



BCIT's GEARBOTS Coding Challenge

at the Skills Canada BC Provincial competition - TradeX, Abbotsford BC - April 15th, 2020

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 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:

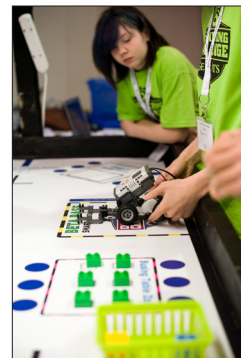
1. Each team will consist of up to three (3) people
 - All team members **MUST** be from the same school
 - Co-educational teams are encouraged
2. Limited to 24 teams registered through Skills Canada BC
 - Final number of teams will depend on the demand for the event

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 NXT OR EV3 Mindstorms kit OR one FisherTechnik Robo kit OR one VEX IQ kit OR one MakeBlock kit (or other appropriate platform)
- It is recommended that teams pre-build a robotic device prior to attending (NXT 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.



For more information:

Visit www.gearbots.org



QR CODE

TO REGISTER VISIT

www.skillscanada.bc.ca/



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