

CyberTitan (CyberPatriot)

2022 / 2023

Cyber Defense Competition Pilot Program (July 2022 to March 2023)

Sponsored by Enchant Your Senses'
[Fusion Youth Centre](#)

#PayingItForward, #CyberTitan, #CyberResilience



Cyber Defense Competition

[CyberTitan](#) is one of Canada's largest cyber defense competition and is affiliated with the US Air Force Association's [CyberPatriot](#) Program. Youths compete with more than 5,200 teams in a global competition! ¹

It prepares middle and secondary school students with critical skills for a digital-based economy, such as problem-solving, creativity, analytical thinking, communications and collaboration. During the competition, students identify and fix cybersecurity vulnerabilities in virtual systems while keeping critical services running. Teams (2-6 students) are scored on how secure they make the systems.

It is **designed for any student**, regardless of prior cybersecurity knowledge.

¹ Last year's number of participating teams.



Cyber Agents' Journey

A brave and curious team of middle and high students have completed their virtual and in person training (12 hours over 4 weeks). I had the wonderful opportunity to teach them information security best practices. Plus, how to secure a Windows and Linux computer from an unwanted bad actor (a.k.a hacker) who would want to access, modify or cause an outage.



"This pilot program was a fun and valuable way to advance my general knowledge of computers and learn the security needed to stay safe online."

Arya



"This training was a place to gain valuable knowledge when securing a device. The fundamentals taught tested my ability to solve problems and to protect my personal information from the bad actors!"

Mercedes



"This pilot program was a fun and efficient way to learn how to secure my computer. It dove much deeper into the different functions of my operating system and taught me how much I did not know."

Xavier

"This training was a fun and safe place to learn how to secure computers from a hacker. We used this new knowledge to successfully complete the demo simulation."

Calvin

Curriculum

They learned the following vital skills to use and share with family members and friends to protect their sensitive information and their computers:

1. Introduction to CyberPatriot and Cybersecurity
2. Introduction to Online Safety
3. Cyber Ethics
4. Principles of Cybersecurity
5. Computer Basics and Virtualization
6. Microsoft Windows Basic
7. Microsoft Windows Security Tools
8. Microsoft Windows Security Configuration
9. Introduction to Linux and Ubuntu
10. Ubuntu Security



During the last training session, this team of cyber agents rolled up their sleeves, hunted for 13 vulnerabilities and answered a forensic question on a Windows computer in the demonstration simulation. As they secure this computer, they earned points.

They received a Certificate of Completion by scoring 100 points.

Congratulations!

When you have a moment, **please send a special shout out** to this incredible team of cyber agents.



What is next? They will further enhance their cyber defense skills with practice rounds. In October, they will compete for awards and scholarships.

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