

Cybergram

Cybergram is a learning environment about cyber hazards and -security dedicated to students of basic school, available in Estonian, Russian and English.

The purpose of Cybergram is to raise awareness of dangers online, possible solutions and helpful resources among school children, as well as encourage open conversation about these topics.

Subject: cyber security, information analysis skill

Context

Young people, just like adults, spend several hours of the day on a smart device or in front of screens. Often parents are not at all aware of what they come across on the internet. Environments are constantly changing and developing, and in sync with this development, potential threats are also changing, both in the form of increasingly convincing fraudulent content or just by malicious behavior of people.

Denial, prohibition or intimidation does no favors for actually adapting to the rapid changes of the world. Coping with cyber threats can be supported by raising the awareness of young people and emphasising human values. In a school lesson, there is an opportunity to start a discussion on cyber threats, which is supported by this learning environment.

The goal of Cybergram is to aid children with the development of their content analysing skills, encourage open communication and sharing experiences, so they are better equipped to steer away

from dangerous situations online. Furthermore, that they would be able to cope, know where to find support and assistance in case anything does happen.

Target group

children of basic school.

Possible use of the learning environment

The learning environment can be used in various subjects, for example computer/technology studies, social studies, human studies, study skills class, or also in language classes, as the platform is multilingual.

Connection with the national curriculum:

Key words, more specific overview is in the [National Curriculum of the Primary School](#), section 14: topics covered by the curriculum, points 3–8: *social competence; communication competence; information environment and media use, media competence; content analysis; technology and innovation; health and safety; values and morality*



VIDEO CONTENT:
18 m 13 s



INFO POSTS:
3 posts



QUIZZES:
15 questions



SPAM:
3 pictures, 1 video

Learning objectives of the lesson

Students are aware of the most typical dangers on the Internet.

Students can recognize the signs of scams and phishing content.

Students know where to go to acquire help, support and assistance to navigate difficult situations they encounter online.

Students are able to discuss the topic of cyber threats.

Potential structure for a lesson

The purpose of the proposed plan is to introduce the possibilities of the platform. These are only a few options for the structure of the lesson. The final choice of topics and methods is made by the teacher.

**10
min**

Introduction to the topic.

What is the purpose of the lesson and what activities are planned. Discussing cyber threats and watching the first 2 videos together.

Making sure that all students have access to the environment and that the technology works.

**20
min**

Independent work. Students continue to explore the platform independently, going through all the videos and taking the quiz.

**15
min**

Discussion and conclusions.

E.g: confirming the tips, analysing chosen quiz scenarios together, sharing personal experiences.

Alternatives

v1

5 min introduction and then the content is reviewed together on a big screen. The discussion is held organically after each video or quiz.

v2

5 min for introduction and then focusing narrowly on some specific area (for example, passwords, data sharing or invasion of privacy), choosing content related to the relevant topic from the hashtags section.

Possible follow-up activities

- The discussion will be continued in the next hour
- Follow-up ask to talk about the topics with family or friends and share some stories, experiences in the next lesson
- Follow-up task to discover fraudulent content while surfing online and capturing it with screenshots, in the next lesson the observations and experiences can be shared



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Preparation for the teacher

Necessary means

- Computer
- Internet connection
- Projector
- Speakers and/or making sure that each student has a smartphone with headphones

Activities

- Getting acquainted with the content of the platform before class
- Preparing questions and discussion points
- Optional: choosing a narrower topic, preparing discussion points and questions for that

Possibilities to plan a lesson

- Content is consumed together on a large screen via Zoom in a video lesson
- Each student familiarizes themselves with the content independently from their smartphone

