Knowledge Organiser: Computer Crime & Cyber Security

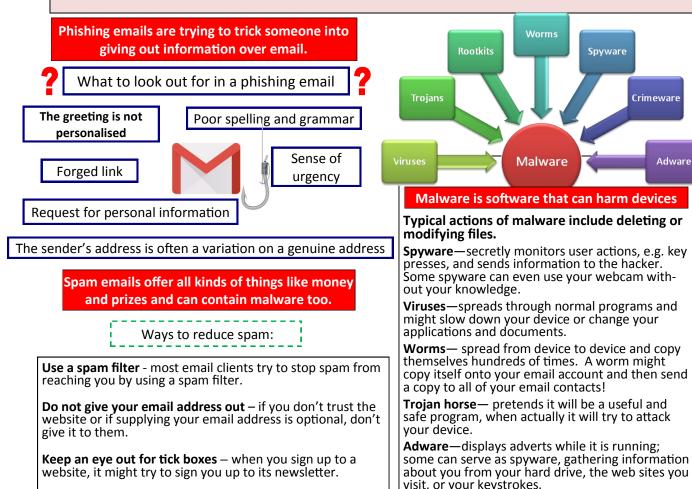
Summary

Malware is a general term that describes lots of different programs that try to do something unwanted to your computer. Malware is made to stop your device from running properly and sometimes to steal your information.

Anti-malware software is designed to find and stop malware from damaging your computer or a network. To protect your computer you need to install **anti-malware** software and run regular scans.

When you are online you need to watch out for **phishing** and **spam emails** and protect your private information. **Phishing** emails are trying to trick someone into giving out information over email. **Spam emails** can contain **malware**.

Smartphones and mobile devices allow for photos, videos and your location to be shared instantly on the internet. **Be careful what you get up to in public as anyone might have a smartphone pointed at you.** Do not post photos or videos of other people online without their permission.



Key Vocabulary

| Backup | A copy of important files that is kept separately in case your original files are lost or damaged. |
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| Chat room | Accessed on the internet, users can meet to chat in real-time, messages are typed out but voice chat rooms exist too. |
| Copyright | A set of rights that prevents people copying and distributing a piece of work without the copyright holder's permission. |
| Data | Values, typically letters or numbers. |
| File sharing | The act of sharing files over the internet. |
| Firewall | An application that prevents unauthorised connections to and from the Internet. |
| Hack | Gaining unauthorised access to a computer. |
| Information | Data that has meaning, not just a number or a letter. |
| Licence | A legal agreement between the company who published the software and the end user covering areas such as copyright. |
| Malware | Malicious software created to damage or gain illegal access to computer systems. |

Staying safe online

Never disclose your name telephone number address or school

It's wise not to share your location. Especially on websites and apps that are accessible by anyone.



Never accept someone as a 'friend' on social media simply because they claim to know another friend of yours.

Always be cautious about what you say online.

