Computer Science Mini Sept 2025

Killarney Secondary

Benefits CS Mini

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

Benefits Killarney

- Big variety of clubs and teams
  - Programming
  - Cyber Security
  - Robotics
- Community oriented
- IT & Math competitions
- Some cohort classes, some open classes for choice

Competitions

- BC Skills
- Canadian Computing Competition
- Cyber defense Challenge
- PicoCTF
- FIRST Technical Challenge
- 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

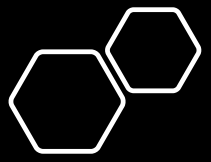
Web

Machine Learning

Computer Science

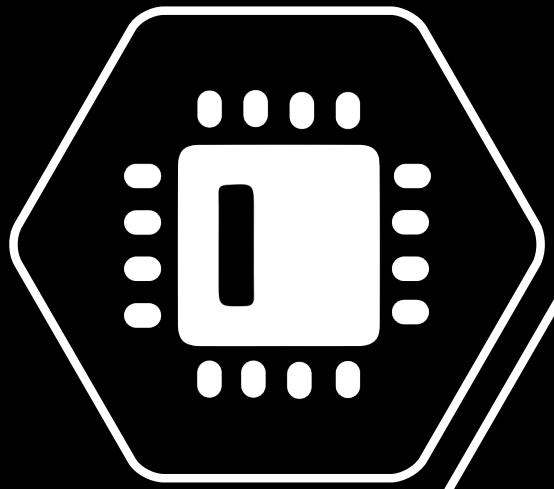
AI

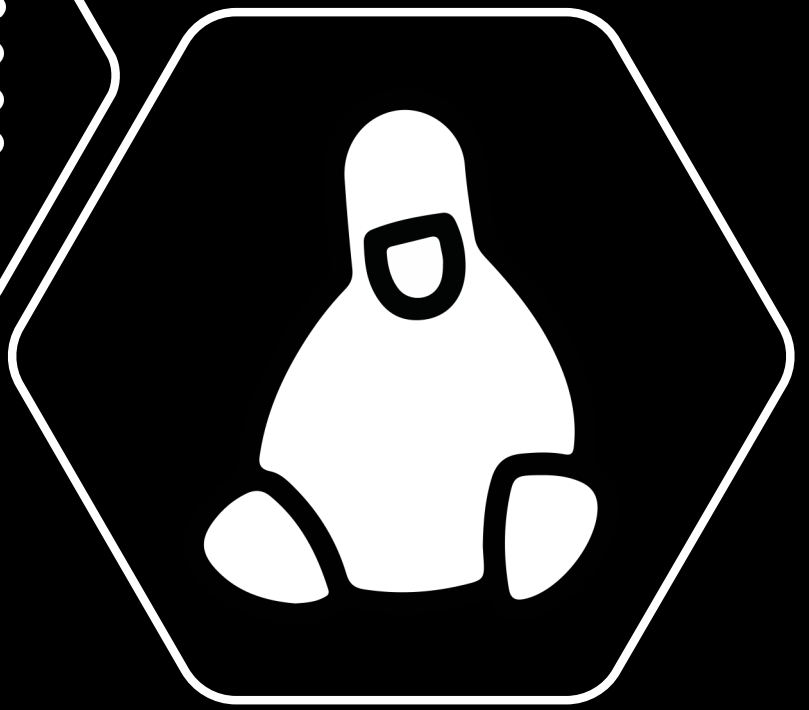
Database

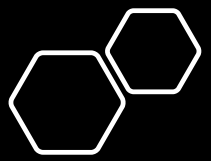


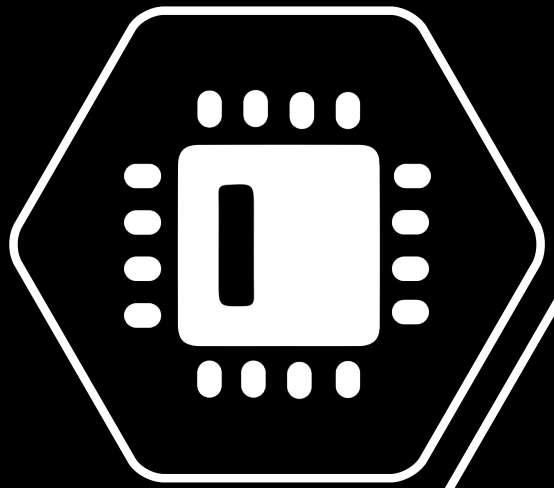
Systems Administrator

- A+
- Linux (LPI)







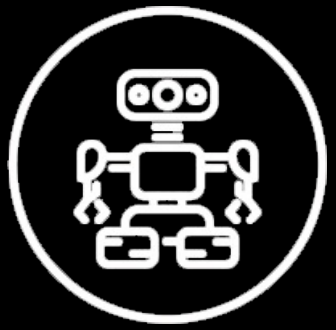


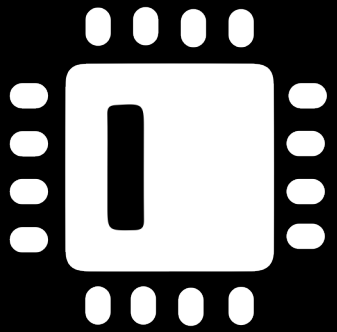
Network Administrator

- Cisco
- CCNA
- Linux
- A+

Cyber
Security

Robotics





FIRST Robotics
or
Vex Robotics

Grade View

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

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

Science Curriculum Unit Distribution

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

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 Foundations 11 Workplace 11	Pre-Calculus 12 Foundations 12 Apprenticeship 12 Any elective	Calculus 12 Any elective
Mini Science 8	Mini Science 9	At least one of: Biology 11 Chemistry 11 Physics 11	Mini Elective	Mini Elective
Computer Studies 10	Programming 11	Computer Science 11	Linux	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
Beaver, Gauss	Beaver, Pascal	Cayley	LPI	

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
	Networking 11	Hardware 10	Networking 11	Hardware 10 or 12	Hardware 10
	Computer Science 12	Networking 11	Hardware 12	Networking 11	Engineering
12 Specialization	Programming 12	Hardware 12	Networking 12	Networking 12	Robotics
Clubs:	Programming	Programming Robotics	Programming Cyber Security	Cyber Security	Robotics

Computer Science Mini School - Fees

- Grade 8 and 9 Years - $25 per student per year
- Grade 10
  - $25 per student
  - $30USD (Linux Course – paid directly to online vendor)
  - $20 (VM – paid directly to online vendor)
  - This would potentially be $80-85 for the year.
- Grade 8-10: $25 Fee for contests (Math: Gauss, Pascal, Cayley), Beaver Computing Challenge, two Mini Mixer Events (food)
- Grade 11-12
  - Dependent on contests and specialization

Periodic Table of the Elements

How to apply

- School website: Teaching and Learning
- Programs
- Mini School

- **Parent and Student Information Night: THURSDAY, NOV. 12TH, 6PM - Killarney Auditorium. APPLICATIONS WILL BE ACCEPTED FROM NOV. 13TH - DEC. 6TH, 2024.**
- How to apply to the Killarney Computer Science Mini School:
- Download the KILLARNEY CS APPLICATION FORM. The application form is a fillable PDF file. A paper copy is also available from our main office.
- Complete the KILLARNEY CS APPLICATION FORM and PRINT. Attach MOST RECENT REPORT CARD AND PHOTO. Incomplete packages will not be considered nor will you be contacted should the package be incomplete or if data is entered incorrectly.
- Submit complete hard copy package to the Killarney Main Office at 6454 Killarney St. by 3:30pm, Dec. 6TH, 2024. 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.

HOW TO APPLY CONT'D

The Killarney Computer Science Mini School Assessment on Dec. 6, 2024, 1pm-2pm, in the Killarney cafeteria. **SIGN UP DEADLINE IS DEC. 3RD, 2024, MIDNIGHT. LATE SIGN UPS WILL NOT BE ALLOWED. THIS WILL BE THE ONLY WRITING TIME.** 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://survey.vsb.bc.ca/
2. Enter SURVEY ID: CSMINI2025 (All capitals)
3. Topics on the assessment: Order of Operations, Integers, Fraction/Percent/Decimal/Ratio conversions, Algebra, GCF/LCM, Logic/Reasoning. NO CALCULATORS ALLOWED FOR ASSESSMENT.
4. Register on the VSB MINI SCHOOL REGISTRY: https://www.vsb.bc.ca/page/5292/mini-school

Killarney Computer Science Mini School - Questions After November 12, 2024 Info Session

QUESTIONS?