Cybersecurity

SUBJECT AREAS:

Technology

ACTIVITY DESCRIPTION:

At the beginning students will answer a quiz about cybersecurity, after the theoretical part students will do the practical activity.

OBJECTIVES:

- To learn about cybersecurity and how to safely use the internet

MATERIALS:

Computers,

Internet.

Mentimeter (other).

GRADE/LEVEL:

Upper Elementary School (12-14)

DURATION:

Preparation time: 60 min.

Activity time: 60 min.

PLACE:

Classroom

AUTOR:

Centro per lo Sviluppo Creativo "Danilo Dolci" - Italy

INTRODUCTION:

Cybersecurity is all about keeping computer systems and electronic data safe. As cybercrime becomes more frequent, cybersecurity practitioners are increasingly needed to protect people, organizations and their information.

BACKGROUND:

Today's students are already used to the use of the internet every day, but they often do not know how to protect their data and use the internet securely

Procedure:

Outline: For this lesson it's necessary to prepare the quiz which will allow students to answer questions regarding the safe use of the Internet. After each question a short discussion can be made about their answers, different opinions and what is really relevant and why.

Instruction:
The questions like:
Do you have social networks? To understand how many students and whether they use social networks. The 'important thing to note is that to have profiles on the social network you must be at least 13 years old (for some more).

Do you share your personal information with other people online that you don't know? Which information, home address, phone number, important data about yourself or your family, photos.

Do you know how to set the secure password? Passwords are really important and shouldn't be shared with others, how to make sure you have a "strong" password.
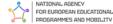
Do you know how to recognize fake news? Where do you read news, search for information, what are reliable resources?

After the quiz and discussion about possible risks that may occur during their activities on Internet, you can give your students task to search for examples online of fake news, phishing, hate speech, cyberbullying, enticement or grooming and other possible threat that can occur.

Evaluate their findings and ask students if they know what happened and how it's possible to avoid similar situations.

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FUN FACTS:

➢ *73% of teenagers can't imagine life without a smartphone, and half of them take their phone to bed*

➢ *44% of kids aged 8 to 16 are online constantly, with a preference for entertainment and social media apps*

➢ *40% of children reveal sensitive information online, including their home address*

➢ *A third of young people lie about their age online*

➢ *37% of kids have experienced online dangers, including bullying, financial threats, and inappropriate content*

ASSESSMENT:

Quiz at the beginning of the lesson, practical work of students. For the quiz it is possible to use Mentimeter as it can present the main answers on whiteboard with showing who has answered. Suggestion about possible questions are showed on introduction part.

EVALUATION:

As cybersecurity is really important teacher can suggest students to do a short research about cybersecurity or to write an assay about what they have learned as important steps in secure use of internet.