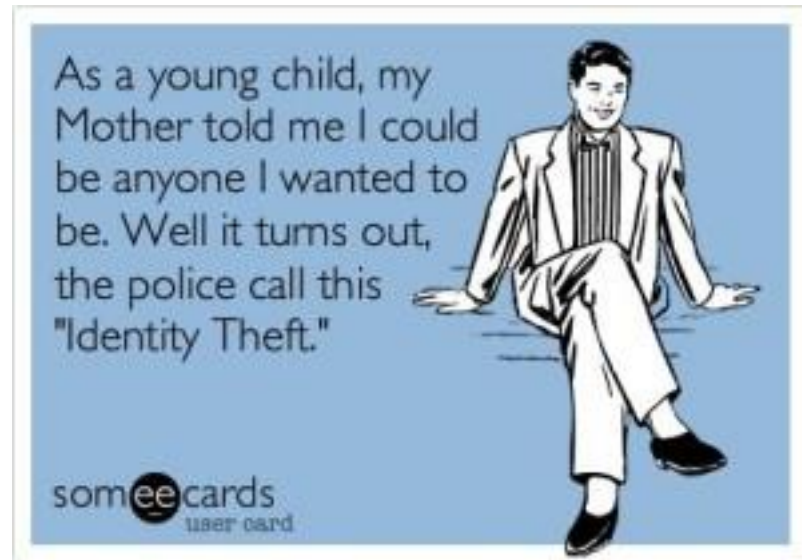
# Device Safety

- Device(s) – phones, computers and IOT
  - Phones are computers, cameras, recording devices & locating devices
  - Typical I-Phone download 27k pages
  - IOT – anything with IP address – heating, car....
- Updates & Antivirus
  - Keep up to date!
- Beware of “Clickjacking”
  - parcel\*, court\*
- Apps
  - Permissions – torch\*




# Personal Privacy

- ID theft
  - Data widespread, social engineering
- Passwords
  - Try not to use the same
  - **fb Sch00l 16 \***  
*site word year symbol*
- Public wifi
  - Don't use\*

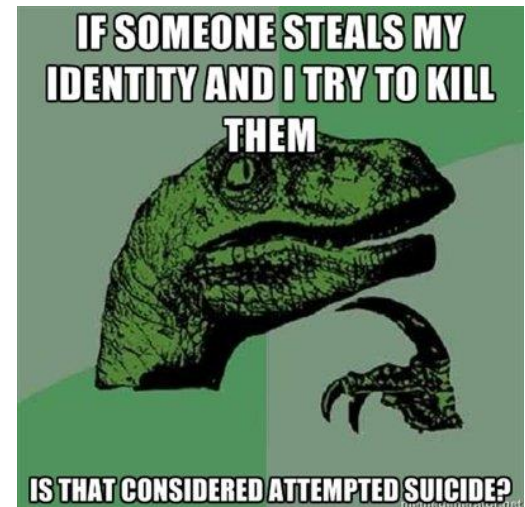


# Safe Browsing / Parental Control

- **I want to sign up to....**
- Engage and discuss
  - dangers of revealing private information such as their email address, home address, family members or financial details
- Controls – ISP, device, software
- Web browsers & emails 
- Phone tracking

# Consequences

- Audience, Anonymity, Permanence
  - Due to the low cost of online storage, very little information is deleted  
news, blogs, cloud storage\*
- Social networks - employment
- Texting and sexting - permanence / crime
- Social engineering - ID fraud
- Check online profile
- Justine Sacco



# Justine Sacco

## Justine Sacco

Worked for US media company

2013 Took a trip to SA

Updated Twitter in departure lounge

“Hope I don’t get.....”

11 hour flight

On landing – “sorry to see what's happening”

No 1 on Twitter

#HasJustineLandedYet

Press waiting....



- Lost job
- Can't date
- Life destroyed



# Your information

\*\*\*\*\* DROPBOX HACKED \*\*\*\*\*

6,937,081 DROPBOX ACCOUNTS HACKED  
PHOTOS - VIDEOS - OTHER FILES

MORE BITCOIN = MORE ACCOUNTS PUBLISHED ON I

Betoma [REDACTED].com:slduffash  
Betoon [REDACTED].p.com.mx:markxt  
Betope [REDACTED].l.com:corinthians  
Betowo [REDACTED].com:betobh2  
Betsil [REDACTED].l.com:27051982 ←  
Bettin [REDACTED].il.com:schippi  
Bettin [REDACTED].mail.com:bsba5200  
Bettin [REDACTED].il.com:bettinak  
Bettin [REDACTED].eb.de:superstar  
Bettyb [REDACTED].com:finanzas  
Bettyb [REDACTED].ail.com:cllc1975 ←  
Bettyk [REDACTED].ail.com:160864 ←  
Betul\_ [REDACTED].com:4327916  
Betulc [REDACTED].com:5nisan1994  
Betuls [REDACTED].com:bs12356  
Beu198 [REDACTED].om:isabel ←

Be aware of:

- The other side of your posts
- People connected to you (digital shadow)
- Deep web data
- Email – accounts, locations
- Password – relatives, pets, children
- Shopping habits – Amazon, EBay
- Address – Voters Register
- Companies – Co. House
- Education – LinkedIn, school ass'n
- Mothers maiden name - BDM
- Social Networks - !

# Personal Safety

- Cyber bullying
  - Discuss
  - Warn of consequences – *Cyber bullying violates the Terms of Service of all legitimate service providers*
  - Record events, discuss with child and school
  - Don't respond straight away
  - Keep devices secure
- Gaming & chat
- Don't talk to strangers – **It could be me!**
- Who? – an example

# Who?

- During 2013, 374 people struck up conversations with “US Military personnel” via a number of dating sites and other social media systems.
- They believed they were chatting to the like of:



- But in actual fact they were chatting with:

# Who?



- Denver-based Karen Vasseur and her daughter Tracy, tricked victims into thinking they were talking to US service personnel looking for love.
- The prolific scammers duped 374 victims in the US and 40 other countries out of \$1.1 million.

# Legal

- File sharing
- Music and movies
- IP
- Hacking
  - Unauthorised access
  - Worldwide!
- What powers & resources to the police have?



# Do *you* know what sites your kids are using?

## Snapchat

Snapchat is a popular photo sharing app that lets users share their photos for a few seconds before they 'disappear'. But anyone receiving a pic can keep it by taking a screen shot. The site is being heavily criticised for making it easy for children to be stalked or groomed. The age limit to join the site is 13, but many children do so much younger.

## Ask.fm

On Ask.fm, anonymous users ask other users questions. This means that they can easily hide their identity and effectively, say what they like without any consequences. Bullying and abuse on the site has allegedly led to very traumatic experiences amongst youngsters, in some cases tragically taking their own lives.

## Yik Yak

"No profiles, no passwords, it's all anonymous", says the app's publicity. Designed as a means of posting news and messages in local communities and on college and school campuses, the app has gained a reputation as a tool for cyberbullies and its use has been banned in many schools in the UK and US.

## Habbo

Habbo ( full name Habbo Hotel) - is a social networking site aimed at teenagers, although we have heard of children as young as eight years old using it. Again, it has been the subject of considerable concern because of pornographic messages.

## Shots of Me (or just Shots)

An app that enables users to take and post selfies, hence using only the front-view camera of their mobile phone. Shots has been subject to widespread concern about its use to send inappropriate photos and possibly resulting cyberbullying and blackmail.

## Omegle

Omegle's strapline is "Chat to strangers", so it is clear at the outset that your kids may be letting themselves (and you) in for a number of issues.

## Chatroulette

Again, on Chatroulette, kids have no idea who they are talking to on the other end of the screen, an instant cause for concern.

To give you another idea of the scale of the number of chat apps and sites kids can access these days, here is a small selection of sites similar to Chatroulette, based on the use of web and phone cams.

iMeetzu	Cam Random	CoolStreamz	Bazoocam	Tinychat
SpinnerChat	Chat	Swagcams	Omegle	Camzap
WebcamBam	HollerChat	SpeedyCams	Chatroulette	Chatrandom
Facebuzz	Chatpig	Hehechat	Paltalk	RouletteChat
Quierochat	Chattino	Rounds	Webcamnow	Dirtyroulette
Streamberry	Camfrog	Chatville	Flipchat	Chatxroulette
Chatrad	Chat Avenue	RandomSkip	Wireclub	
321 Chat	Wocchat	Funyo	Lollichat	
Chatbazaar	Airtime	VideochatUS		

# Age Limits


13+	14+	16+	17+	18+	Parental permission
Twitter Facebook Instagram Pinterest Google+ Tumblr Reddit Snapchat Secret Omegle	LinkedIn	WhatsApp	Vine Tinder	Path Chatroulette	YouTube WeChat Keek FourSquare Flickr

**Extract from Twitter TOS:**

*Our Services are not directed to persons under 13. If you become aware that your child has provided us with personal information without your consent, please contact us at [privacy@twitter.com](mailto:privacy@twitter.com). We do not knowingly collect personal information from children under 13. **If we become aware that a child under 13 has provided us with personal information, we take steps to remove such information and terminate the child's account.***



# Useful Information

- Travel booking... 
- CCleaner
  - <https://www.piriform.com/ccleaner/download>
- Get Safe Online
  - [www.getsafeonline.org](http://www.getsafeonline.org)
  - [www.google.com](http://www.google.com)
- *DC 1640 David Stott*
  - [david.stott@cheshire.pnn.police.uk](mailto:david.stott@cheshire.pnn.police.uk)
  - 01606 36 5084