



LISTEN to Miss Jenkins explain the task

HOME LEARNING

Subject: ICT

Teacher: Miss Jenkins

Learning Objective: DIGITAL LITERACY
To understand Computer Viruses and Malware

Computer Viruses and Worms

MALWARE stands for **MALicious softWARE**. Software are programs and Apps on our devices. Malware software can be downloaded onto devices but – not on purpose!

Apps and updates online can look good, entertaining, and useful but unless they're from a **trusted source** there is the risk that when downloaded they may have code in them which is **MALICIOUS** - meaning that it intends to do harm. Two of the most common types of Malicious software are:

VIRUSES: When the software is run the virus spreads

WORMS: Spreads itself a within a device or network, which is a group of computers linked together – like the School Network.

Find out a little more about Viruses and Malware via this link and video.

<https://www.bbc.co.uk/bitesize/clips/zwk26sg>

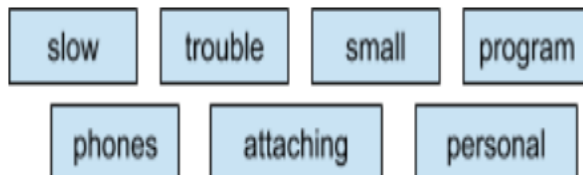
<https://www.bbc.co.uk/bitesize/topics/zd92fg8/articles/zcmbgk7>

Now see if you can fill in the blanks on the next page.



Virus:

A virus is a _____ that can attack computers, tablets, _____ and other digital devices. A virus is a _____ program designed to cause _____ by gaining access to your device. It can copy your _____ data or _____ your device down. A virus spreads by duplicating itself and by _____ itself to other files.



Other common types of Malware includes **Spyware** and **Trojan Horse**. You can do a little research to find out more about them.

Match the terms to their definitions below.

Virus

This type of malware pretends it will be useful and is a safe program when it will actually try and attack your device.

Spyware

This type of malware can copy itself hundreds of times so can hard your devices very quickly.

Worm

A type of malware that spreads through normal programs. It could simply slow your device down or cause you to lose all access to programs on your computer.

Trojan Horse

A type of malware that installs itself onto devices and then steals personal information about the user like usernames and passwords. It tracks every key the user pressed- called keylogging.

Research task

Create a poster or fact sheet – to show what do you now know about Malicious software and its most common types. How can you keep your devices and data safe?

You can draw the poster/factsheet or use software like MS PowerPoint or MS Publisher – Make it colourful and interesting!

As an extension - add a little information about **SPYWARE** and **TROJAN HORSE** – you may need to do some research.

If you would like us to see or mark your work, please email it, **or send a photo** of your completed work to Miss Jenkins - mjenkins@glebe.bromley.sch.uk Thank you.