



GEORGE MASON HIGH SCHOOL

A Falls Church City Public School

7124 LEESBURG PIKE

FALLS CHURCH, VIRGINIA 22043

PH (703) 248-5500

FAX# (703) 248-5533

www.fccps.org/gm



January 12st 2018

VAE VICTIS First Robotics Team 1418 Fundraising Appeal 2018

We would like to introduce VAE VICTIS, FIRST Robotics Team 1418, from George Mason High School in Falls Church, Virginia. We are an experienced team of dedicated students and adult mentors with a long history of success in competition. This year will be our team's 15th year of participation in the FIRST Robotics Competition and we are urgently seeking industrial mentors and commercial sponsors to support our advancement in this year's Challenge.

FIRST is a leading organization in the promotion of STEM. Its mission is to inspire young people to be science and technology leaders, by engaging them in exciting mentor-based programs that inspire innovation and foster well-rounded life capabilities including self-confidence, communication, and leadership. Everyone on the team aspires to successful careers in science and engineering and benefits from the opportunity to learn new skills in areas such as computer programming, electronics, graphics and design, engineering, analysis and statistics, as well as in teamwork, responsibility, and gracious professionalism.

In the past season, Team 1418 has become a well-known and highly-revered team. We have been recognized with the Northern Virginia and Chesapeake Rockwell Automation awards for Innovation in Control and the Northern Maryland Xerox award for Creativity for our highly functional robot! Over the past two years we have competed in the FRC World Championships and look forward to our first competition of 2018 at the Northern Virginia Regional, located in Haymarket, Virginia, in early March of this year. All FIRST events are free and open to the public, and we would love it if you could come out and cheer our team on.

Our program is run mostly on voluntary contributions and we need help to maintain this high level of performance. All donations are fully acknowledged and, as partners, our sponsors share with us in the wonderful experience that only FIRST competitions can provide. In return for support, we post company names and logos on our website, our competition "pit," our team t-shirts, and even our robot. Please see the remainder of this packet for sponsorship opportunities, and other ways to help us.

Thank you!

VAE VICTIS FIRST TEAM 1418

Tax ID number 546 000 332.

Matthew J. Hills
Principal

Kevin S. Clark
Assistant Principal

David C. Serensits
Assistant Principal

Iana Reyes
Director of Counseling

Julie M. Bravin
Director of Athletics

Adam White
Dean of Students



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TEAM 1418 VAE VICTIS SPONSORSHIP TIERS

➤ **Platinum Sponsor - \$2,000+ “Rocket Boosters - Help us reach the stars!”**

Company Name and logo on our robot, our pit area, our website, team publications (including all brochures and team documents), an invitation to our competitions and team events, and special team gift.

➤ **Gold Sponsor - \$1,000+ “Electric Chargers – Give us our spark!”**

Company Name on our robot, pit area, website, team publications, an invitation to all our competitions, and a special team gift.

➤ **Silver Sponsor - \$500+ “Hydraulic Lifters – Help us go higher!”**

Company Name on website, team publications, and an invitation to all our competitions,

➤ **Bronze Sponsor - \$100+ “Gears & Pulleys – Keep us moving!”**

Company Name on our pit area and website, an invitation to all our competitions

➤ **Nuts & Bolts Sponsors – Any donation greatly appreciated - We can't do it without you!**

Please make tax deductible education donations payable to GEORGE MASON HIGH SCHOOL, noting ROBOTICS on the memo line and send c/o Tina Heartney to the address **GEORGE MASON HIGH SCHOOL**, 7124 Leesburg Pike, Falls Church, Virginia 22043

For more information about our team and our upcoming events, see our website www.1418.team or contact Steven Knight, the Faculty Sponsor, at knights@fccps.org, phone 703-307-2982








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FIRST POWERUP

With every new year comes a new FIRST Robotics challenge. While the George Mason High School Team endeavors to reuse parts when possible, wear and tear on the robot necessitate the purchase of new parts every season. Sponsors' contributions are essential to keep the 1418 robot in competitive condition. For the 2018-2019 season, your donations will help us pay the initial registration fee (\$5000.00) and acquire the following necessary components:

<p>RoboRio Robot Controller. The National Instruments roboRIO is a portable reconfigurable I/O (RIO) device that we use to control the robot. \$435</p>	
<p>Power Distribution Panel. The CTR Electronics Power Distribution Panel (PDP) ensures that DC power is distributed consistently to the various mechanical systems used on the robot. \$200</p>	
<p>Spark Motor Controllers (x12). Rev Robotics PWM-controlled brushed DC motor controllers are designed especially for FIRST® Robotics Competition robots. Our robot uses six of them. \$45 each</p>	
<p>Voltage Regulator Modules (x2). CTR Electronics Voltage Regulator Modules provide access to different constant voltages for the various sensors and cameras on the robot. Our robot uses two of them. \$45 each</p>	
<p>Dual Band 1.17 Gbps Access Point (Radio). The Open Mesh 1.17 Gbps Access Point is the only approved radio for the 2017-2018 competition, and enables our team to communicate with the robot via wifi during competition. \$135</p>	

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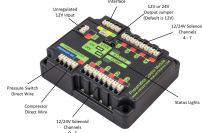





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<p>Pneumatic Control Module (PCM). The CTR Electronics PCM provides an easy to use interface for the robot's pneumatic components. \$90</p>	
<p>Laptop. A standard off-the-shelf laptop computer is needed for the team to control the robot during competition. Our current laptop is outdated and in need of an upgrade. \$1000</p>	
<p>Batteries (x2). The robot utilizes two 12V Interstate batteries, which are in need of replacement. \$45 each</p>	 <p>x2</p>
<p>Assorted Consumable Items. The robot also needs various consumable items such as fuses, cables, fasteners, etc. Approximately \$300</p>	
<p>Safety Items. In addition to safety glasses and gloves for all team members, we also are in need of a new first aid kit this season. Approximately \$300</p>	
<p>Tools. There are several hand tools that need to be replaced this year, including a soldering iron as well as many other old tools. We are also always seeking new tools so we can manufacture better materials for our bot faster. Approximately \$100</p>	

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