

current events

The Team Resistance & Stanton Robotics Newsletter

September 2026

SPACE COAST SHOWDOWN

Team Resistance attended the 4th annual Space Coast Showdown (SCS) offseason competition and ended qualification matches ranked **4th** out of 29 teams. We also received the *Additive Manufacturing Excellence Award* for our use of 3D-Printing during robot prototyping and in unique solutions on OHMER 26. This event allowed **new students** to be robot drivers in a competition environment and allowed us to connect with other teams across Florida. In the playoff matches, we were the **Captain** of Alliance 3. We picked team 8841 OTTER and 233 The Pink Team's second robot and made a deep run that ended with a strong **3rd** place finish in Round 5.



Throughout the event, OHMER performed beautifully in the **Autonomous** portion of REBUILT because of our work in the weeks leading up to the event. Our design, programming, and electrical subteams worked on adding a Limelight 4 **camera** to our Turret. This camera would allow our robot to localize, or better understand its position on the playing field, which directly correlates to improved accuracy in pre-determined Autonomous driving routines. It also increases the **accuracy** of the Turret itself in aim and launch distance in all portions of the match. The 3D-Printed camera mount went through 3 iterations to ensure **rigidity** and strength while maintaining a small form factor so as not to disrupt the rotation of the Turret.

Our Pit Crew also worked extremely hard between matches to ensure OHMER ran **consistently** at peak performance. Their work included lubricating gears, replacing broken 3D-Printed and polycarbonate parts, and straightening aluminum bent by hard hits. They also **debugged** one of the four "swerve" modules that together make up our holonomic drivetrain. Without their **dedication**, OHMER could not have competed in about one quarter of our matches.



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COMMUNITY OUTREACH

Team Resistance attended two major outreach events in September: the grand opening of Morning Oil Coffee and the Jacksonville Beach Elementary STEM Night.

- At the Morning Oil Coffee opening event, we had an opportunity to connect with over **500** members of our community and share our story. We participated in community fundraising for education in the trades, and **increased interest** in STEM with attendees.
- At the Jacksonville Beach Elementary STEM Night, we showcased our 2024 CRESCENDO robot to nearly **1,000** elementary schoolers and their parents, other members of the local Jacksonville community, and referred many younger students to **FIRST LEGO League** programs.

NEW STUDENT TRAINING

Controls: Our controls team learned and practiced command-based programming and electronics.

Design: Our students used open-source resources to become familiar with CAD, one of the technical aspects of design. They also studied past seasons to understand successful robot archetypes.

Operations: Students learned the basics of FRC team management and participated in team outreach.

Fabrication: Students mastered the skill of accurate measurement with dial calipers and tape measures. They also started on projects for layout and marking and applied those skills on machines.



TEAM RESISTANCE
Going Against The Current
Since 1996

See our Instagram:
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teamresistance.org

Team Resistance is a Jacksonville-based STEM educational nonprofit for high schoolers. Team Resistance competes in the annual FIRST Robotics Competition, and serves students from all over NE Florida.

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