Network security

RATIONALE

The use of digital devices, social media and the internet is nowadays an extremely common activity. Internet browsing in a safe and responsible way not only depends on one's personal habits, but also on installation and setup procedures and usage rules. Knowing these concepts will avoid unexpected events and crimes.

OBJECTIVES

To acquire knowledge, skills and attitudes which allow safe, autonomous and responsible use of the internet, endeavouring to:

• Identify the different dangers of internet browsing.
• Get to know methods to browse the internet safely and responsibly.
• Use safe and responsible browsing techniques on the internet.

CONTENTS

• Passwords.
• Security systems on devices and in apps.
> - Original software.
> - Updates.
• Moral codes in the net:
> - Loss of privacy.
> - Identity protection.
> - Conflict prevention.
> - Social Media.
• Types of malware and social engineering (smishing, phishing...).
• Safe online shopping.

ACTIVITIES

INITIAL PHASE (Prior activity)	• Test your security: Interactive infographic with web links; analysis of passwords and data leaks.
DEVELOPMENT PHASE (Session)	• Positive Internet: Uses and applications. • 24/7 connection: Analysis of daily use of networks. • Network dangers: Common connection risks.
IMPLEMENTATION AND COMMUNICATION PHASE (Subsequent activity)	Updating the security levels of our APPs: Proposal to analyse and update the security levels of the apps used.

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CONTRIBUTION TO COMPETENCES

DISCIPLINARY

- Technological competence.
- Social and civic competence.
- Communicative, linguistic and literary competence.

TRANSVERSALS

- Competence for verbal, non-verbal and digital communication.
- Competence in learning to learn and to think.
- Civic competence.

METHODOLOGY

- Individual work.
- Design Thinking.
- Collaborative work- Thinking based learning.

ORGANIZATION

ICT resources and tools	Spaces and groups	Duration
• Digital screen or projector. • Internet access. • One mobile device per group.	• Groups of 3 or 4 people, facing large screen projection.	1 session - 90'

EVALUATION

TEACHING STAFF

STUDENTS

Satisfaction survey.

Satisfaction survey.