PROJECT ASTRAEUS

Sponsorship Package

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projectastraeus.org

Let's make a difference **together.**

We are accelerating tomorrow's innovators with an opportunity to grow their engineering skills today.

Work with us in empowering young engineers to **improve their communities, mitigating one world issue at a time.**

Project Astraeus is grateful for our **incubator – GreenHouse,** from the **University of Waterloo,** and **SWR** for funding our **reinvention of innovation.**

GreenHouse purpose • action • impact

UNIVERSITY OF WATERLOO

SWR smart waterloo region

Get to know us

Project Astraeus is a new organization based in the Waterloo Region, focused on **fostering an interest in engineering and entrepreneurship**, in youth who do not have an outlet to explore their capabilities in innovation.

Through project development, we want to give students a chance to **positively impact their communities while learning necessary industrial skills.**

As high school students ourselves, we understand the desire to develop and apply our skills in the engineering industry, however we struggle to find opportunities to do so.

By providing youth with a launchpad to realize their capabilities and goals, **we can solve real issues** that are taking place in communities around the world.

Discovery

Ingenuity

Prosperity

Belonging

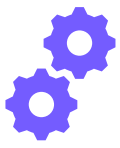
Our vision

Project Astraeus is **determined** to build a network for youth to become the next generation's leaders in innovation, while giving them the opportunity to learn through team projects aimed at fixing local issues.

The satellites of tomorrow are taking flight today.

A community chapter system will **actively seek local issues**, employing research and business planning skills.

These hubs will get seed funding, mentorship, and physical resources, **to spark student-led change.**



We will inspire the changemakers of tomorrow through **insightful workshops, keynote lectures, and creative kit projects.**

An annual showcase conference will be held, where chapters can demonstrate their projects and connect with important innovators in the industry.

Our structure

Chapters:

A network of student-led hubs **to research and implement solutions** to global and local issues, relating to accessibility, mental and physical health, environmental issues, or any prevalent issues that students discover

In order to help reach these goals, chapters will receive:

- Launch Kits packed with $750 worth of state-of-the-art components
- A development curriculum
- Access to a network of industry mentors to provide direction
  - Examples include guiding students in CAD design, computer vision, tooling, or web app development

For the Students

Our students will have the unique opportunity to develop:

- **Business and Entrepreneurship Skills**: Discover and research issues, consider stakeholders, and pitch ideas to bring them to life
- **Engineering Design Skills**: Design effective solutions to solve identified problems, utilizing mechanical, electrical, and other fields of engineering depending on the project
- **Computer Programming Skills**: Learn and apply the software required to bring their solutions to life as needed by their project
- **Teamwork and Collaboration Skills**: Work alongside other like-minded students in their chapter environments to **problem-solve and innovate**

For the Community

By combatting prominent issues in the community, we will:

- **Bring awareness to overlooked problems**, providing a spotlight on the issue at hand
- **Developing a tangible, impactful solution**, with a focus of providing a positive impact to those who are affected by the problem

An example includes:

*Giving neurodivergent / muscularly deficient individuals the **opportunity to participate freely in sports** by engineering an automated objective completion system.*

- For example, an "Autobat" mechanism for baseball, **breaking barriers for children** to participate in a physical activity by eliminating a dependence on motor and mental capacity

Outreach opportunities

Keynote Events:

Holding conferences to foster inspiration in youth through industry professionals, post-secondary student guest speakers, and company-lead seminars so they can realize their potential in making an impact through innovation

- Those studying engineering and software
- Individuals recognized for community involvement
- Institutions and companies solving issues in the medical, environmental, and other groundbreaking industries
- An opportunity to build lifelong connections with motivated students and future venture partners

Workshops:

Providing opportunities to physically engage with design and development principles through intriguing lectures, stimulating challenges and self-directed kit projects

- Lego EV3 design + builds
- CAD workshops and mechanical design through 3D printing projects
- Machine learning workshops with pattern detection for cancer propagation and metastasis
- **Spark Kits – Arduino and Raspberry Pi build kits given to students to develop fun and informative mechatronic projects**
  - Examples include package delivery cars, heart rate abnormality detectors, pill dispensers, solar powered fans, and more.
- Structure building challenges with materialistic constraints (ex. bridges, planes)

A year with Project Astraeus

Planting the Seed — **July 2024**

- Opening the first chapter
- Building Spark Kits

The Dawn — **Sept 2024**

- Workshops at community centres in the GTA
- Spark Kit seminars at schools
- **4 chapters across the Waterloo-Wellington County**

Building Connections — **Nov 2024**

- National Kickoff conference to **bridge the gap** between students and industries
- Starting the research + development of **community projects**

Making a network — **Feb 2025**

- Uniting Canada through **12 interprovincial chapters**
- Completed 15 community workshops inspiring youth

Worldwide impact — **Apr 2025**

- **Establishing chapters in the USA to make a global impact**
- Project showcase + networking conference
- Collaborating with local charities to solve specific issues

Why sponsor us?

As an organization created by high school students, there is only so much that we can do to support future changemakers.

To provide planned opportunities, we need support from organizations like you. We are looking for donations, mentorship, speakers, components + devices, tooling, project inspirations (partnerships), and logistical contributions.

By helping us, you are helping catalyze necessary improvements to issues in communities everywhere.

The next page contains the benefits you would receive based on your contribution value!

What you can provide:

Mentors + Guest Speakers

- To inspire members and guide them to find success in STEM and engineering

Parts + Tooling

- Providing Arduinos, controllers, discrete components, materials, 3D printing solutions, and power tooling to support our workshops and aspiring project developers

Sponsorship + Donation

- Supporting through monetary contribution so we can host our events, purchase materials, and help in the community
- Providing devices and components for projects + workshops would help us allow students to be more effective and capable in ideation.

Logistics

- Supporting through providing venue and/or for running our outreach events, meaning a larger community impact and advertising for you!

Sponsorship tiers

	Bronze $250 +	Silver $500 +	Gold $1000 +	Diamond $2500 +
Logo on Website + Publications	Small	Small	Medium	Large
Social Media + Conference Promo	✓	✓	✓	✓
Event/Workshop Speaking Time	Mention	Mention	10 mins	20 mins
Merch Logos		Small	Medium + your merch	Front + your merch
Project /Chapter Mentorship	Max 1 rep	Max 4 reps	Max 4 reps	Unlimited
Student Resume + Contact Access			✓	✓
Product Usage in Projects	✓	✓	✓	✓
Manage a Chapter				✓

Ready to make an impact?

Connect with us to build a network of youth visionaries.

Shoot us an email at:
outreach@projectastraeus.org

Find us on Instagram at:
@projectastraeus

(See **footer** for general contact + website)

Here's to building a safer, more accessible future.