





# About Us

### **Our Identity**

We are the Western Engineering Rocketry Team (WE Rocketry), a student group at Western University in London, Ontario. Since our founding in 2017, we have grown from building cardboard rocket to crafting advanced carbon-fiber and fiberglass rockets.

#### Our Network

Through bi-annual design reviews with mentors, faculty, and team members, as well as participation in global competitions with over 150 teams from 50+ countries, we foster innovation, networking, and sustainability.

#### Our Mission

We aim to design, build, and test high-powered rockets for leading competitions, including the Spaceport America Cup and Launch Canada. We are committed to continual imporvement and providing hands-on learning opportunities relevant to the aerospace industry. Our mission is to deliver an industry-level experience that equips members for future success.

# Outreach



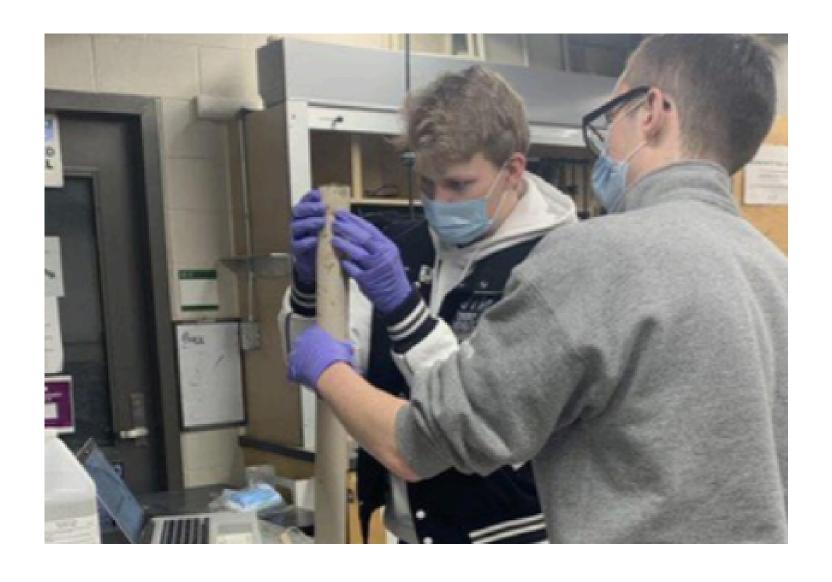
### Clubs Day

Engage with multidisciplinary students across faculties to network and promote our team and, of course, our sponsors! Recruit new contributors, such as students and sponsors, and constantly welcome new members and collaborators.

### Community STEM Advocacy

Present to the community to inspire collaboration, showcase projects, and advocate for STEM involvement! Highlight our sponsors' contributions, promote our mission, and encourage STEM education!





## Model & Tripoli Rockets

Work to launch low powered rockets manufactured by individual students to achieve certifications, engage members with a fun experience, and provide hands-on knowledge in all subteams withing the club!

# Outreach



### Skill Workshops

Using sponsor provided materials, tools, and funding to further the innovation and knowledge exchange for members, fostering the engineers of tomorrow with applicable and practical skills.

#### Competitions

With resources and help provided by sponsors, our team designs and builds rockets set to launch and compete at world renowned competitions. Network with teams and competition judges across the nation and world, while representing and displaying our sponsors.

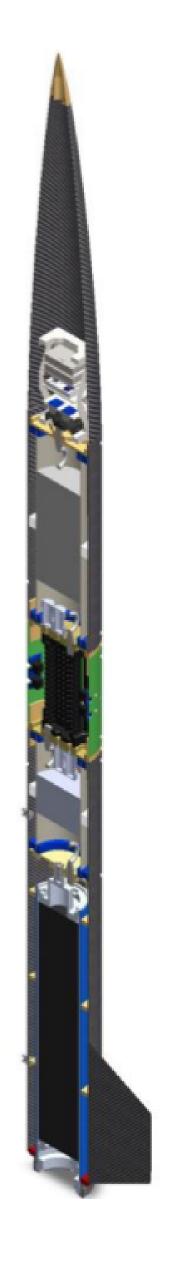




#### **Showcase Events**

As fun, interactive activities, we hold small showcase events. In the photo to the left, our team showcased the skills aquired and resources provided by launching mini rockets with Western students. We are able to display our work and our sponsors!

# Our Rockets



Prometheus 2021-2022

#### Prometheus | 2021-2022

- Western University and WE Rocketry's first successful rocket launch
- Launched over 13 000 feet at Spaceport American Cup 2022
- Student-manufactured carbonfiber body with aluminummachined couplers
- Onboard payload engineered to collect atmospheric data, recovered successfully

### Sapphire | 2022-2023

- WE Rocketry's ambitious, highapogee rocket
- Designed to reach over 30 000 feet for Spaceport American Cup 2023
  - Student-manufactured using advanced carbon-forging techniques



Sapphire 2022-2023

# Our Rockets



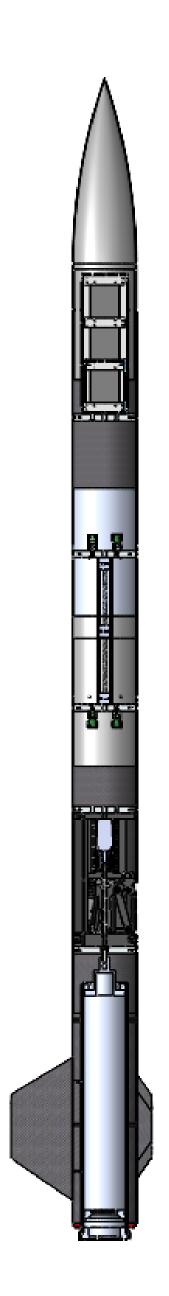
Hyperion 2023-2024

# Hyperion | 2023-2024

- Launched to 9 000 feet at
   Spaceport American Cup 2024
- Student manufactured with new subsystems, including airbrakes and a space bioreactor payload
- Successfully recovered after extensive design reviews and rigorous testing

### Hyperion II | 2024-2025

- Launched to 9364 feet at Launch
   Canada 2025
- Reached speeds of 273 m/s
- Rocketry's most precise rocket up to date



Hyperion II 2024-2025

# Sponsorship Tiers

Low Earth
Orbit

Up to \$500

High Elliptical
Orbit

\$500+

Logo Placement on Website





Social Media Shout-out





Logo Placement on Rocket



Invitation to Design Reviews



# Contact & Final Remarks





**@Western Rocketry** 



@WERocketry



werocketry.western-ues.com



werocketry@gmail.com



**Western Engineering Rocketry Team** 

Cheques should be made payable to Western University and mailed to the following address:

Western University
1151 Richmond St WH 260
Advancement Operations
London, ON N6A 3K7
Canada

To pay by credit card or EFT please contact <u>donationrevenue@uwo.ca</u> to arrange a phone call. Please do not email credit card information.

The WE Rocketry Team sincerely thanks you for taking the time to consider our team as a candidate for your sponsorship. Through the generous donations, materials, tools, and resources of sponsors we will continue to work towards our mission of inspiration and innovation regarding the aerospace industry.