



The R.O.B.O.T.I.C.S. Review

Team 107 February Newsletter

Sponsor Highlights



BJ Johnson Physical Therapy

Ottawa County Window Cleaning LLS

Cap Trust

Learn More:



[Team 107 R.O.B.O.T.I.C.S.](#)

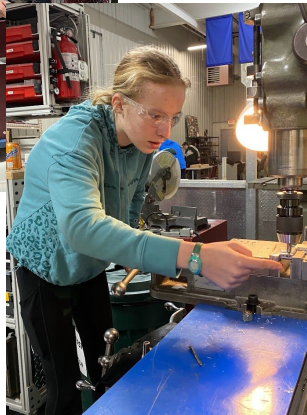


[Team107Robotics.Weebly.com](#)



[HCHS Robotics](#)

Building the Robot



This month we got the robot up and running for practicing with. We also finished wiring the drive base and arm that picks and places the pieces on the field. As always, we try to make sure the robot was built by the students and not the mentors. On Team 107, we like to be student lead with mentors teaching and assisting.

This month, we focused a lot on electrical and pneumatics work. Mentors like Jacob, Dave and Bob helped the students learn how to complete these tasks. Some challenges that we've had are wiring components that move up and down and having long enough wires and airlines to account for movement.

Programming for Charged Up!

Now that the robot has been built, we've been testing all the features we designed and assembled. The robot is running smoothly after many hours of staying up late to get it running. One of the items we have been working on programming is our limelight. The limelight allows us to track locations on the field so the robot can easily place cubes and cones in the correct locations.



Feeding America Update



In January and February, our Team volunteered with Feeding America at Third CRC in Zeeland. We were able to help provide food to 70 families per event. We really enjoy pushing carts and handing out produce and baked goods to families. We always look forward to this volunteer opportunity and can't wait to go back again!



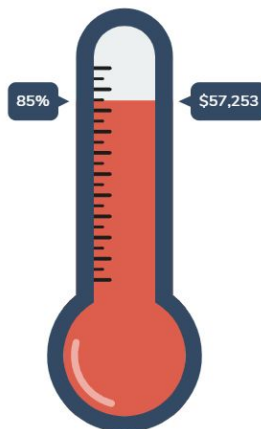
The R.O.B.O.T.I.C.S. Review

Team 107 February Newsletter

Sponsorship Opportunities

This year, our Team's budget is \$67,750. This season will be a very expensive year since we will be going back to Houston, TX for the World Championship. If anyone is interested in sponsoring our team, you can contact our Team Coach, Michelle, at bonzi2@sbcglobal.net for more information or to learn more about joining the team as a sponsor, visit our website at <https://team107robotics.weebly.com/>.

GOAL: \$67,750



Current Funds Raised

Currently, the Team has raised over \$57,000 for this season! We are almost to our goal! Since our last newsletter, we received almost \$20k in sponsor donations! Thank you! We cannot thank you all enough for all your generous support of our 2023 season! We are confident that we will be able to meet our goal and have everything covered by the end of our season.

Student Spotlight

Meet sophomore, Sami! Sami has done so much for the Team over the years! She has been on the team since 7th grade, participating on middle school Teams prior to joining Team 107! Sami is always willing to help out with our robot, fundraising and our awards presentations. For the robot, Sami helps make parts and assembles them. She even helps wire the robot. Last summer, she even helped organize a volunteer day at the library for us to bring the robot to and show off how cool STEM is! Great job, Sami!



Mentor Mention

Meet mentor Jon! Jon has been with the Team since 2013! Jon is the machinist for our Team. He has been very helpful by teaching the new kids how to safely use the Bridgeport Mill for making robot parts.



With his skill set, Jon helps students build prototyping for the robot. He also helps us understand the build process for building the robots. He is always willing to help grow our knowledge of working with different materials and machines. He helps us learn how to use the saws and tools around the shop to accomplish the robot build. Thank you, Jon!

Save the Date! Come see the Robot in Action!

Mark your calendars to come join us at our first competition, the West Michigan District Event! The event will be at Grand Valley State University in the fieldhouse. The dates for this event are March 24th and 25th. You can find all the event details on the event website: <https://westmifirst.org/district-event/>

