

# Lesson 6: The spread of the web

Computing

**Developing for the Web**

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*Materials from the Teach Computing Curriculum created by the National Centre for Computing Education*



# Task 1 - Protection from threats

Look at the descriptions, malware types, and protection measures on the following slides, then complete the match-up task that follows.



# Task 1 - Protection from threats - Descriptions

#	Threat description
1	Programs designed to lock you out of your computer and not let you access the data unless you pay a ransom.
2	A malicious program that hides inside other files that users might believe are harmless.
3	Installed without you knowing and used to track all your activity when you browse the World Wide Web.
4	Executable code that when run damages the files and stops the computer from operating normally.
5	Executable code that when run damages the files and stops the computer from operating normally.



# Task 1 - Protection from threats - Malware type

#	Malware type
1	Trojan horse
2	Virus
3	Spyware
4	Ransomware
5	Worm



# Task 1 - Protection from threats - Protection measure

#	Protection measure
1	Antivirus package that includes a scanner to check files when they are opened.
2	Make sure you only visit websites that you believe can be trusted.
3	Spread in the same way as a virus, make sure you have up-to-date antivirus software and that you don't open files that you think are suspicious.
4	Make sure the operating system of the computer has up-to-date fixes (patches).
5	Don't open files unless you are certain about what they contain.



# Task 1 - Protection from threats - Match-up

Match up the threat description with the malware type, and then write the description of the correct corresponding protection measure for those threats.

Threat description	Malware type	Protection measure
1		
2		
3		
4		
5		

## Task 2 - Complete your website

1. Add a new page that summarises one type of malware. Explaining the following:
  - a. What it is
  - b. What it does
  - c. How to protect against it
2. Add a basic homepage to your website that links to all three pages.
3. Make sure you can get back to the homepage from each of the three pages by adding some additional navigation links.



## Task 2 - Website navigation

Don't forget to make sure you introduce a homepage with links to your pages, and links in those pages to get back to your homepage like you were shown in the demonstration. Watch that part again if you need a recap.

