

## Introduction

As our world becomes increasingly connected and technology continues to shape many aspects of our lives, it is essential that students are equipped with the skills necessary to navigate this digital landscape. The updated ICT curriculum for grades P-8 addresses these needs by integrating core digital competencies, with a focus on preparing students to be innovative thinkers, critical problem solvers, and responsible digital citizens. This curriculum not only supports the development of foundational technological skills but also emphasizes the importance of understanding safety, privacy, and the ethical use of digital tools.

To achieve these goals, ICT and Coding P-8 prioritizes teaching students about the importance of digital safety and privacy. In an era where data is constantly shared and exchanged, understanding how to protect personal information is crucial. Students will learn strategies to stay safe online, respect the privacy of others, and understand the ethical implications of technology use, ensuring they become responsible digital citizens.

ICT and Coding P-8 is designed to integrate with other subject areas, including (but not limited to) mathematics, literacy, science, physical education, and health, fostering a cross-curricular approach. By embedding technology and digital skills into various disciplines, students can see the real-world applications of ICT in diverse contexts. For example, coding and computational thinking enhance problem-solving in math, while digital storytelling and multimedia tools support literacy development. In science, students can use technology for research, data analysis, and simulation, encouraging deeper exploration of scientific concepts. In physical education, technology can be used to track physical activity, analyze performance data, and explore the connection between fitness and digital tools, helping students understand the role of technology in promoting a healthy lifestyle. Health education also benefits from ICT, with a focus on promoting digital well-being and teaching students to critically evaluate online information. This approach ensures that students not only develop technical skills but also understand how to apply them meaningfully.

Inclusion of coding across multiple grade levels offers students the opportunity to develop computational thinking skills. Through hands-on coding exercises and projects, students will learn how to break down complex problems, create algorithms, and collaborate on coding projects. These skills promote logical thinking and creativity in various contexts. ICT and Coding P-8 aims to empower students to be proactive and innovative participants in the digital world.

The introduction of the "Innovative Designer" and "Critical Thinker" components encourages students to approach problem-solving with creativity, resilience, and adaptability, fostering a mindset of innovation. Students will engage in activities that challenge them to design solutions using technology, build prototypes, and iterate on their designs. By promoting critical thinking and problem-solving, students will be better prepared to tackle real-world challenges.

## Outcomes:

[ICT and Coding P-3 \(français\)](#)

[ICT and Coding 4-6 \(français\)](#)

[ICT and Coding 7-8 \(français\)](#)