

How You Can Help

Running a program at this scale is no small expense, with an average cost per launch of \$800 including propellant, travel and launch site logistics.

During the 2021 season YC Rocketry fundraised over \$16,000 to participate in NASA Student Launch, and we'll be looking to beat that for the upcoming season.

If you or someone you know might be interested in supporting our program, please don't hesitate to reach out. Your support brings a world class experience to YC students, placing them at the bleeding edge of STEM Education in America.



2022 NASA Student Launch Team in Huntsville, AL

Jordan Clements - Payload
Joshua Clements - Recovery
Charles Weigant - Recovery
Ryder Ramirez - Airframe
Isabella Hoffarth - Payload
Siri Nordstrom - Airframe
Kylie Warner - Recovery
Dominic Harris - Airframe
Adam Robbins - Payload
Jeff Breazile - Mentor
Jordan Slavish - Instructor
Kristen Watson - Instructor

YC Rocketry is proudly supported by the following organizations:



Yamhill Carlton High School
275 N Maple
Yamhill, OR 97148
Phone: 503-852-7600
Email: slavishj@ycschools.org

YC Rocketry

Small Towns
Big Altitude



NASA Student Launch



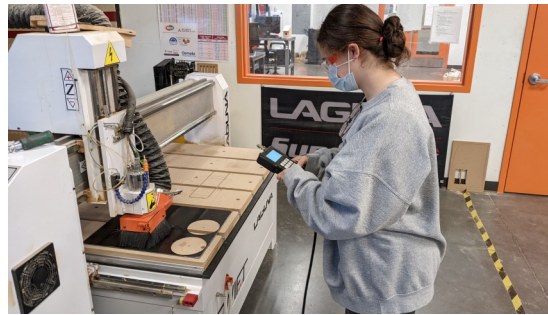
NASA Student Launch is an invite only competition where students design, construct and fly a high power rocket carrying a scientific payload.

For the 2021 Season, YC Students:

- Were one of 15 high schools accepted to compete alongside 65 University Teams
- Wrote over 500 pages of reports
- Dedicated over 2000 man hours
- Worked with Oregon State University Rocketry Team to compare design choices and philosophies
- Defended their design to NASA Engineers at four different stages
- Coordinated with countless professionals from neurologists to aerospace engineers to computer scientists and machinists
- Designed, constructed and flew a gelatin human brain that measured concussion forces experienced in flight
- Completed one subscale and four full-scale flights
- Flew a 9', 30lb Rocket to 3200 feet at NASA Student Launch in Huntsville, Alabama

YC CTE: A Technical Education

Rocketry blends hand skills with academic skills like no other task. It isn't enough to plan it and calculate it, they have to build it - and they have to build it well. At YC, our strong heritage in fabrication and trade skills lends us a unique advantage. YC Rocketry places shop kids at the white board and book worms in the wood shop, and teaches our students that it takes all kinds to be successful.



World Class Tools, Jobsite Mentality

At Yamhill Carlton High School, we like to blur the line between the academic world and the professional world: if you wouldn't find it on the job, you won't find it in our shop. From CNC mills, lathes and routers to 3D printers and laser cutters, our students are empowered to build whatever they can envision. Do you have a project you've been dreaming up that we can help with?



Outreach

One of the core mission objectives at NASA is to inspire the next generation of scientists. As NASA Student Launch participants, YC Rocketry students engaged over 250 students within our community in hands-on rocketry activities. Students learned about physics, flight and rockets, and got to build and fly their own water rockets.



Above: Ryder Ramirez explains to YCES students how the parts of a rocket are connected

Left: Charles Weigant helps YCES students experience parachute drag with a real rocket's parachute!

Yamhill Carlton High Power Rocketry



Jordan Slavish, Instructor
Phone: 503-852-7600
Email: slavishj@ycschools.org