

Student E-Safety

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What is E-safety?

- e-Safety the safe and responsible use of technology is sometimes presented as primarily a child protection issue.
- While children, young people and vulnerable adults do need support to keep themselves safe online the risks associated with the use of technology are not confined to them.
- e-Safety issues may also affect adults and families for example, the mismanagement of personal data, and risks of financial scams, identity theft and cyberbullying.

Why is it a concern and what are the risks?

 In the early 90s we witnessed the explosion of the internet, which changed the world as we knew it. Today, information is freely accessible, social media and other communication technologies such as Facebook, Twitter and Skype connect the world, Apps and cloud computing are now part of our everyday lives. Everyone is affected.

Did you know?

- Most kids are first exposed to porn at less than 11 years of age?
- An unsolicited image is the beginning of a long battle with porn addiction?
- 1 in 5 children ages 10-17 have been approached for sex online?
- 57% of kids have accidentally accessed inappropriate material online?
- 75% of these young people do not tell their parents about these incidents?
- The porn industry is now the 7th largest industry
- Unprotected Internet access can lead to identity theft, cyberbullying, and social network dangers?

Statistics from https://www.netnanny.com/

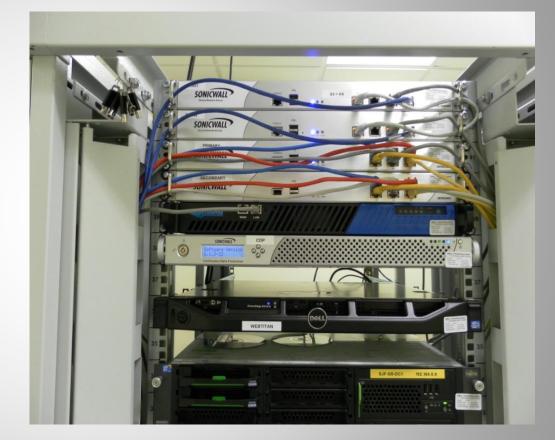
What steps are the school ICT Team taking to secure students?



- Implement the relevant policies such as E-Safety, Acceptable Use, Data Breach
- Relevant professional partnerships with specialist organisations (Breathe Technology being an example as an Education services provider with a Security specialist skillset and Securus)
- Implement best of breed security technologies with manufacturer support and updates
- Provide information to Staff, Students and Parents

Which types of security systems do we implement?

- ✓ Firewalling
- ✓ Email Security & Anti Spam
- ✓ Secure WIFI
- Internet Content and Application
 Filtering
- ✓ Windows Updates and patches
- ✓ Secure Remote access (SSL VPN)
- ✓ Anti Virus
- ✓ Student Safeguarding Systems (Securus Software)



Which systems are in place and what do they do??

Email Filtering:

PureMessage		_			
<u> F</u> ile <u>A</u> ction <u>V</u> iew <u>W</u> indow <u>H</u> elp					
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SE Filtering	Vn restricted attachment	Define	Quarantine message	•	<u>Alert</u> 🛞
Anti-virus Anti-spam	₩ On blocked phrase	<u>Define</u>	Quarantine message	-	<u>Alert</u> 🛞
😥 Content	₩ On offensive language	<u>Define</u>	Quarantine message	-	<u>Alert</u> 🛞
Disclaimers Exchange store scanning policy	Outbound messages				
 Quarantine 	C On suspicious attachment	<u>Define</u>	Quarantine message	-	<u>Alert</u> 🛞
Reports Use the provide the provided and information	C On restricted attachment	<u>Define</u>	Quarantine message	•	<u>Alert</u> 🛞
	C On blocked phrase	<u>Define</u>	Quarantine message	•	<u>Alert</u> 🛞
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	₩ On offensive language	Define	Quarantine message	•	<u>Alert</u> 🛞

- Email Anti Virus
- Email Anti Spam

An example of an quarantined email

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Message D	eveloper Adobe PDF				۲
Reply Reply Forward	Delete Move to Create Other Folder * Rule Actions *	Block Not Junk	Categorize Follow Mark as		
Respond	Actions	Junk E-mail 🛛 🖗	Options	Find OneNot	e
You made changes to an Extra line breaks in this r	other copy of this item. This is the mo message were removed.	st recent version. Click here	to see the other versions.		
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To: Platt J Mr Cc:					
	quarantine				
To view your qua	quarantined messages visit: fisher.internal:8083/qua				2Eorg%2Euk&hash=-1113326876 ≡

Internet Web and Application Filter

- WebTitan provides granular web and application monitoring and filtering.
- Every webpage or online application is filtered and then either allowed or blocked based on the content and rules set by the school.
- Logs and report are also generated and reviewed.

			Version: 4.05 (Build 148) License: WTP-2-0750-448889			
System Setup Users & Groups Policies Filtering Updates Settings Manag	ement Reporting Logs Support					
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adobe.com	Bypass Authentication, Bypass Filters	2 8				
aol.com	Bypass Authentication, Bypass Filters	2 8				
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Example of reporting

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Anti Virus

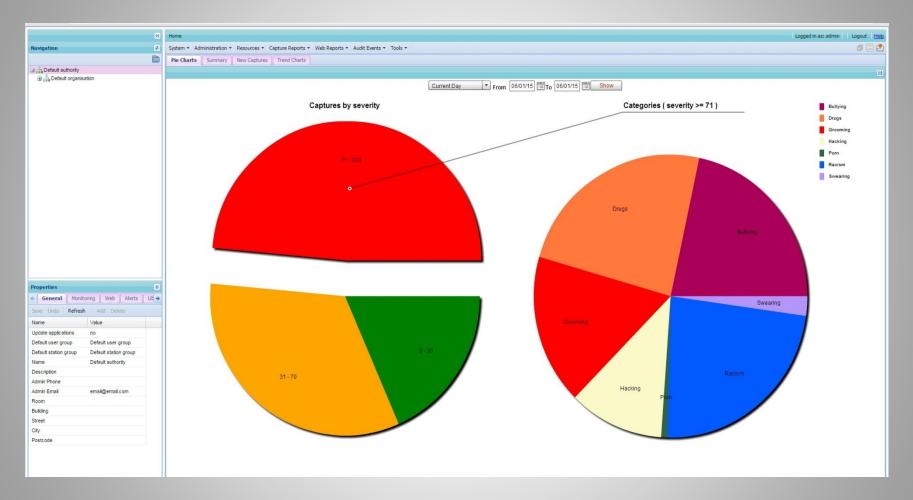
- Gateway Anti Virus (SonicWall)
- Server Anti Virus (Avira)
- Centrally Managed Desktop Anti Virus (Sophos)
- Layered approach by different vendors at different segments of the network

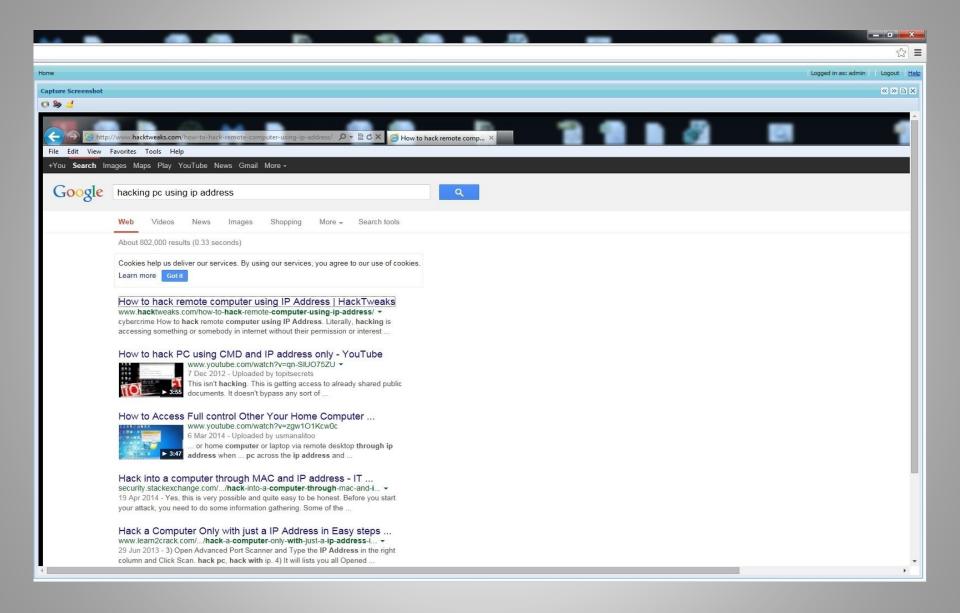
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Application control	ART-15	Same as policy		Yes		Active			Active	Inactive	/ Inactive	Active		
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Data control	BREATHEREMOTEPC	Awaiting policy tran	sfer	Not since 16/11/2014 06:39:01		Active			Inactive	Inactive	Inactive	Active		
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Tamper protection	SCOL-LRC	Same as policy		Yes		Active			Inactive	Inactive	// Inactive	Active		
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Securus Safeguarding

- Securus provides complete visibility of all events that take place on each computer.
- It's about monitoring not blocking. Providing never before achieved visibility...like CCTV for your computer
- Looks at more than the web. Every email, every word document, chat message, image upload etc.
- As an example, could be a bullying message sent between students or research on suicide.
- Reports are sent with actual screen captures to relevant trained staff.
- Internet proxies and web filter bypass are also captured

Some examples of system information





What can we as parents do to protect our children?

• The school systems are monitored and have achieved a high standard of protection. However, we are unable to control what happens on mobile phone connection and when students are at home.

What can you as parents do to protect your children?

- **Be involved in your child's online life.** For many of today's young people there is no line between the online and offline worlds. Young people use the internet to socialise and grow and, just as you guide and support them offline, you should be there for them online too. Talk to them about what they're doing, if they know you understand they are more likely to approach you if they need support.
- Watch Thinkuknow films to learn more. The Thinkuknow programme has <u>films and advice for</u> <u>children</u> from five all the way to 16. Your child may have seen these at school, but they can also be a good tool for you to find out more about what young people do online and some of the potential risks. (<u>https://www.thinkuknow.co.uk/parents/Secondary/</u>)
- Keep up-to-date with your child's development online. Be inquisitive and interested in the new gadgets and sites that your child is using. It's important that as your child learns more, so do you.

- Set boundaries in the online world just as you would in the real world. Think about what they might see, what they share, who they talk to and how long they spend online. It is important to continue to discuss boundaries so that they evolve as your child's use of technology does.
- Know what connects to the internet and how. Nowadays even the TV connects to the internet. Your child will use all sorts of devices and gadgets; make sure you're aware of which ones can connect to the internet, such as their phone or games console. Also, find out how they are accessing the internet is it your connection or a neighbour's Wifi? This will affect whether your safety settings are being applied.
- Consider the use of parental controls on devices that link to the internet, such as the TV, laptops, computers, games consoles and mobile phones. Parental controls are not just about locking and blocking, they are a tool to help you set appropriate boundaries as your child grows and develops. They are not the answer to your child's online safety, but they are a good start and are not as difficult to install as you might think. Service providers are working hard to make them simple, effective and user friendly.
- Emphasise that not everyone is who they say they are. Make sure your child knows never to meet up with someone they only know online. People might not always be who they say they are. Make sure your child understands that they should never meet up with anyone they only know online without taking a trusted adult with them.
- Know what to do if something goes wrong. Just as in the offline world, you want to help your child when they need it. Therefore, it is important to know when and how to report any problem.

What tools and technologies are available to help?

Many of the below tools are free!

Anti Virus

- <u>http://www.avira.com/en/avira-free-antivirus</u>
- <u>https://www.avast.com/en-gb/index</u>

Anti Malware

<u>https://www.malwarebytes.org/</u>

Internet content filtering

- setting on your router at home
- Speak to the ISP regarding your child's mobile phone or tablet
- <u>https://www.netnanny.com/</u>
- (easy to use online security suit and manage your child's online life)
- <u>http://www.fortinet.com/resource_center/product_downloads.html</u>
- (Security Suite, Anti-Virus/Anti-Malware, Web Filtering, Application Firewall)

Thank you for your time...