

Computer Science Mini for Sept 2027

Killarney Secondary

LAND ACKNOWLEDGEMENT

With deep gratitude and respect, we are honoured to be learning and unlearning on the ancestral and unceded lands of the xʷməθkʷəy̓əm (Musqueam), Sḵwx̱wú7mesh Úxwumixw (Squamish Nation) & səlilwətaɬ (Tsleil-Waututh Nation).

xʷməθkʷəy̓əm
(Musqueam)

Sḵwx̱wú7mesh Úxwumixw
(Squamish Nation)

səlilwətaɬ
(Tsleil-Waututh Nation)

Benefits CS Mini

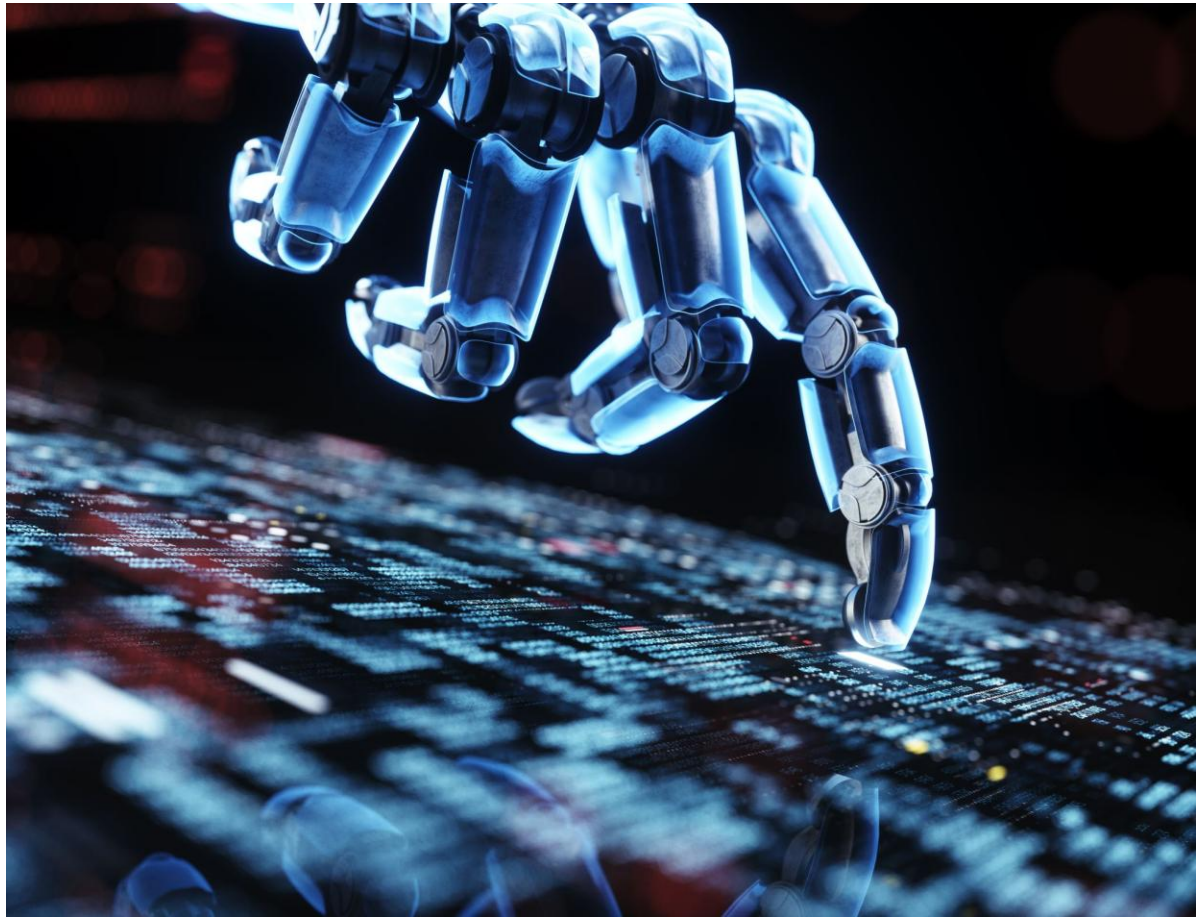
- Head start
- Opportunities
- Strong foundation in IT
- Flexibility
- Open
- District IT program
- Post-secondary
- Employable skills

Benefits Killarney

- A Top IT program
- Big variety of clubs and teams
  - Programming
  - Cyber Security
  - Robotics
  - League of Legends
  - Girls 4 Tech
- Community oriented
- IT & Math competitions

Competitions

- BC Skills Competition
- Canadian Computing Competition
- Cyber defense Challenge
- CyLab Security Academy formerly PicoCTF
- FIRST Technical Challenge
- Comptia A+ Certification
- Other IT competitions



Type of Student

- Curious
- Welcomes challenges
- Does not give up
- Willing to try
- Maintains strong standing in courses
- Team/Group oriented
- Independent
- Respectful

5 Concentrations





Web



Machine Learning

Computer Science

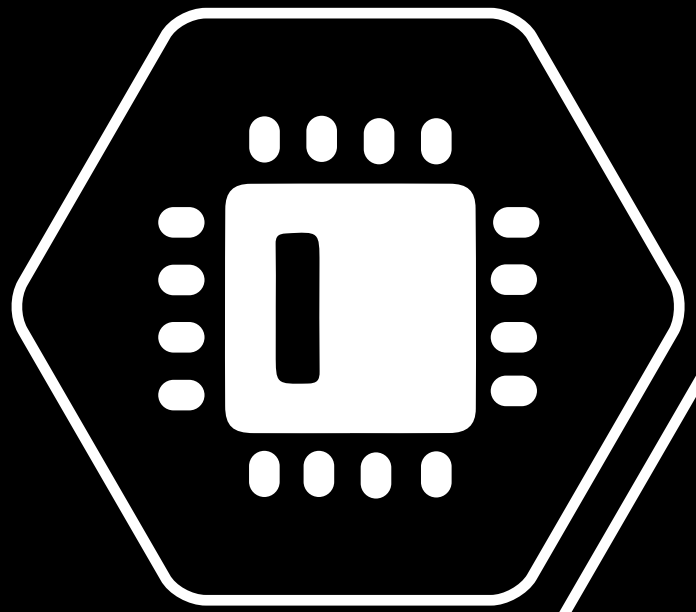
AI

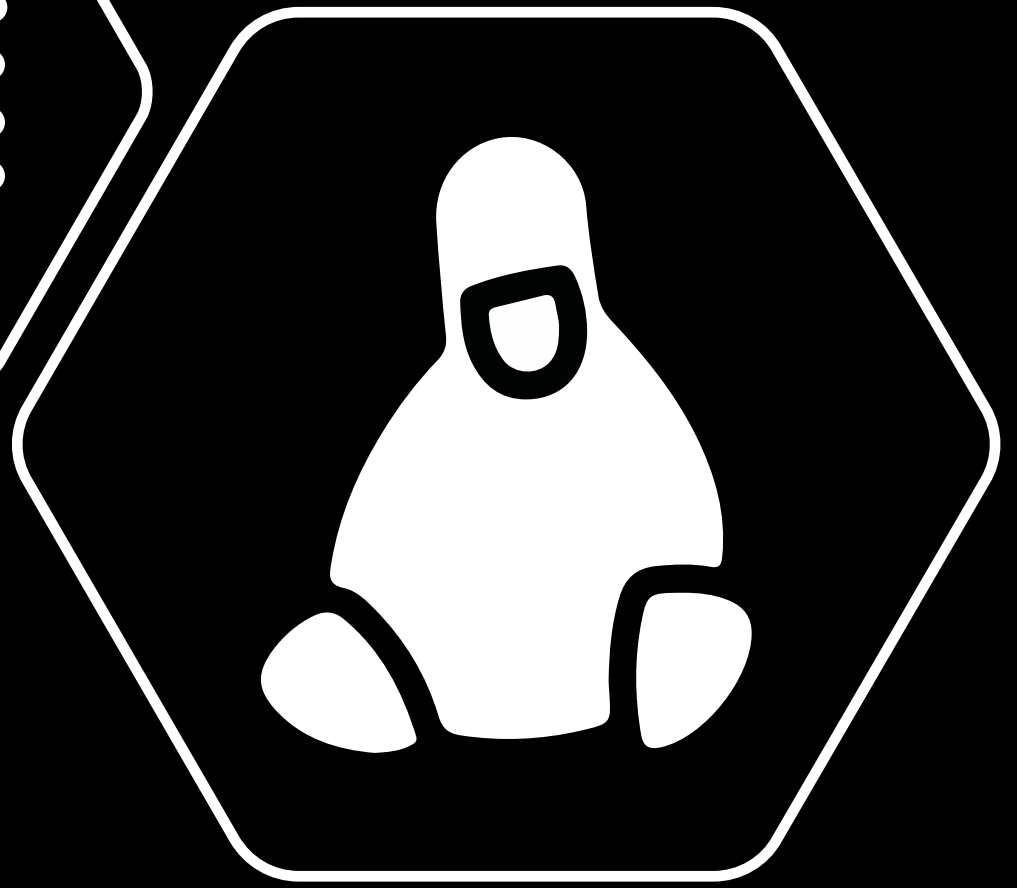


Database

Systems Administrator

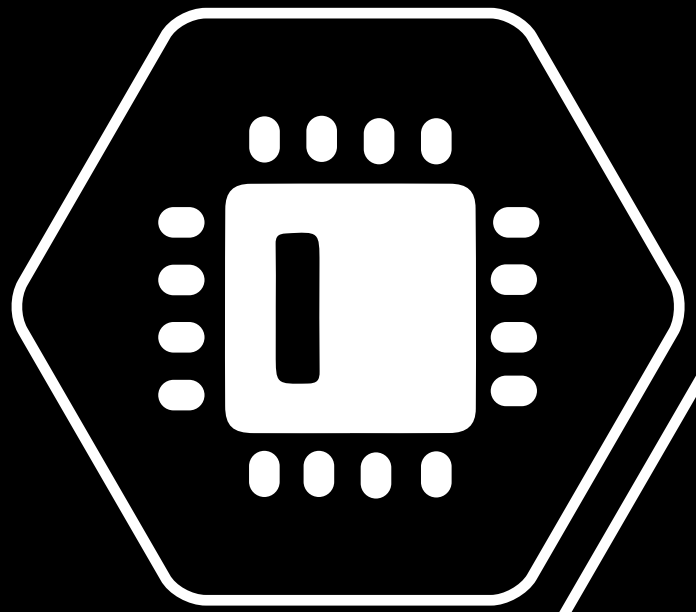
- COMPTIA A+
- Linux

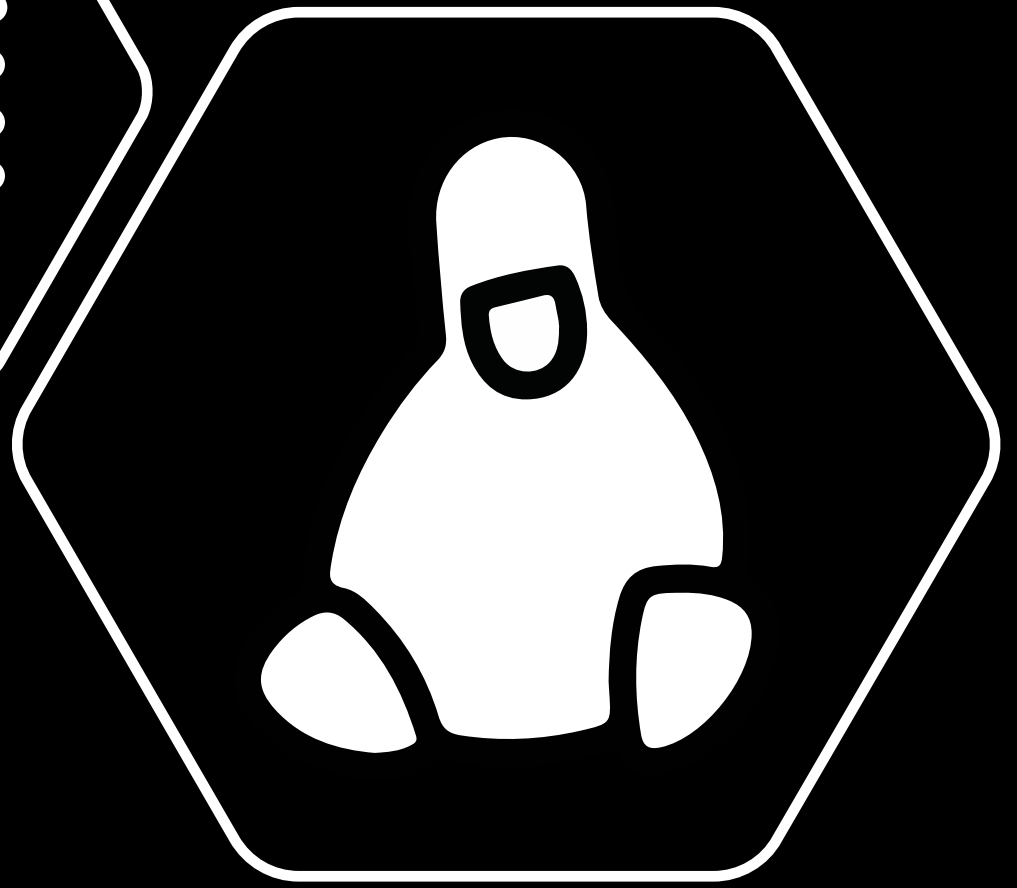


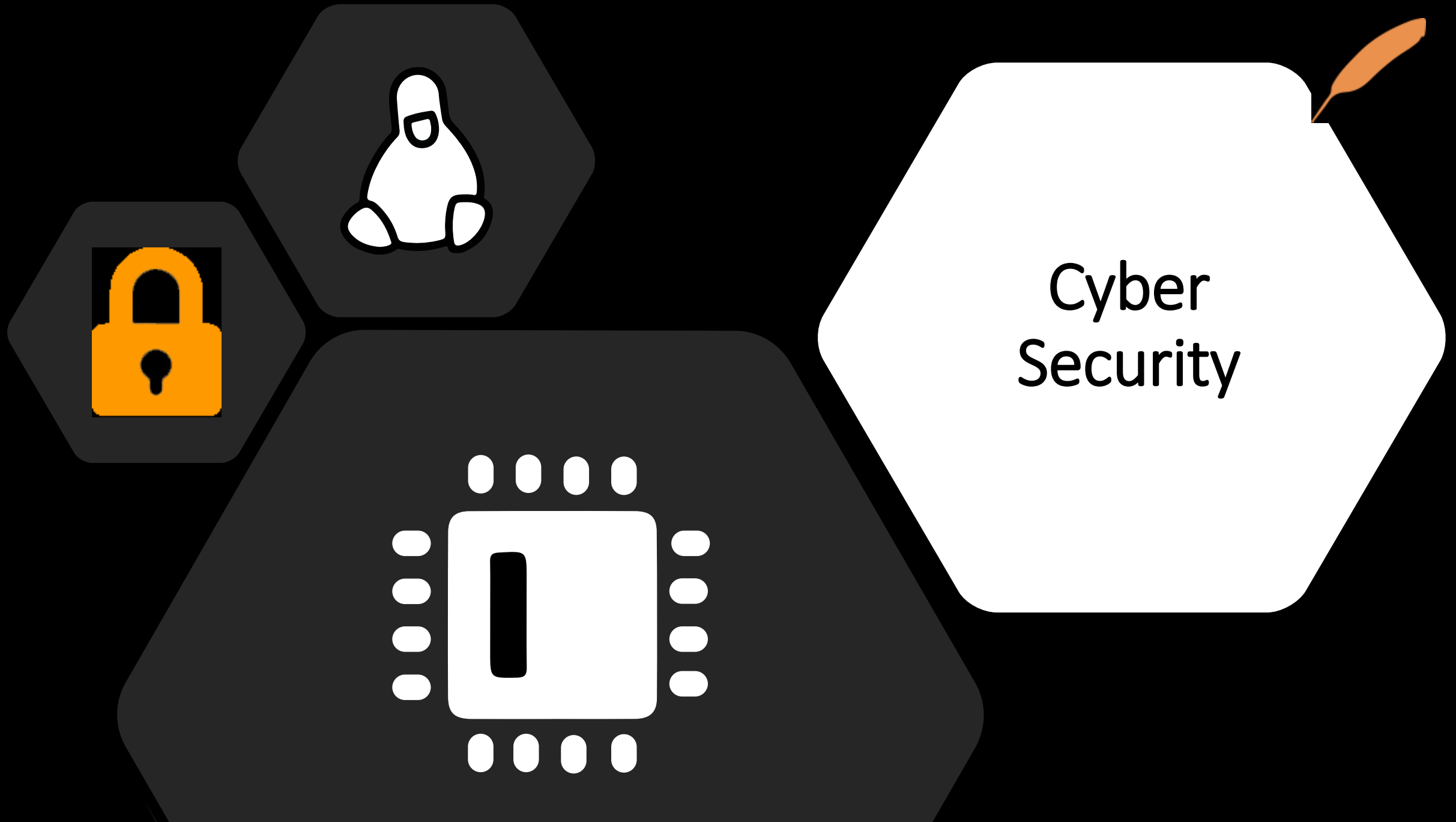


Network Administrator

- Cisco
- CCNA
- Linux
- COMPTIA A+

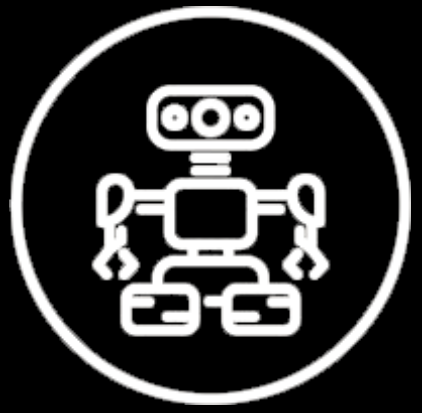


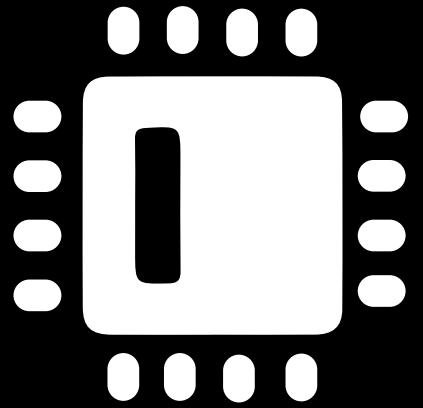



Cyber
Security

Robotics







First Robotics

Grade View

- Grade 8 -10
Math and Science
curriculum covered in 2 years
cohort

Grade 8	Grade 9
Mini Math 8	Mini Math 9
Mini Science 8	Mini Science 9
Computer Studies 10	Programming 11
English 8	English 9
Socials Studies 8	Social Studies 9
French 8	French 9
PE 8	PE 9
Applied skills 8 Fine Arts Elective	Any Elective

Science Curriculum Unit Distribution

Grade 8	Grade 9
Science Process Skills **Biology** Cells and Pathogens Reproduction Genetics Ecology **Physical Science** **Plate Tectonics**	**Science Process Skills** **Chemistry** Atoms and the Periodic Table. Chemical compounds Characteristics of reactions **Physical Science** Electricity Energy

JR LEVEL CONTESTS

- BEAVER COMPUTING CHALLENGE
- GAUSS MATH CONTEST
- PASCAL MATH CONTEST

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Mini Math 8	Mini Math 9	Pre-Calculus 11	Pre-Calculus 12	Calculus 12
Mini Science 8	Mini Science 9	At least one of: Biology 11 Chemistry 11 Physics 11	Any Elective	Mini Elective
Computer Studies 10	Programming 11	Computer Science 11	Linux 12	Mini Elective
English 8	English 9	English 10	English 11	English 12
Socials Studies 8	Social Studies 9	Social Studies 10	Social Studies 11/12	Any Elective
French 8	French 9	French 10 Beginning Japanese 11 Beginning Spanish 11	French 11 Japanese 11 Spanish 11	Any Elective
PE 8	PE 9	PE 10	Any Elective	Any Elective
Applied skills 8 Fine Arts Elective	Any Elective	Any Elective	Any Elective	Any Elective



Courses

Grade	Computer Science	System Admin.	Network Admin.	Cyber Security	Robotics
8	Computer Studies 10	Computer Studies 10	Computer Studies 10	Computer Studies 10	Computer Studies 10
9	Programming 11	Programming 11	Programming 11	Programming 11	Programming 11
10 – 11 Exploration Years	Computer Science 11	Computer Science 11	Computer Science 11	Computer Science 11	Computer Science 11
	Linux	Linux	Linux	Linux	Linux
	Computer Science 12	Networking 11	Hardware 12	Hardware 10	Hardware 10
12 Specialization	Programming 12	Hardware 12	Networking 12	Networking 11	Robotics 11
Clubs:	Programming	Programming Robotics	Programming Robotics	Cyber Security	Robotics













STUDENT PANEL

Killarney Mini School Students

How to apply

APPLICATIONS WILL BE ACCEPTED FROM NOV. 18TH – JAN 7TH, 2027.

Go to **Killarney Secondary School website** > Click on TEACHING AND LEARNING top tab > Click Programs > Mini School.

Complete the KILLARNEY CS APPLICATION FORM and PRINT. Submit complete hard copy package to the Killarney Main Office at 6454 Killarney St. by **3:30pm, JAN. 7TH, 2027**.

A complete package includes:

- KILLARNEY CS APPLICATION FORM.
- MOST RECENT REPORT CARD
- STUDENT PHOTO
- NOTE: INCOMPLETE APPLICATION PACKAGES WILL NOT BE CONSIDERED. YOU WILL NOT BE NOTIFIED IF YOUR APPLICATION PACKAGE IS INCOMPLETE.

Register your application on the **VSB Mini Schools Registry**.

How to apply - continued

The Killarney **Computer Science Mini School Assessment on Jan. 8, 2027**, 1pm-2pm, in the Killarney cafeteria. **SIGN UP DEADLINE IS Jan 7th, 2027, MIDNIGHT. LATE SIGN UPS WILL NOT BE ALLOWED.** Students are expected to attend this assessment as part of the application process. Parents are asked to drop off and pick up students. To RSVP and confirm student attendance:

1. Go to **https://forms.cloud.microsoft/r/UUwMLDzav0** Topics on the assessment: Order of Operations, Integers, Fraction/Percent/Decimal/Ratio conversions, Algebra, GCF/LCM, Logic/Reasoning. NO CALCULATORS ALLOWED FOR ASSESSMENT.



Killarney Computer Science Mini School - Questions After Nov 17, 2026 Session

Thank you and good night!