



Support S.T.E.M. Education Donate to Brewer Robotics Team 4564 Orange Chaos



Seven Years and Growing!



2018 Season Recap

- 1st place Alliance WPI Quality Award
- Finalist Pine Tree Industrial Design Award
- Ranked 13th out of 209 teams in New England and qualified for Worlds.
- Facebook: FRC Team 4564 Orange Chaos
Or on the web at: www.brewerfirstrobotics.com

Orange Chaos is a team of high school students and mentors in the Brewer-Bangor region. The team participates annually in a four month robotics challenge created by FIRST (For Inspiration and Recognition of Science and Technology). FIRST is a non-profit organization dedicated to making S.T.E.M. (Science, Technology, Engineering and Math) education and careers as cool as sports. Students learn hands-on S.T.E.M. by designing, programming, and building a robot to compete in a global competition. Learn more at www.firstinspires.org

What We Do

Build Season: January – February Build season begins with the Global Kickoff of the new challenge. Each year is a new challenge! In the span of six weeks the team will:

- Brainstorm and problem solve
- Create plans in 3D CAD Solid Works
- Build prototypes
- Design and print 3D parts
- Program in Java
- Build and test a working robot

Thanks to the generosity of sponsors and suppliers, build season ends not with a test, but with a robot ready to compete in the challenge.

Competition Season: March – April The team and their robot compete in two head-to-head competitions against teams from across New England to earn point to qualify for the NE District Championship. The team can earn the opportunity to go on and compete against the top 400 teams from around the world at the FIRST Championships in Detroit. The team has qualified in all but one of the past six years.

Off-Season: May - December The team meets twice weekly to develop new skills and gain experience while training new members and working on special projects.

The team also:

- Competes in multiple “Off Season” events.
- Participates in parades and displays.
- Volunteer at FIRST Lego League Qualifier And Maine Regional Championship.
- Give talks on training days to share knowledge with other robotics teams.
- Mentor FIRST Lego League Teams.
- Conduct fundraising activities.
- Regularly performs robot demos, training, and info sessions to spread STEM awareness.
- Summer builds and special projects to train new students.



Building Maine's Future Workforce

Orange Chaos inspires our region's children to become engaged in STEM activities to prepare them to work and thrive in the increasingly technological world and global economy. Skills being developed include:

- Problem Solving
- Teamwork
- Cooperation
- Persistence
- Social Interaction
- Technical and Analytical Thinking
- Troubleshooting
- Public Speaking

For your Business

Your company name will be highlighted on the team's web page, and Facebook page. Depending on level it will also be seen at 2-3 season events in Maine and New England, 3-4 off-season events, plus 12-15 STEM outreach events throughout the year.

Aluminum \$100: Business name and logo on Facebook and website with a link to your business.

Bronze \$250: All benefits + your business name and logo displayed on the competition robot.

Silver \$500: All benefits + your business name displayed on the team's competition T-shirt.

Gold \$1000: All benefits + your business name will be read as a major donor at all competitions.

Platinum \$2500: All benefits + your business name and logo on the team's trailer.

Donations of tools, materials, services, or technology are welcome and will be recognized by the team.

YES! I would like to support the Brewer FIRST Robotics Team at the following level:

Level: Aluminum (\$100) _____ Bronze (\$250) _____ Silver (\$500) _____ Gold (\$1000) _____
 Platinum (\$2500) _____ Other (\$ _____)

Name: _____ Company: _____

Address: _____

City: _____ State: _____ ZIP: _____

Email: _____ Telephone: _____

Make checks payable to Brewer High School Robotics Program
 Mail to: Robotics Team, Brewer High School, 79 Parkway South, Brewer ME 04412