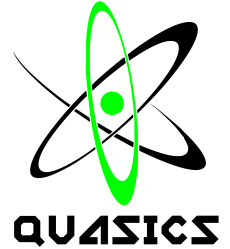




*FIRST* Robotics Competition Team 2656  
*FIRST* LEGO League Teams 51258, 53070



Gateway High School - Monroeville, PA

## **Our Mission**

As a team, our main goal is to encourage young people to explore the fields of science and technology. To this end, we participate in several robotics competitions that are designed to promote this goal, and to develop experience in STEM-related fields.

Our team has a group competing in the *FIRST* Robotics Competition, as well as a rookie *FIRST* LEGO League team. In addition to the engineering opportunities that these challenges represent, they also provide students with opportunities to:

- Pursue passions in all fields; not only those related to science and technology
- Gain hands-on experience with multi-disciplinary collaborative problem solving
- Learn how to handle real-life situations by working to short, strict deadlines, handling team finances, and taking robots from design through implementation within the guidelines of the competition
- Volunteer in their community
- Network with industry and engineering firms and companies

## **Team Organization**

- 25 team members in 2020-2021, representing grades 8-12
- 6 adult volunteers
- 2 competition teams (FRC and FLL)

## **Team Impact**

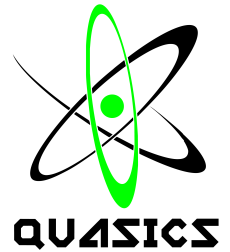
- Over 85 alumni have participated in our program since 2007, many in STEM fields today
- Participated in 54 community events inspiring 15,229 visitors in 2019. Our outreach events included the Monroeville Public Library FUN Fest, Bee Well Family Expo, Pittsburgh Home and Garden Show, Mars New Year, and the Pittsburgh PrideFest.

For more information on *FIRST* robotics competitions, visit [www.firstinspires.org](http://www.firstinspires.org)



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### **Educational Improvement Tax Credit approved program**

EITC donations to Quasics can be accepted via the Gateway Education Foundation. Contact us today if your business is on the PA Department of Community and Economic Development list.

### **Sample budget**

There are many costs associated with running the *FIRST* programs at Gateway. Our projected budget for the 2020-2021 season includes the following expenses:

<b>Competition Registration Fees (FRC/FLL)</b>	<b>\$5500</b>
<b>Local Competition Entry Fees (FLL)</b>	<b>\$250</b>
<b>Team Uniforms (FRC/FLL)</b>	<b>\$600</b>
<b>Parts/Tools/Supplies/Safety</b>	<b>\$4000</b>
<b>Promotional Materials</b>	<b>\$500</b>
<hr/>	
<b>Total</b>	<b>\$10,850</b>

In addition to monetary donations, the team welcomes in-kind donations, such as used tools, spare parts and components, metal stock, extra wire, and more.

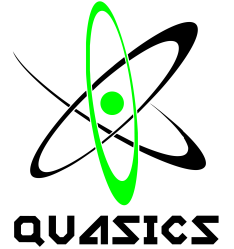
Our program is in need of adult mentors, providing support during team activities including:

- Writing, including funding documents and our Business Plan
- Organization and project management of fundraising, sponsor visits, and more
- Graphic Design and Marketing
- Advice and guidance during prototyping efforts
- Guiding the students through the technical challenges we encounter (electrical, mechanical, and programming based)
- Public speaking practice and feedback



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As there are significant costs associated with our competitions, we rely on sponsor support in addition to other fundraising efforts. We have the following sponsorship levels and associated benefits.

### Sponsor Benefit Levels

Bronze (under \$75)	<ul style="list-style-type: none"><li>• Small sponsor name on banner (displayed at outreach events &amp; tournaments)</li><li>• Sponsor name on website sponsorship page</li><li>• Framed "Thank You" letter, signed by all club members</li><li>• Copies of the club newsletter</li><li>• Invitations to all of our competitions and our end of the year sponsor event, as well as an option for an on-site demo by our team (and our robots) at your location</li></ul>
Silver (\$75 - \$249)	All Bronze level benefits, plus: <ul style="list-style-type: none"><li>• Medium sponsor name on banner (displayed at outreach events &amp; tournaments)</li><li>• Sponsor name on t-shirt</li></ul>
Gold (\$250 - \$499)	All Silver level benefits, plus: <ul style="list-style-type: none"><li>• Large sponsor name on banner (displayed at outreach events &amp; tournaments)</li><li>• Sponsor name and link on website sponsorship page</li><li>• Sponsor name on robot(s)</li></ul>
Platinum (\$500 - \$999)	All Gold level benefits, plus: <ul style="list-style-type: none"><li>• Prominent sponsor name on banner (displayed at outreach events &amp; tournaments)</li><li>• Sponsor name, logo, and link on website sponsorship page</li><li>• Team t-shirt to display</li></ul>
Diamond (\$1000+)	All Platinum level benefits, plus: <ul style="list-style-type: none"><li>• Prominent sponsor name and logo on banner (displayed at outreach events &amp; tournaments)</li><li>• Sponsor name, logo, and link on sponsorship page and logo on the front page of the club website</li><li>• Prominent sponsor name on t-shirt</li><li>• Prominent sponsor name on robot(s)</li></ul>

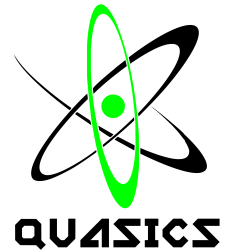
For more information on Quasics, visit our team's website at [www.quasics.org](http://www.quasics.org)  
And be sure to 'like' us on Facebook, and follow us on Twitter and Instagram!



## QUASICS ROBOTICS TEAM

3000 Gateway Campus Blvd  
Monroeville, PA 15146

[funding@quasics.org](mailto:funding@quasics.org)



Business name:

Contact name:

Address:

City:

State:

Zip code:

Phone: (    )

Email:

Business website:

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Please make checks payable to: ***Gateway High School Robotics Club***

Mail to: Gateway High School Robotics Club  
3000 Gateway Campus Blvd  
Monroeville, PA 15146

Student contact:

Amount donated:

Check #:

Cash: [    ]

Material donation:

EITC donations are tax deductible through the Gateway Education Foundation.  
Contact us for more information!