# Unit 1.6 Security Systems

## Low

* Read the definition on Malware and underline the key words in each statement
* Find examples of malware for each type of malware given
* State two things that this malware does

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| **Types of Malware*** Otherwise known as ‘malicious software’
* Software which can be malicious if damaging to a computer or network
 |
| **Viruses** | **Worms** | **Trojan Horses** |
| * Replicates by reproducing itself
* Infects other programs by modifying them
* Can also infect other parts of the operating system
* Data files, boot sector of hard drive are examples
* Concept virus
* ILOVEYOU virus
 | * Replicates by reproducing itself
* Does not alter files
* Resides in active memory
* Takes advantage of parts of an operating system that are not usually visible to the user, for example system files
* Morris worm
* Blaster worm
* Storm worm
 | * Often disguised as legitimate software
* Can allow control of the system and its’ key functions, including:
* Deleting data
* Blocking data
* Modifying data
* Copying data
* Disrupting the performance of computers or computer networks
* Unable to replicate
* Can be classified according to the type of actions that can be performed on the computer, examples include exploits, backdoor and rootkit.
* OSX/RSPlug Trojan
* Klez
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## Medium

* Define what malware is
* Identify the three types of malware and write one type into each column
* Find examples of malware for each type and describe each one and how it works

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| **What is Malware**Malware, otherwise known as ‘malicious software’, is software which can be damaging to a computer or network. |
| **Types of Malware** |
| **Viruses** | **Worms** | **Trojan Horses** |
| * Replicates by reproducing itself
* Infects other programs by modifying them
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* OSX/RSPlug Trojan
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 |

1. Locate stories of exploits and reference them to the relevant type of malware.
	1. Summarise the key points you have learnt into a poster informing people about malware

## High

* Define what malware is
* Identify the three types of malware and write one type into each column
* Fine examples of malware for each type and describe each one and how it works

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| **Types of Malware** **What is Malware**Malware, otherwise known as ‘malicious software’, is software which can be damaging to a computer or network. |
| **Viruses** | **Worms** | **Trojan Horses** |
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Extension:

1. Locate stories of exploits and reference them to the relevant type of malware.
2. Identify social, moral, legal, cultural issues within these stories
3. Write a short essay on:
	1. “Without hacking there would be less security and the effects of hacking would be worse!” **or**
	2. “There is no perfect virus checker – we are always one step behind in security”