



# MALWARE PREVENTION

# LEARNING OBJECTIVES

1

Learn what  
Malware and  
Viruses are

2

Understand the  
dangers of being  
infected

3

Know how  
malware infects  
computers

4

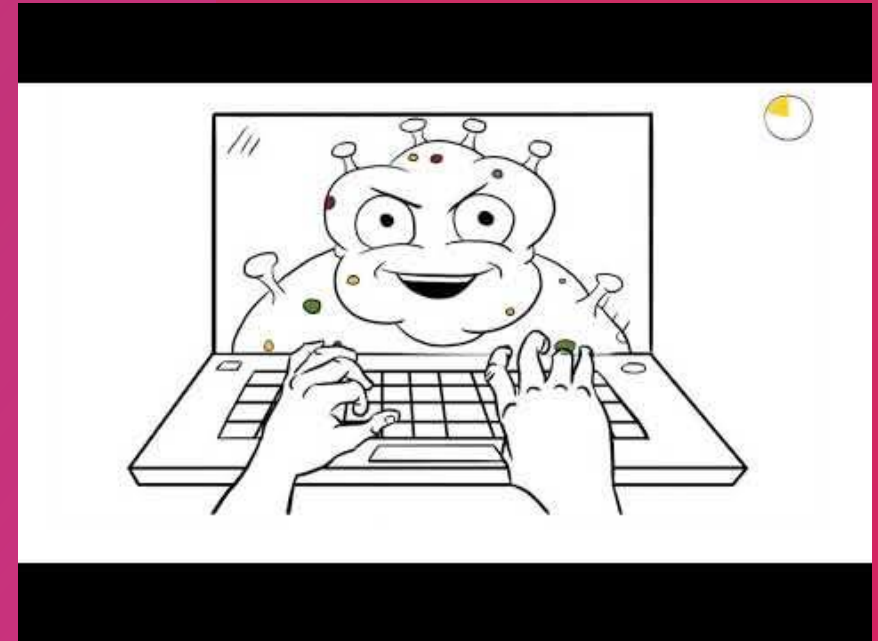
Understand how  
to effectively  
stop Malware

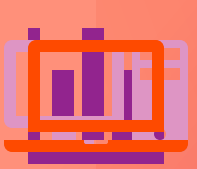
# WHAT IS MALWARE?

A PROGRAM THAT IS DESIGNED  
TO BE DISRUPTIVE AND CAUSE  
DAMAGE TO A COMPUTER.

# WHAT IS A COMPUTER VIRUS?

A COMPUTER PROGRAM THAT  
MAKES COPIES OF ITSELF TO  
DESTROY INFORMATION AND  
TAKE OVER A COMPUTER.





# WHAT DOES A COMPUTER VIRUS DO?

Steals and corrupts data

Causes the computers to slow down

Copies itself and spreads other  
computers

# WHAT'S THE DIFFERENCE? VIRUS AND MALWARE

A VIRUS IS A TYPE OF MALWARE, BUT IT  
CAN CREATE COPIES OF ITSELF.

WHAT ARE  
SOME  
COMMON  
TYPES OF  
MALWARE?

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# Adware

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# Spyware

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# Ransomware

# WHAT IS ADWARE?

An unwanted program that collects personal information and displays advertisements that are often disruptive.



# WHAT IS SPYWARE?

A PROGRAM THAT IS DESIGNED TO COLLECT  
INFORMATION FROM A COMPUTER WITHOUT  
THE USER KNOWING.



# WHAT IS RANSOMWARE?

A PROGRAM THAT IS  
DESIGNED TO BLOCK ACCESS  
TO A COMPUTER, OFTEN TO  
UNTIL MONEY IS PAID.

# WHAT IS AN EXECUTABLE?

A FILE OR PROGRAM THAT CAN BE RUN BY A  
COMPUTER.

HOW ARE  
WE  
INFECTED  
WITH  
A VIRUS OR  
MALWARE?

Emails

Executables/Programs

Internet Links

# WHAT DEVICES CAN BE INFECTED WITH MALWARE?

Smartphones

Windows Computers

Mac Computers

Any internet connected device

**CLASS DISCUSSION:  
HOW DO WE AVOID  
MALWARE?**

# HOW DO WE PREVENT BEING INFECTED VIRUSES AND MALWARE?

1

Never click  
suspicious links or  
visit unsafe websites

2

Never open email  
sent by someone you  
don't know

3

Install programs to  
prevent malware and  
viruses

# WHAT IS AN ANTIVIRUS?

A PROGRAM THAT IS DESIGNED TO DETECT  
AND DESTROY COMPUTER VIRUSES AND  
MALWARE.



**TRUSTED  
ANTIVIRUS  
PROGRAMS**

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McAfee

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Trend Micro

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Windows Defender

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Norton

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Bitdefender

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Malwarebytes

**REFLECTION: WHAT  
STEPS WILL YOU TAKE  
TO PROTECT YOURSELF  
AGAINST MALWARE?**