

Cyber Safety



City of Bayswater

Cyber Safety

- ▶ Identity Theft



- ▶ Computer Viruses



- ▶ General Internet Safety





Identity Theft

“A form of stealing someone’s identity in which someone pretends to be someone else by assuming that person’s identity” - Wikipedia

Protect Your Identity

Know who you are sharing your personal information with and why?



- ▶ Medicare Card
- ▶ Pension Card
- ▶ Credit Card
- ▶ Bank Account Details
- ▶ Driver's Licence
- ▶ Passport

Ways to Get Your Identity

Phishing

“Click here to verify and update your information”

Fake Emails

YOU’VE WON!!! Redeem your prize before it’s too late

False Websites

www.fake.com/paypal/login.html

Malware

Viruses
Worms
Trojan Horses
Spyware

Avoid Phishing Attacks



- ▶ Stay away from phishy looking emails
- ▶ Never use links embedded in emails, instant messages, or whenever things look suspicious
- ▶ Avoid sending personal information in an email
- ▶ Beware of false websites
- ▶ Avoid filling in online forms asking for personal information unless you are sure it is a legitimate site.
- ▶ Beware of support phone calls

Passwords



Create a strong password, complicated for others but easy for you.

- ▶ Use different password for different sites
- ▶ Be relevant and irrelevant
- ▶ Length is important
- ▶ Random looking but not so random (MFCIB99)

- ▶ S- Is the password Strong (long and random looking)
- ▶ U- Unique (unrelated to other passwords)
- ▶ P - Practical (can you remember it)
- ▶ R - Recent (Have you changed it recently)

Examples

Bad (weak)

- ▶ password
- ▶ password1, 2, 3...
- ▶ letmein
- ▶ secret
- ▶ 1234, 123456, 12345678
- ▶ qwerty123
- ▶ abc123
- ▶ dragon
- ▶ master
- ▶ cathy101099

Good (Strong)

- ▶ t0nY'zSpec1alW0rd
- ▶ w0tAGr8S1te
- ▶ g0t%L0st! (got lost)
- ▶ heLP4me\$ (help for me \$)

- ▶ Change or rotate your passwords frequently

Creating A Strong Password (Example)

- ▶ Start with a phrase
 - ▶ Advance Australia Fair
- ▶ Create an acronym
 - ▶ aaf
- ▶ Add the site to lengthen
 - ▶ aafebay
- ▶ Use mixed case, numbers and special characters
 - ▶ aAF\$57ebay

Password Programs



- ▶ Store your passwords electronically

- ▶ PC
- ▶ Phone
- ▶ iPad

- ▶ SplashID
- ▶ Last Pass
- ▶ Password Genie
- ▶ Keeper

- ▶ Master password
- ▶ Backup you password program data





Computer Viruses

“A computer program that can replicate itself and spread from one computer to another” - Wikipedia

Files Spread Viruses

- ▶ Beware what you download
- ▶ Beware of file attachments in emails
- ▶ Think before you click!

- ▶ A virus cannot be activated by just downloading it. It must be triggered to run by opening the program file

- ▶ Emails that contain harmful attachments cannot harm your computer unless you open or execute the attached file.

Keeping Your Computer Safe

Antivirus Software is available in many different flavours with differing abilities (free and paid)

Paid Versions

- ▶ Bit Defender
 - ▶ Kaspersky
 - ▶ Norton
 - ▶ F-Secure
 - ▶ McAfee
-
- ▶ Update virus definitions

Free Versions

- ▶ Avast
- ▶ AVG
- ▶ Microsoft Security
- ▶ Panda Cloud Antivirus
- ▶ Avira AntiVir Personal Edition

Keeping Your Computer Safer Still

Malware detection and removal software is often overlooked

Paid Versions

- ▶ Bit Defender AV Plus
- ▶ Kaspersky
- ▶ Norton AV Plus
- ▶ F-Secure
- ▶ Avast Pro

Free Versions

- ▶ Malwarebytes
- ▶ Microsoft Security
- ▶ Panda Cloud Antivirus
- ▶ Avira AntiVir Personal Edition

Keeping Your Computer (More) Safer Still



Firewalls control incoming and outgoing network traffic by analyzing the data packets and determining whether they should be allowed or not, based on a set of rules.

Paid Versions

- ▶ Bit Defender Internet Security
- ▶ Kaspersky Internet Security
- ▶ Norton Internet Security
- ▶ Comodo Internet Security
- ▶ McAfee Internet Security
- ▶ ZoneAlarm Pro
- ▶ Outpost Pro

Free Versions

- ▶ ZoneAlarm
- ▶ Windows 7 Firewall Control
- ▶ Tinywall
- ▶ Comodo Firewall
- ▶ Online Armor
- ▶ Outpost
- ▶ Private Firewall
- ▶ AVS Firewall

Parental Controls



- ▶ Software exists to limit access to certain parts of the Internet. (Web Filtering)
- ▶ Network based
 - ▶ At the Router level
- ▶ Client based
 - ▶ (PC, iPad, Phone, etc...)

Software

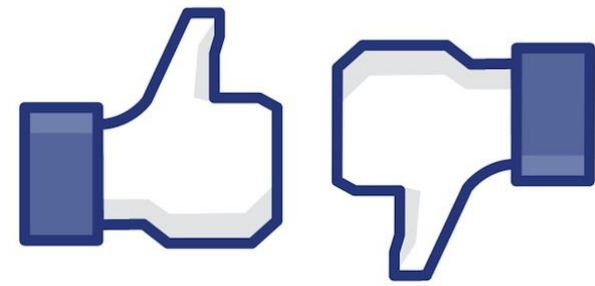
- ▶ AVG Family Safety
- ▶ McAfee Family Protection
- ▶ Bitdefender Parental Control
- ▶ Kaspersky Internet Security
- ▶ Net Nanny
- ▶ Norton Family

Prevention Is Key

- Failure Is Inevitable

- ▶ Your computer will eventually crash due to hardware failure, virus, theft, act of God, etc...
- ▶ It WILL happen!
- ▶ Backup your data to minimise loss
- ▶ Regularly backup to multiple devices
- ▶ Perform regular system maintenance
- ▶ Update your software regularly

Social Networks



Great for keeping in touch with family and friends, sharing pictures and meeting new people

- ▶ Everything you post is Public (remember Sarah)
- ▶ Facebook T&C waives your right to privacy
- ▶ Snapchat T&C (2015) own your pictures
- ▶ Information can be shared or sold
- ▶ Can lead to anything from annoying unwanted email, advertising to cyber crimes like stalking
- ▶ Feel free to use social networks, just be careful what you say, show and do.

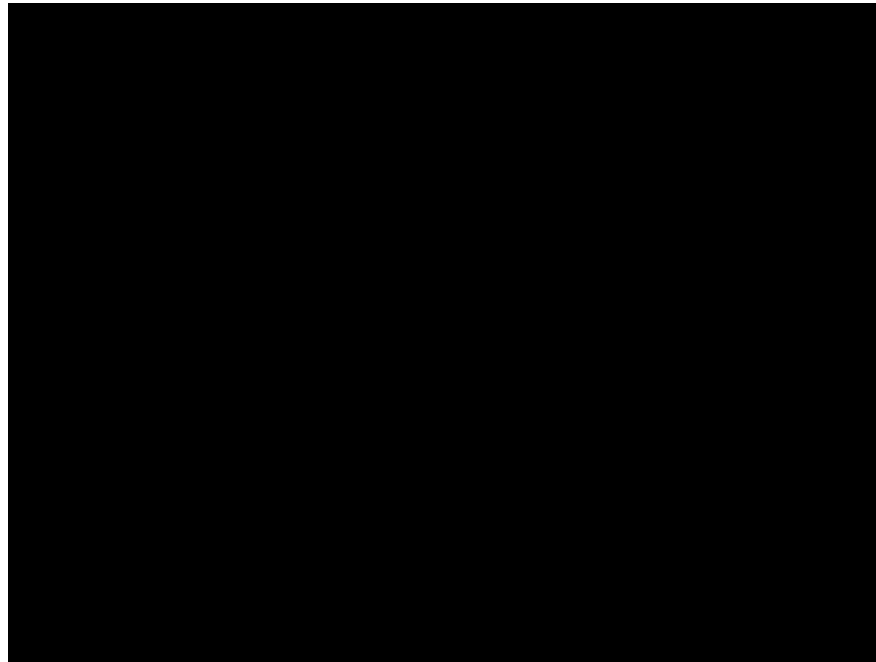
Parent and Kids

Restricting or banning is not the answer to controlling how your child uses the internet - education is.

- ▶ Monitor the sites they visit
- ▶ Join the same social networks they do and become one of their friends online
- ▶ Create some rules for internet use and be clear what is OK and what is not
 - ▶ No talking to strangers
 - ▶ No personal information sharing
- ▶ Be open and discuss things with your children and watch for danger signs.

General Internet Safety

Not So Anonymous



- Did Sarah do this to herself?
- <http://www.youtube.com/watch?v=IO-X7EcfVCc>

General Internet Safety

- ▶ Be careful what you put on the internet
- ▶ It's there forever and can be used to track you down
- ▶ Know who you are interacting with over the internet
- ▶ Nothing is private
- ▶ Think before you click (you are the first line of defence)
- ▶ Don't open unknown or unexpected email attachments
- ▶ Make sure you trust the download sites you use

Cyber Bullying

- ▶ Flaming
- ▶ Harassment
- ▶ Denigration
- ▶ Impersonation
- ▶ Outing
- ▶ Trickery
- ▶ Exclusion
- ▶ Stalking

Why - what is the motivation?

- ▶ Anger
- ▶ Revenge
- ▶ Frustration
- ▶ Entertainment
- ▶ Boredom
- ▶ Ego Boosting,
- ▶ Social Standing
- ▶ etc...

Anonymity

- ▶ Compared to Physical Bullying, Cyber Bullying can be completely anonymous.
- ▶ Gives the cyberbully the false idea of actions not having any repercussions.

LOL - FYI - You're Dead

A group of girls were teasing John through IM about his height and daring him to do things he couldn't do.

They eventually dared him to commit suicide. He discussed this with them.

The girls thought it was a great joke.

Legal Issues and Prevention

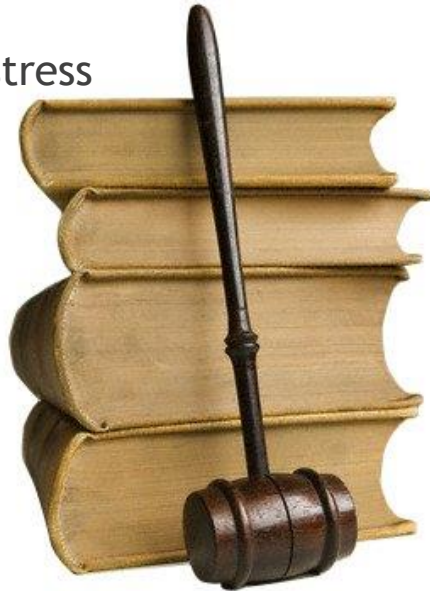
Civil Laws

- ▶ Defamation
- ▶ Invasion of privacy
- ▶ Intentional emotional distress

Criminal Laws

- ▶ Violent threats
- ▶ Coercion
- ▶ Harassment
- ▶ Sexual exploitation
- ▶ Carly's Law (2017)

It is illegal for an adult to lie about their age with the intent of causing harm or engaging in sexual activity with a minor.



Prevention

- ▶ Be aware
- ▶ Block them
- ▶ Don't instigate
- ▶ Tell someone
- ▶ Always log out

- ▶ Most bullying is done by someone you know
- ▶ Keep passwords safe

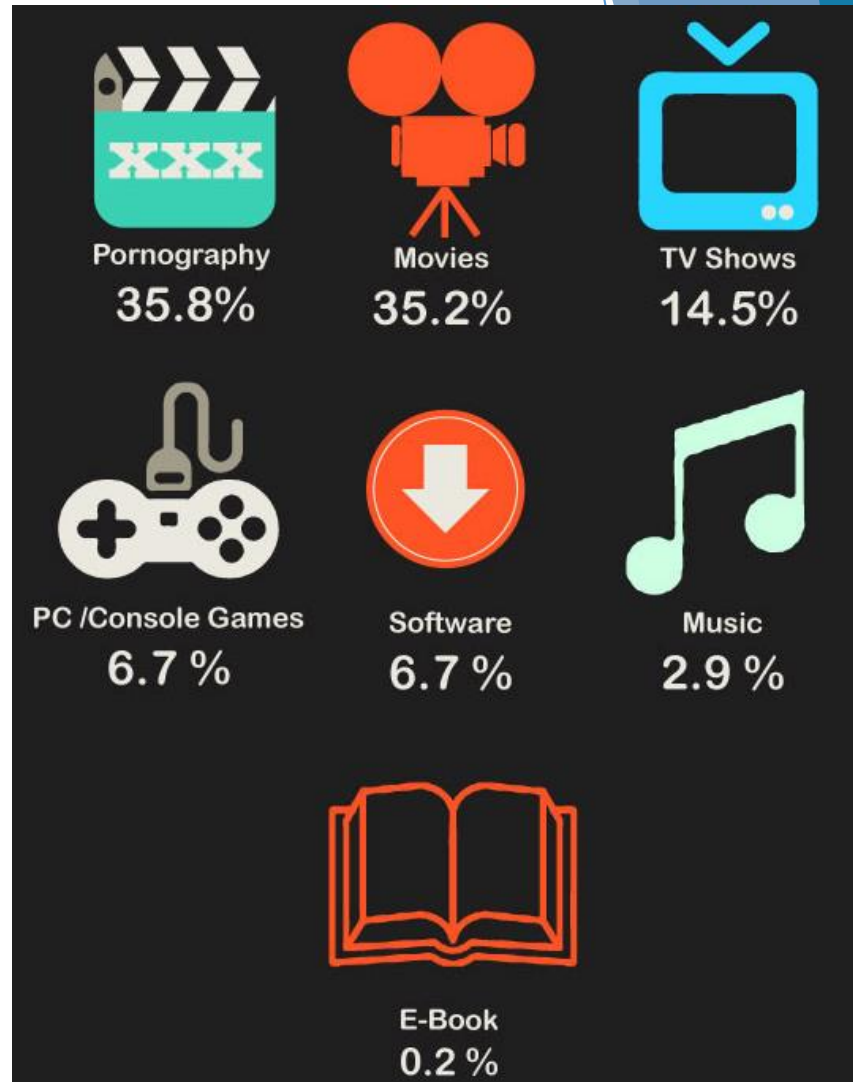


Internet Piracy

Copyright Infringement - is the use of “works”
protected by copyright law without permission from
the “owner”

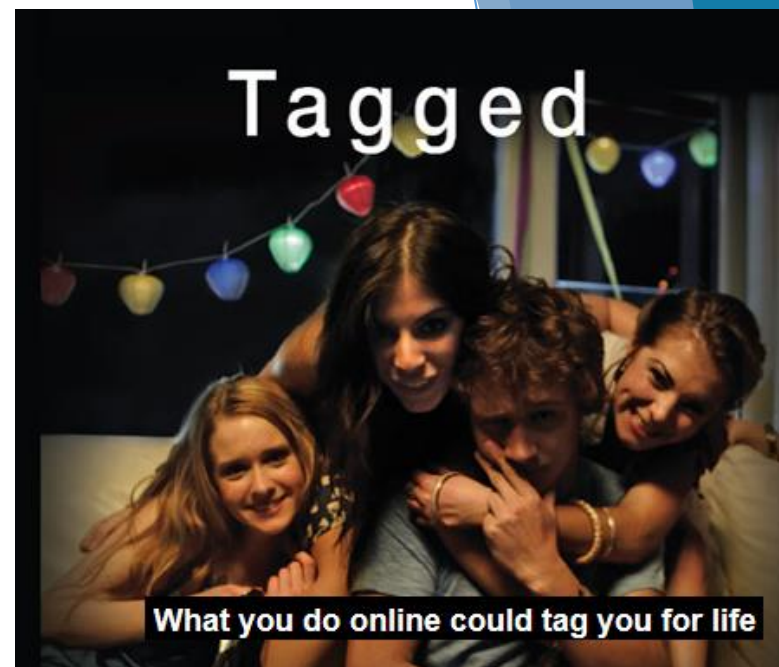
Internet Piracy

- ▶ Why does it happen?
 - ▶ region restrictions
 - ▶ delays in release
 - ▶ distribution costs
 - ▶ existing distribution channels are poor and costly
 - ▶ easy
- ▶ Is it immoral / illegal?
- ▶ Are there penalties?



Online Information

- ▶ www.cybersmart.gov.au
- ▶ www.cybersmart.gov.au/tagged



- ▶ www.communications.gov.au
- ▶ www.communications.gov.au/easyguide/social_networking
- ▶ Commonwealth Victim's Certificate (for Identity Theft)

Australian Government
Department of Communications

Easy Guide cybersafety help





















The Easy Guide to Socialising Online

Show me information about...

Social Networking	Search Engines	Online Games
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Home

Click on the buttons below to learn more about the cybersafety features of social networking sites, or click on the tabs above to learn about search engines or online games.

Bebo 	Club Penguin 	Facebook 
Flickr 	Formspring 	Google+ 
Keek 	Kik 	Instagram 
Miiverse 	Moshi Monsters 	Myspace 
Pinterest 	Skype 	Snapchat 
Stardoll 	Tumblr 	Twitter 
Yahoo!7 Messenger 	YouTube 	

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Help is on the way...
your question?
the thingamabob is in the whoos-a-me-whatsit, can the whoos-a-me-whatsit connect to the whatchamacallit, and then download a hoos-i-jig to interact with my doohickey?

ASK US NOW !


MagooIT
Seniors Tech Support



Magoo IT: helping Seniors with technology

Magoo IT is passionate about adult education and encouraging seniors to utilise, or embrace, technology to improve their lives. Tony has a unique ability to inspire confidence with a hands-on approach and encourages participants to bring in and use the devices during these sessions.

Training • Advice • Support

Thank You

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