



Pleasant Grove Elementary needs your help! We want to establish a ROBOTICS PROGRAM.

Dear Sir or Madam,

Pleasant Grove Elementary is currently seeking your support so we can join other local schools and organizations across Georgia and the United States in the exciting First Lego League "Nature's Fury" Robotics competition this school year.



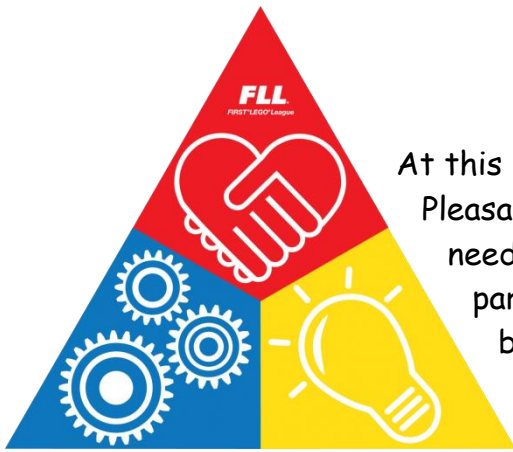
FIRST Robotics (For Inspiration and Recognition of Science and Technology) was founded by inventor Dean Kamen, also known for designing the Segway Scooter, in 1989 with the purpose of giving students the opportunity to gain hands-on experience with sciences such as computer programming, electrical engineering, physics, pneumatics, and structural engineering. In addition, it lets students exercise

knowledge they gain in their school classes for real world applications, gives them experience working one-on-one with professional engineers to solve scenarios, and teaches them good business and communication skills that are essential to keep the team afloat.

FIRST achieves all this through a game. Students have to design and program an autonomous robot that can master challenges on a 4' by 8' field designed around a theme. This year the theme is "Nature's Fury". Once our team is registered the students will receive the field set up kit and build their practice field so they

can begin designing, building, and programming their robots. Students will also have a related problem to research, experts to consult, and a presentation to design. During the competition students will design WebPages, presentation handouts, and ways to communicate with other students and experts about their research and innovative solution. The learning is amazing and will stay with the students forever.





At this point, the biggest obstacle we face in establishing a team at Pleasant Grove is the initial costs of hardware and software. We need to raise at least \$3,000.00 this Fall to be able to participate. This money will be used to secure four robot bases, exchangeable parts, and the programming software to get started. We will also need to register our team (\$250.00), purchase a field set up kit (\$75.00), and pay registration fees for the competition events we attend (\$100.00 each). We know that with support from our community we can make this happen for our students.

Raising close to \$3500.00 and getting the support of engineers and volunteers to help mentor us will take a great deal of support and determination. We are asking for your support in whatever form you can give. We gratefully accept any monetary donations that you are able to give us. We can also use volunteer help from both engineering and non-engineering mentors.

You use technology every day. Just think about what would happen to the modern world if suddenly no one else was interested in becoming a scientist or engineer. Despite the initial high price tag, FIRST gives back by educating young students about science and technology and inspiring them to put their skills to use in the real world. Having more students in the FIRST program equates to more students who will enjoy studying science, technology, engineering, and math. Please support us to help ensure the existence of future technological advancements while giving young people the opportunity to explore a whole new world.



Sincerely,

Amy Hurlock Zock, FLL COACH and MENTOR

Pleasant Grove Elementary School

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For Information on our PGE team, as well as pictures and videos, please visit the PGE alpha website (<http://ahurlock.wix.com/pgealpha>) or The PGE alpha facebook page (<https://www.facebook.com/PgeAlpha>). For more information about FIRST you can visit www.usfirst.org.