Syllabi # 2 Online safety: How to protect yourself and help others?

Integration into school subjects - Computer Science, Safety Education, Social Studies

Target group	Primary school students
Group dimension	Minimum: 10 students Maximum: 30 students
Preparation for lessons	Access to a projector and a computer with Internet. Familiarisation with the proposed educational resources. Research on available privacy policies, simplified in content for primary school students.
Learning objectives based on the DataPro curriculum	**A. How do you protect your data (and information trust)?** **A.2 Protecting yourself:** Learning to use tools to protect communications (spam filters, email settings). Introducing security rules such as different passwords for different services, software updates. **A.5 Protection of others:** Understanding the consequences of sharing other people's data without their consent. Learning how to use social media platforms and share content responsibly. **B. What makes data protection a human right?** **B.4 Respect for human rights:** Awareness that online privacy is part of human dignity and rights. Learning digital responsibility towards other users. **B.7 Privacy Policy:** A simple introduction to reading privacy policies and understanding what data is collected by apps and services. **C. What makes data valuable (economically)?**

	Selling the data: Explaining how pupils' data can be used for advertising or commercial purposes. Learning about the dangers of sharing too much data online.
Other learning outcomes, if applicable	Development of critical thinking and problem solving skills. Development of creativity in students through poster preparation activities.
Lesson duration including homework time	A handout for 3 school lessons of 45 minutes each. A total of 135 minutes of lessons. Additional time for homework under the first and second methodology proposals, 45 minutes each.
Technical requirements/capacities	Laptops or computer with internet access. Projector. Smartphones.
DataPro resources that can be used for lessons	Data protection curriculum. DataPro Assistant (Chatbot). Editable link to the "Online safety" poster template in Canva
Additional educational resources	Online quizzes: Topic - hate (PL) ; Topic - phishing (PL) Examples of privacy policies, simplified in content for primary school students (the teacher does his/her own research in preparation for the lesson.). Video materials: Aces of the Internet - Children's safety on the Internet (from channel Smart Kids Planet) (PL) Cartoons on internet safety rules (Sieciaki.pl) (PL) Educational film for children, surf the net safely (PL) Phishing, or trouble is our speciality (PL)

Suggestions for methodology or lesson delivery	Proposal 1 1. Introduction*: „Who I am on the Internet?"* – Brief discussion about what data pupils share online (e.g. name, photos, location). The teacher can use audio-visual cartoons about online safety rules. 2. Ćwiczenia grupowe ze scenariuszami/pytaniami opartymi na materiałach wideo *„Children's safety on the Internet"* – Pupils analyse particular situations from the video (e.g. responding to messages from strangers) and answer questions. The teacher pauses the video at appropriate moments to allow students to speak freely. 2. Workshop-style exercise (work in pairs or groups of three). Teacher shows the rest of the video on creating strong online passwords. Students are asked to create strong passwords. Group representative writes down proposed password on the board. Pupils vote for the strongest password. 3. Summary and homework. Homework: Prepare a poster promoting online safety and respecting the rights of others online. Proposal 2 1. Introduction about online dangers. The teacher can use the videos provided in the Additional Learning Resources section for this purpose. 2. Exercise: *„Recognise the threat"* – Students are asked to identify the type of attack in the following situation: *Julia received an email stating that her bank account had been compromised and that she needed to change her password immediately. The email contains a link to a fake bank website.* The teacher gives the solution and a discussion about what phishing is follows: *Phishing – Attempted phishing for bank account login details by impersonating a trusted institution.* 3. Summary from the teacher about ways to defend against phishing: *Do not click on links in suspicious emails. Always log in directly via the bank's official website by typing the address manually into your browser. Install an anti-virus programme with phishing protection.* 4. Homework for activity/for those willing. Homework: Prepare a poster about the potential dangers online. Proposal 3

	1. My questions to the chatbot about online safety, myself and colleagues. Students use DataPro Assistant (Chatbota). 2. Summary of the chatbot's responses to the class. 3. Mini lecture: Privacy policies in practice. Explanation of how pupils' data can be used for advertising or commercial purposes.

Syllabi DataPro Poland/CWEP

WP2

Contact	Joanna Bać
Institution	CWEP
E-Mail	joanna.bac@cwep.eu
Phone	+48 17 853 66 72

Project	DataPro
Level of dissemination	Public
Date of creation	December 2024-February 2025
Author	Joanna Bać

Co-funded by the European Union

Disclaimer
Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.