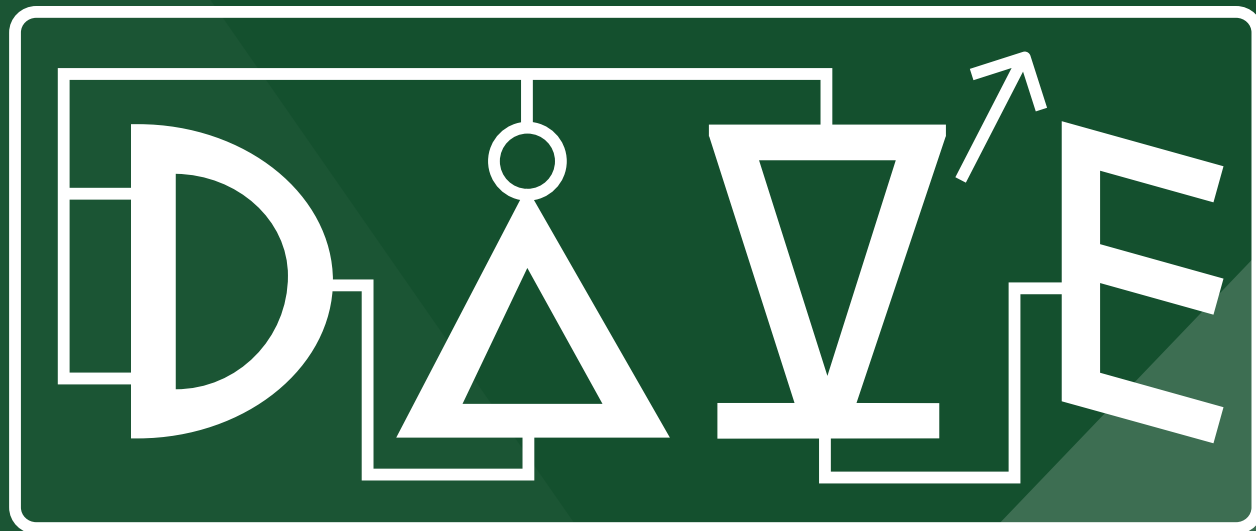


St. David Robotics Team 3683 - Team DAVE



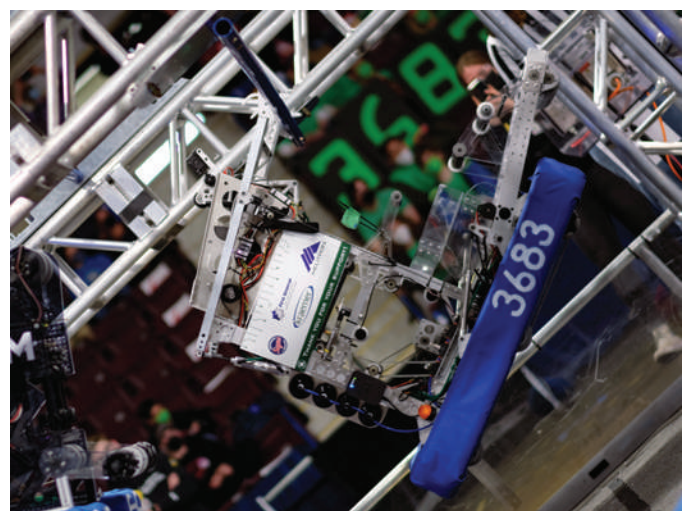
Information Package
2022-2023

Who Are We?

Team DAVE is a high school robotics team based out of St. David CSS in Waterloo, Ontario. Founded in 2011, Team DAVE is set to participate in our thirteenth season of competition. We consistently compete with a high degree of success, competing at an international level over the past eight years. One of our proudest achievements is winning the Humber College District event for the second year in a row at the same time as the Chairman's Award in 2020. Team DAVE allows us to gain hands on experience in the Science, Technology, Engineering, Arts, and Mathematics (STEAM) fields.



Each January, we are given a strict timeline to design, build, and program a 120-lb multifunctional robot. Following our build season, we compete with and against other teams throughout Ontario and the world. In addition to building the robot, we create professional presentation packages, award submissions and social media campaigns; including essays and accompanying videos, managing our team as a small business. Corporate sponsorship plays a huge role in this -- your support plants the seeds for the next generation of innovation!



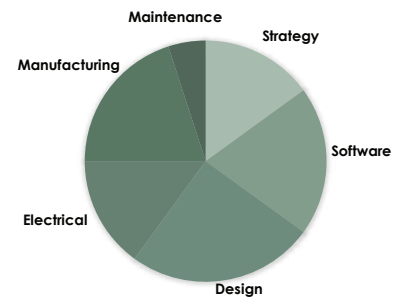
The mentors, teachers, and students invest a substantial amount of time into the FIRST® (For Inspiration and Recognition of Science and Technology) Program. Through this program, students learn valuable skills from alumni and industry professionals. This mentoring relationship extends past the school year, starting with the design and build season, continuing through our competitions and development workshops conducted during the off-season. We work together, learn together, and compete together as a family.



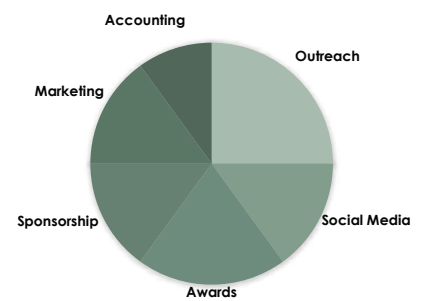
Educational Aspect

- ⬡ All team members have the opportunity to participate in a wide variety of skill disciplines; including design, engineering, programming, video editing, technical writing, presenting, and business management.
- ⬡ Students have an opportunity to expand their leadership, teamwork, and creativity skillsets, through the team experience. They are encouraged to think freely and offer up ideas or solutions to everyday problems encountered by the team.
- ⬡ Students are progressively given more responsibility on the team, including overseeing projects and leading groups as they gain more experience.
- ⬡ Our alumni have gone on to post-secondary education and have secured successful co-op placements at companies such as ATS Automation, Tesla, and Voltera.
- ⬡ Students are mentored by dedicated University of Waterloo, Wilfrid Laurier University, and Conestoga College students, and experienced industry professionals from companies like ApplyBoard, RideCo, and more.

Subteam Breakdown



Build Subteam



Business Subteam



Improved problem
solving skills

98%



Increased time
management skills

95%



Increased conflict
resolution skills

93%



Strengthened
communication skills

OVER 76%

Source: Brandeis University, 2011 FIRST Tech Challenge - FIRST Robotics Competition Evaluation and 2013 FIRST Lego League Evaluation

In The Community

Team DAVE firmly believes in community engagement through a variety of STEAM events and activities that take place in our community and beyond. Our participation and establishment of these events solidifies our presence in the Waterloo-Wellington Region. Furthermore, it attracts potential future members, and shows our community how awesome STEAM can be!

Local Events:

Kitchener-Waterloo Oktoberfest

- Static display on the Wilkommen Platz during the Thanksgiving Weekend
- Featured on the DTK Wunderbar stage

Semi-Annual Lego Robotics Camp

- Team members act as counsellors, helping campers work with Lego blocks, WeDo or NXT kits, as well as perform science experiments and teaching them about our robot

Curiosity Fair

- Displayed the robot during a family event hosted at the Schlegel-UW Research Institute for the Aging over multiple years

Featured exhibit at the Communitech Tech Leadership Conference in 2016 and 2017:

- Interacted with industry leaders, including Netflix's Chief Talent Officer

Partnerships with:

Local teams which includes:

- Attending outreach events together
- Holding workshops and seminars
- Helping each other out at events

FIRST® Lego League (FLL):

- Mentor local FLL teams
- Host local FLL Qualifier at St. David CSS
- Introduce elementary school students to robotics, design, and programming through the use of Lego NXT and EV3 kits



Sponsor Benefits



As a well-connected community organization, Team DAVE has been featured on local and regional media outlets. Some of our past appearances include:

- ⬢ Interview with Mike Farwell on 570 News
- ⬢ Interview on CBC Radio and 107.5 DAVE FM
- ⬢ Feature article in the Waterloo Chronicle
- ⬢ Feature article in the Waterloo Region Record

Team DAVE also has a large social media following, with over 3200 followers combined on Instagram, Facebook, and Twitter.

Sponsoring the team can benefit you and your company in the following ways:

- ⬢ Major exposure to hundreds of potential customers
- ⬢ Opportunity to interact with future potential employees and plant seeds for the future
- ⬢ Provide inspiration to company engineers and employees
- ⬢ Provide enriching employee volunteer opportunities as advisors on the team
- ⬢ Connect with young future leaders and help further their education
- ⬢ Help build a technologically-literate workforce

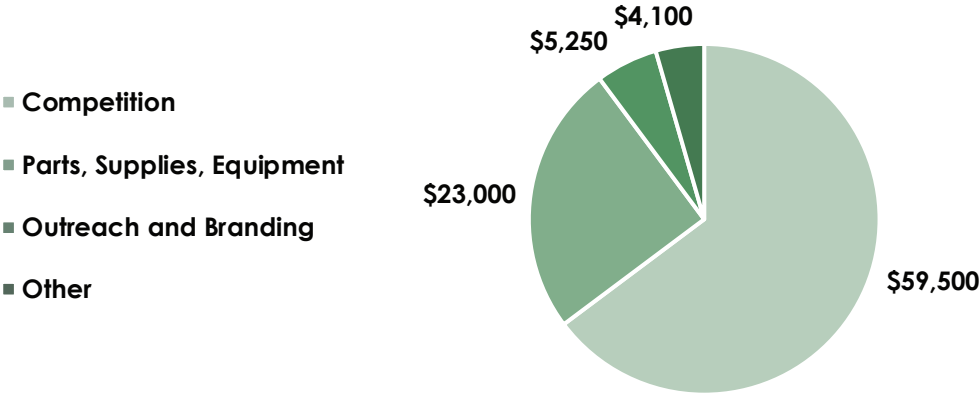
"We do value the association we have with Team DAVE and I personally attain a sense of pride when I interview young engineers from around the province who have competed against Team DAVE during high school and recall it enviously. More than once after explaining that we fabricate metalwork for Team Dave, I have received a comment to the effect of "no wonder their robots are so professional". I am only happy to accept the credit for our small part."

- Sean Spencer, P. Eng
Vice President, Operations, Melitron

We Need Your Help!

We have provided a breakdown of our 2023 season budget. This covers everything from parts for the robot to travel costs, and costs for branding and outreach events.

2023 Budget Breakdown



The Cost of a Team

\$8,000	Registration/competition fees for 2 competitions (1 local, 1 distance)
\$14,000	Robot parts and materials (metal, plastic, motors, electronics, etc.)
\$4,000	Equipment (trailer, bench, tools, etc.)
\$5,000	Incidental parts & supplies (practice field, robot cart, meeting expenses, etc.)
\$4,500	District Event travel costs
\$2,500	Team apparel and other gear
\$2,750	Marketing and community outreach
\$1,500	Research and development
\$2,600	Recurring seed funding

Upon District Championship Qualification (Hamilton, Ontario)

\$3,500	Registration/competition fees
\$6,000	Travel costs

Upon World Championship Qualification (Houston, Texas, USA)

\$7,500	Registration/competition fees
\$30,000	Travel costs

Charitable Reciept can be provided upon request.

E-mail or call us!

We invite you to contact us to answer any questions you may have!

Team Contact Information

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