



B - Understanding Risks Online with the Smart Home Challenge

Lesson plan for the subjects: Economics, Media Education, Civics/Social Studies/Politics

Taught Topics	<i>According to Curriculum Topic Block B – Privacy as a Human Right :</i> • Learn about the different risk levels associated with personal data (Article 9 of the GDPR) • Weigh up benefits such as online convenience against priorities such as the protection of privacy • Data connections used by smart devices • Independent reflection on online behaviour and the use of smart devices
Target Group	Students from 13-16 years of age (Grades 8 to 12, depending on school type)
Subjects	Economics, Civics, Social Studies, Politics, Media Education
Group Size	Standard class size, approximately 25 students
Helpful Prior Knowledge	• Knowledge of data collection on digital platforms • Experience using smart devices • Understanding of smart device connectivity (apps, Bluetooth, Wi-Fi)
Learning Objectives according to the DataPro Curriculum	• B.2 Understanding self-determination • B.3 Knowledge of data protection legislation (GDPR) • B.5 Privacy risk assessment
Lesson Duration	90min
Technical Requirements	• Projector • Laptops, notebooks, or tablets for students
DataPro Media	Please find following material on our respective website section: https://www.datapro.education/datapro-webgames/



	• PowerPoint slides 'B – Understanding Risks' (customizable) • Associated worksheet 'DataPro Webgames' (editable) • Web game Smart Home Challenge: https://dataprogames.ph-freiburg.de/
Lesson Plan	• Introduction: Discuss Art. 9. of the GDPR in class. Important is the distinction of personal data and especially sensitive data. Reflect with the students why this might be the case (political systems, power abuse, criminality, discrimination, ...). Clarify that sharing certain types of data online might be riskier than other (personal) data. • Class Task: Brainstorm about what kind of data is shared with smart devices/ in an IoT context: Visuals (camera), audio (microphone), Bluetooth. Collect and contextualize on the black board (mind map or flow chart) • Group Task: Task 3 from the accompanying worksheet "DataPro Webgames". Classifying data types (see Introduction) and collectively assessing the risks associated with the shared data as a class. Establish a link to the lesson introduction. • Plenary Dialogue (Teacher & Students): Which data types do you consider to be particularly sensitive? Do you use smart devices? What would you do if you had a smart home? • Reflection through Play: Play the DataPro web game "Smart Home Challenge". Emphasise that there are risks associated with every decision to share data. At the same time, smart devices can use data to provide convenience and make everyday life easier. Teachers are advised to review the accompanying Game Guide beforehand (accessible on our website) • Conclusion: Feedback and reflection on what has been learnt and played in class. Which of the nine different outcomes did the pupils achieve in the Smart Home Challenge? Would they change anything if they were to play the challenge again?



DataPro Syllabi

Privacy as a Human Right

Workpackage 2

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