

## Module 1

# Online Safety

Incl. Cyber Security, Malware, Phishing, & Pharming, Social Engineering



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## Project information

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# 1 Learning Objectives

1. Understanding cyber security
2. Protecting yourself online
3. Action on cyber security matters

# 2 General Description

Students may not be familiar with online safety. This module offers guidance on the different concepts of cyber security and shows ways to prevent cyber security matters and be protected when browsing online. Students will understand cyber security, will learn to protect themselves and their devices and finally will get into acting if a security breach happens.

# 3 Introduction to the Topic

While the Internet is one of the greatest creations, providing with instant access to endless supply of knowledge and entertainment, it is also harbouring a variety of threats such as malicious programs, online viruses, fraud, identity theft, etc. There are a series of actions anyone should take to prevent cyber security matters and to protect their personal data when browsing online.

## 4 Framework

TOPIC 1	Indicators (Level)	Benchmarks (Aim)	Syllabus	Activity	Resources / Scenarios <i>Basic</i> (10-12 y.o.)	Resources / Scenarios <i>Advanced</i> (12-15 y.o.)	Assessment
ONLINE SAFETY	<b>Understand</b>	<p><b>1.1</b> The student understands what cyber security is.</p> <p><b>1.2</b> The student understands how to protect themselves online.</p> <p><b>1.3</b> The student understands main actions to deal with cyber security matters.</p>	<p><b>1.1</b> I understand cyber security and its importance.</p> <p><b>1.2</b> I understand the ways of protecting myself when online.</p> <p><b>1.3</b> I understand the steps of dealing with cyber security matters.</p>	Lecture via online tools and examples of cyber security matters	Online tutorial / video	Online tutorial / video	Pre / Post assessment quiz
	<b>Engage / Interact</b>	<p><b>2.1</b> The student knows indicators of potential security threats.</p> <p><b>2.2</b> The student interacts with cyber security matters.</p>	<p><b>2.1</b> I know how to recognize threats online.</p> <p><b>2.2</b> I engage and solve cyber security matters.</p>	<p><b>2.1</b> Presentation on different online threats.</p> <p><b>2.2</b> Examples of problem-solving in regard to the breach.</p>	Scenarios of different cyber security matters.	Scenarios of different cyber security matters (advanced).	Assessment based on the results from activity.

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<b>Analyze</b>	<b>3.1</b> The student analyzes the impact of cyber security matters.	<b>3.1</b> I am able to analyze the impact from a security breach online.	<b>3.1</b> Presentation on cyber security matters and their potential impact.	Analyze concrete examples and demonstrations of cyber security matters and their impact.	Analyze concrete examples and demonstrations of cyber security matters and their impact.	Short letter explaining the impact of a security breach.
<b>Evaluate</b>	<p><b>4.1</b> The student evaluates if a site is secure to visit.</p> <p><b>4.2</b> The student evaluates if a Wi-Fi network is secure or not.</p>	<p><b>4.1</b> I am able to evaluate the security of a website.</p> <p><b>4.2</b> I am able to evaluate the security of public Wi-Fi networks.</p>	<p><b>4.1</b> Comparison between safe and not safe websites.</p> <p><b>4.2</b> Comparison between safe and not safe Wi-Fi networks.</p>	<p><b>4.1</b> Example websites (safe / unsafe).</p> <p><b>4.2</b> Example Wi-Fi networks (safe / unsafe).</p>	<p><b>4.1</b> Example websites (safe / unsafe).</p> <p><b>4.2</b> Example Wi-Fi networks (safe / unsafe).</p>	Ratio of right answers / tries in order to get all answers correct.
<b>Create</b>	<p><b>5.1</b> The student creates strong security passwords for their online accounts.</p> <p><b>5.2</b> The student creates a flyer for the importance of security online</p>	<p><b>5.1</b> I create unique, random passwords for my online accounts.</p> <p><b>5.2</b> I raise awareness on the issue of cyber security.</p>	<b>5.1 &amp; 5.2</b> Students bring the subject of cyber security in their classroom, create an informative flyer and develop strategies to sensitize for them.	<b>5.1 &amp; 5.2</b> Templates and instructions to create an awareness-campaign in their schools.	<b>5.1 &amp; 5.2</b> Templates and instructions to create an awareness-campaign in their schools.	Assessment by evaluating the results of the in-school activities.