



BCIT's GEARBOTS Coding Challenge

at the Skills Canada BC Provincial competition - TradeX, Abbotsford BC - April 17th, 2024

Mission statement:

To provide an authentic opportunity for students to work together in engineering teams to creatively solve problems using various autonomous lightweight robotic devices (robots ARE NOT radio controlled).

Target audience:

Ages 9-15 (grade 9) throughout the province

Event duration:

Total of 4 hours working on the various themed missions
- does not include a one hour lunch break

Team size:

1. Each team will consist of up to three (3) people
 - All team members **MUST** be from the same school
 - Co-educational teams are encouraged
2. Limited to 24 teams registered through Skills Canada BC
 - Final number of teams will depend on the demand for the event

Teams must supply:

- consisting of up to 3 students per team
- Teams are responsible for bringing their own robotic equipment & laptop computer. Recommended / possible equipment includes:
 - One laptop computer (this will be strictly enforced), tape measure(s), extra batteries, (NO extra / 3rd party sensors/attachments allowed)
 - One of the following kits: NXT, EV3, SPIKE PRIME - Mindstorms kit, FisherTechnik, VEX IQ, MakeBlock kit (or other appropriate platform)
 - It is recommended that teams pre-build a robotic device prior to attending (EV3 REMbot's dimensions are ideal for this type of challenge).
- All robotics devices must be fully autonomous (no radio/bluetooth controls)
- Contact info@gearbots.org directly if you have any questions about these options.



TO REGISTER VISIT
www.skillscanada.bc.ca/

For more information:

Visit www.gearbots.org



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