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CRC

Robotics

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Who are we?

- 5 coordinators
  - Alexandre Pilon - Planning
  - Charles Barette - Game and CrcDuino
  - Jeffrey Barbagallo - Technologies
  - Natasha Vitale - Public Relations and Administration
  - Sarah Zidle - Logistics
- 6 team leads
  - Ailish Troughton - Public Relations
  - Liliya Boyadjieva - Branding and Social Media
  - Louis-Simon Rocheleau - Programming
  - Mathieu Robitaille - Playing Field
  - Patrick Walling Laperrière - Playing Field
  - Xavier L'Heureux - CrcDuino
- 20+ volunteers

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History of CRC Robotics - 21 years already!!

- Program under the banner of the Educational Alliance for Science and Technology (EAST), a non-profit organization and registered charity
- Founding Partners:
  - Selwyn House School
  - Collège Laval
  - École de technologie supérieure (ÉTS)
  - Proceco
  - Centennial Academy
- A multidisciplinary competition for elementary, high school and CEGEP students!

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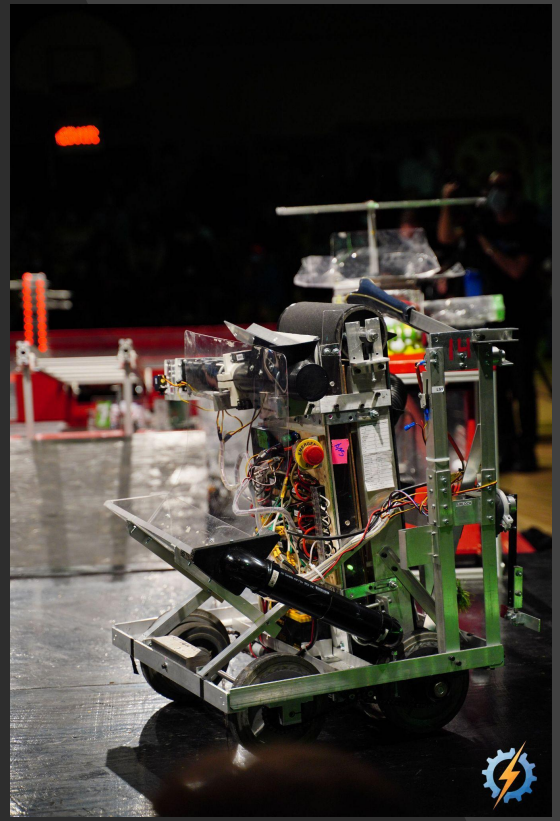
Our Mission

- Organize an activity that is student-centered in both its characteristics and execution.
- Create a project that will build on and develop knowledge of science, mathematics, computer science, art and language arts.
- Develop a practical application that would emphasize the connection between classroom concepts and the workplace.
- Apply the curriculum and its cross-curricular skills: information management, communication, critical thinking, problem solving, etc.
- Encourage girls to get involved in science and technology projects.



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Our Mission (cont'd)

- Provide a meaningful and engaging experience for boys to help prevent them from dropping out of school.
- Encourage a team dynamic that is conducive to the development of communication skills.
- Promote the achievement of a common goal by cultivating cooperative work.
- <u>Teach that the pursuit of excellence is more important than winning.</u>

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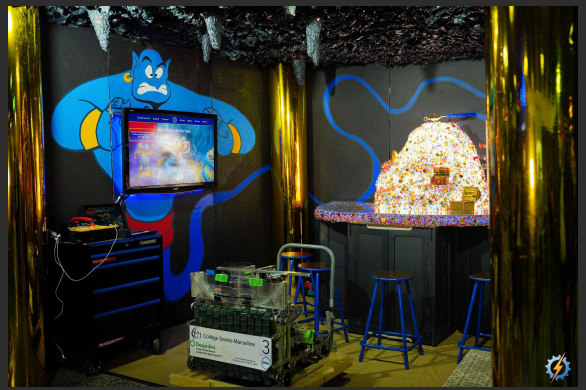
The Competition

- 5 components:
  - The Robot
  - The Kiosk
  - The Website
  - The Video
  - Programming

Keyword:
MULTIDISCIPLINARY



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Roles

- Students
- Teachers
- Mentors / Experts

We can help you as much as possible to find mentors.

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Support Network

- Teacher training
- Webinar workshops for students (YouTube)
- Wiki
- Discord
- In-person help (when possible)
- Virtual meeting with a coordinator or team lead

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Pedagogical Impacts

- Leadership development
- Learning how to use practical tools
- Application of the scientific approach
- Development of a work ethic
- Reducing the school drop-out rate
- Students socialize with others from a different “world”

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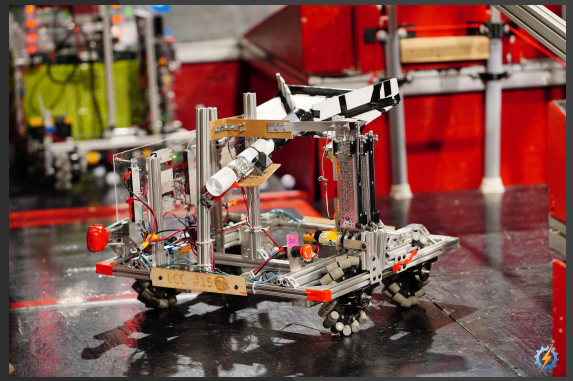
The Costs



- Registration Fee: $1,400
  - Additional Team: $250 per team
- Base Kit: $1,200 (mandatory for the first year)
  - Customized Kit (as of the second year of participation): Range of prices depending on the items purchased
- **Note:** Depending on their robot design and material availability at home or school, teams will have to purchase, on their own terms, between $100 and $1,000 worth of material to build their robot.

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How to Join the CRC Family

- It’s simple: participate! Fill out the registration form and take your place among us!

Registration closes on October 7, 2022

Late registration may be permitted.

Avia 2023!

Kickoff: November 7, 2022

Competition: February 16-18, 2023

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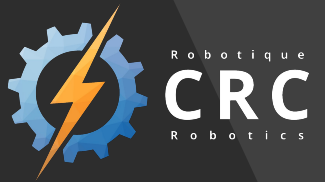
Thank You!