



Module 1

Introduction to Cybersecurity



CYBERSPACE?

Cyberspace is the global interconnected digital technology.

It is the virtual environment in which online communication occurs.

Made up of systems, devices, networks, applications and information.



Video conferencing do's and don'ts



For students

- Join classes using your real name
- Only share information related to the lesson on the chat
- Use the latest version of video conferencing solutions such as Zoom and Microsoft Teams

For teachers

- Be careful about the documents or screens you share
- Verify the student's identity to prevent intruders from joining
- Enable the 'Waiting Room'
- Don't allow students to screen share unless needed for class presentations
- If needed, remove students or parents who do not follow the classroom rules
- Disable private messages to foster transparency and easier management
- Always reiterate the security guidelines at the beginning of each class

CYBERSECURITY TRAINING FOR TEACHERS (CTT)

WHAT IS CYBERSECURITY?

The practice of protecting systems, devices, networks, programs and information from digital attacks.

Main purpose: to protect the information stored in these systems from modification and unauthorized access.

THE CIA TRIAD



Confidentiality: an organization's efforts to keep their data private or secret.

Integrity: ensuring that data has not been tampered with and, therefore, can be trusted.

Availability: the guarantee of reliable and timely access to information and services by authorized people.

Before selecting technology to use for online learning, ask:

- Is the online learning technology accessible?
- How easy is the technology to use?
- Is the online learning technology safe and secure for school use?

Security is like locking your house or car – it doesn't stop the bad guys, but if it's good enough they may move on to an easier target.

- Paul Herbka