

Security Concepts



LESSON PLAN

	Time	Slide
Learning objectives <ul style="list-style-type: none">• New knowledge to overcome security myths and misconceptions• An understanding of the value of information• A security mind-set• Awareness of malicious behaviour online	— : —	0
1. Being more secure, it's worth it	2 : 00	1
Internet security can be managed by everyone just by using good cyber hygiene, habits, and health.		
DO think of Internet security as something you can take responsibility for, by devoting a little time to it.		
Notes: <hr/> <hr/> <hr/> <hr/> <hr/>		



	Time	Slide
2. Your information and computer's resources are valuable	2 : 00	2
Your information has value on the Internet: be careful how you give it away. Your Internet connection and computer's resources can be valuable to others.	— : —	
DO be careful when giving out your information online. DO take action to protect your computer.		
Notes: _____ _____ _____ _____ _____		
3. A security mind-set	2 : 00	3
Thinking about security from a criminal's perspective can give you valuable insight for making decisions about your risk and safety.	— : —	
DO think about security before taking the easy option.		
Notes: _____ _____ _____ _____ _____		



	Time	Slide
4. Online risks	2 : 00	4
Criminals on the Internet try to trick people out of their money, their personal information or use software created with malicious intention (malware) to automate the process. Security services (anti-malware and firewalls), encryption and a critical mind help defend against this.	— : —	
DO be aware of criminals. DO keep your security service up-to-date, and use encrypted services for sensitive communications.		
Notes: _____ _____ _____ _____		
5. Good habits	2 : 00	5
With a little effort, you can greatly reduce your risk. If you do have problems, help is available.	— : —	
DO think of security in terms of good hygiene, good habits and good help that reduce your risk.		
Notes: _____ _____ _____ _____ _____		



Practice

Discussion Questions:

- > How do you reduce risk in your everyday life?
- > When should you give the correct information and when can you leave it blank?
- > How would you try to get someone to tell you their password?
- > Is it easier to trick someone when they can't see you?
- > What are good habits in life?
- > What are good habits online?
- > Who could you call for help?

Glossary of Terms

Botnet	A network of remotely controlled computers on the Internet.
Encryption	A process of converting information to a form unreadable to untrusted parties that still contains the original information and is able to be read by the intended recipient.
Firewall	A computer safety barrier between networks or a computer and the network.
Malware	Software designed primarily for a malicious purpose.
Security Mind-set	A way of thinking about computers that focuses on security defects.
Social Media	Internet technologies designed for socialising and sharing such as Facebook, and Twitter.
Zombie Computer	A computer that is infected with malware that allows it to be controlled remotely and is part of a botnet.