



CYBER SAFETY

Action Outdoors Association
Bayswater Library



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
- Bank Account Details
- Pension Card
- Driver's Licence
- Credit Card
- 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

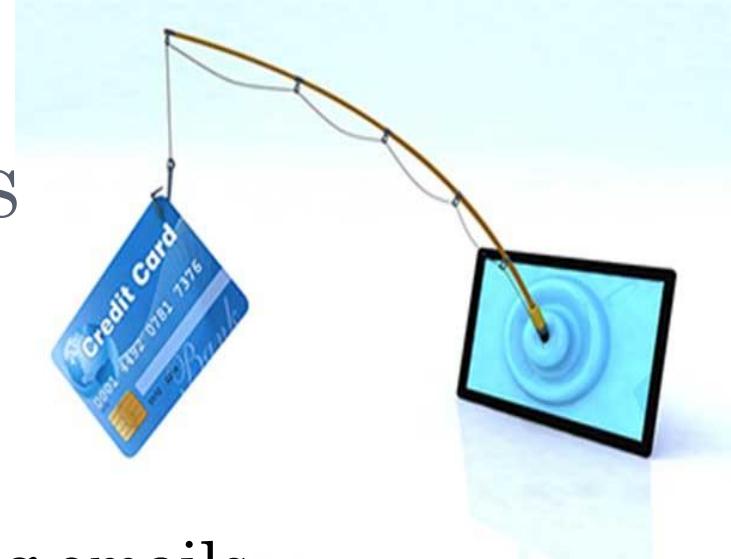
www.fake.com/paypal/login.html

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)

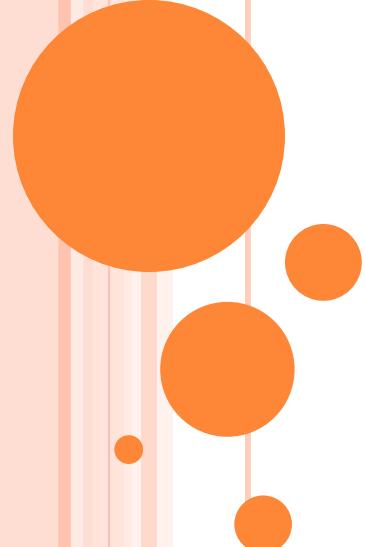
- Start with a phrase
 - Create an acronym
 - Add the site to lengthen
 - Use mixed case and special characters
 - Advance Australia Fair
 - aaf
 - aafebay
 - aAF\$ebay



PASSWORD PROGRAMS

- Store your passwords electronically
 - PC
 - Phone
 - iPad
 - Master password
 - Backup you password program data
- SplashID
 - Last Pass
 - Password Genie
 - Keeper





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
- Kapersky
- 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
- Kapersky
- 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 on not, based on a set of rules.

Paid Versions

- Bit Defender Internet Security
- Kapersky 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
- Kapersky Internet Security
- Net Nanny
- Norton Family



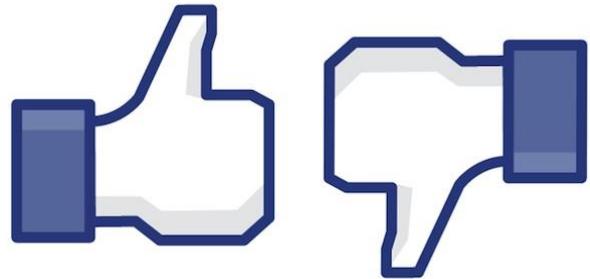
PREVENTION IS KEY – FAILURE IS INEVITABLE

- 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
- 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

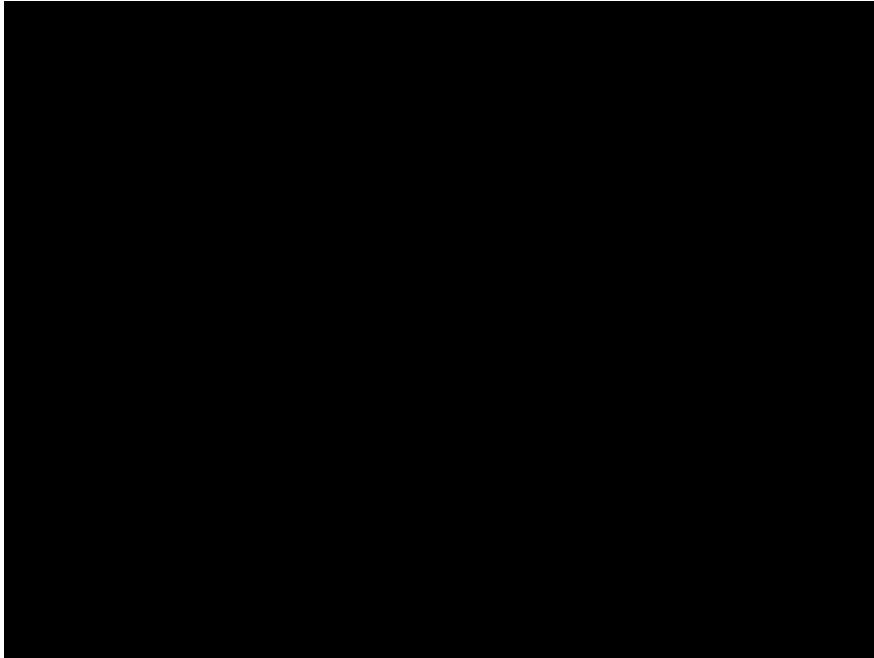
Restricting or banning is not the answer to controlling how your child uses the internet - education is.

- 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.



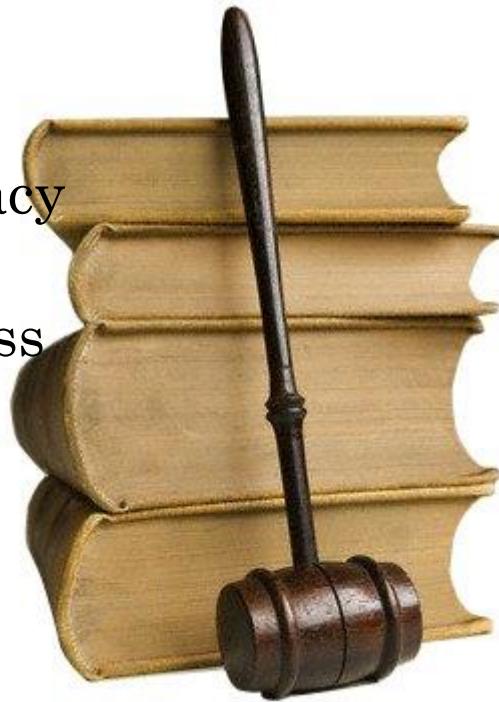
LEGAL ISSUES AND PREVENTION

Civil Laws

- Defamation
- Invasion of privacy
- Intentional emotional distress

Criminal Laws

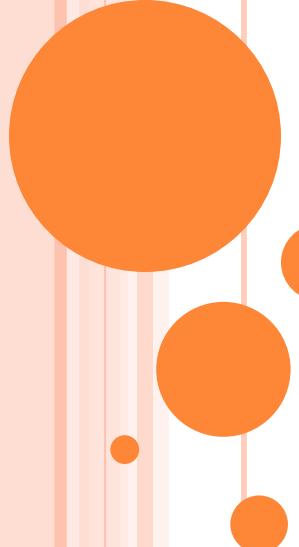
- Violent threats
- Coercion
- Harassment
- Sexual exploitation



Prevention

- Be aware
- Block them
- Don't instigate
- Tell someone
- Always log out
- Most bullying is done by someone you know
- Keep passwords safe



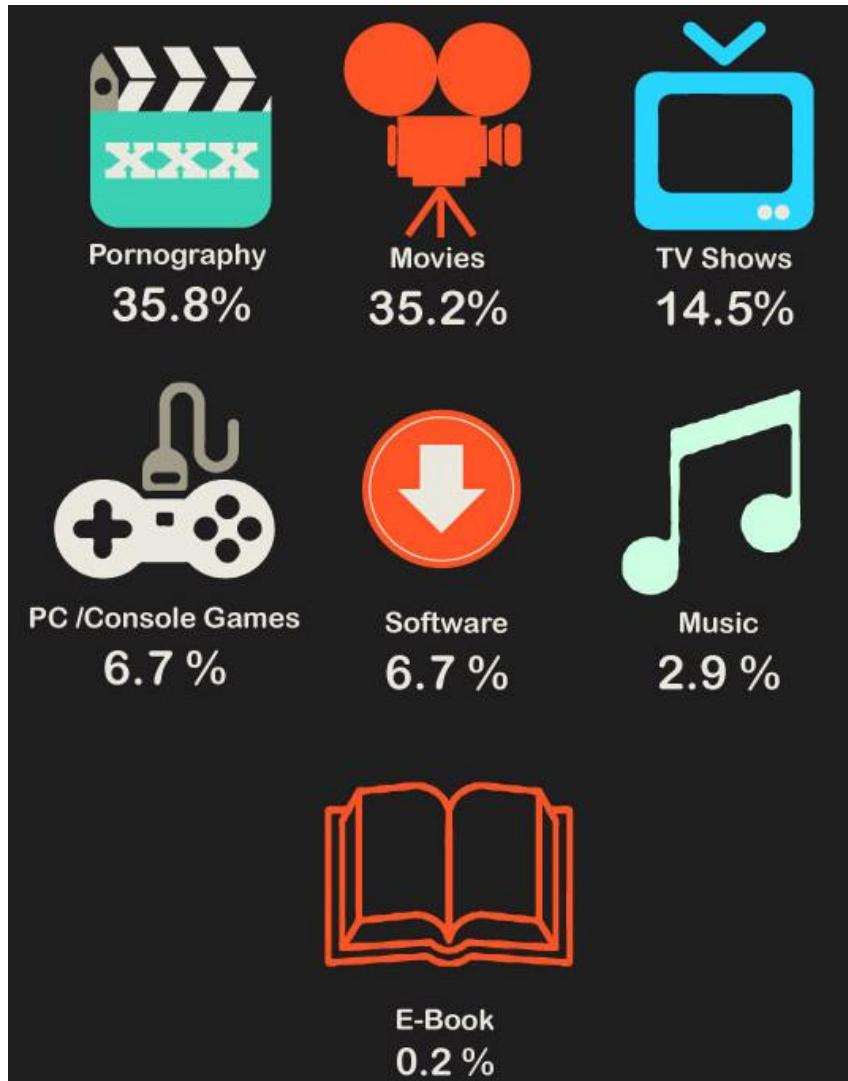


INTERNET PIRACY

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?

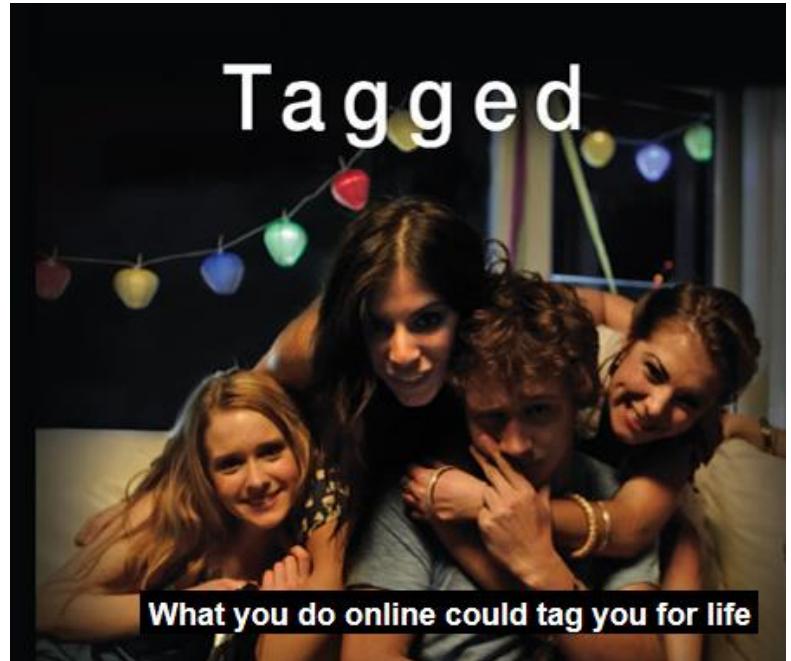


ONLINE INFORMATION

- 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)



www.communications.gov.au/easyguide/social_networking

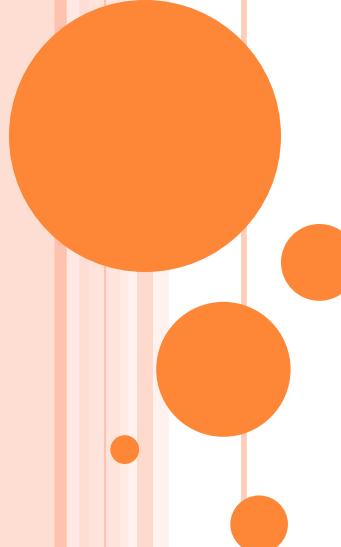
The screenshot shows the homepage of the 'Easy Guide' website. At the top left is the Australian Government crest and the text 'Australian Government' and 'Department of Communications'. To the right is a red circular logo with 'Easy Guide' in white, 'cybersafety' in small text, and 'help' in large white letters. Below the logo is a stylized sun icon. The main title 'The Easy Guide to Socialising Online' is centered above a search bar. The search bar contains the placeholder 'Show me information about...' and a dropdown menu labeled 'Select a page...'. Below the search bar are three tabs: 'Social Networking' (highlighted in red), 'Search Engines', and 'Online Games'. On the left side, there is a vertical navigation bar with four buttons: 'Home' (selected), 'Overview' (green), 'Tips' (purple), and 'About' (orange). The main content area displays a grid of 16 social networking site logos, each with its name and a small icon. The sites listed are: Bebo, Club Penguin, Facebook, Flickr, Google+, Instagram, Keek, Kik, Miiverse, Moshi Monsters, Myspace, Pinterest, Skype, Stardoll, Snapchat, Twitter, Yahoo!7 Messenger, and YouTube.

Show me information about... Select a page...

Social Networking Search Engines Online Games

Home Overview Tips About

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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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



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