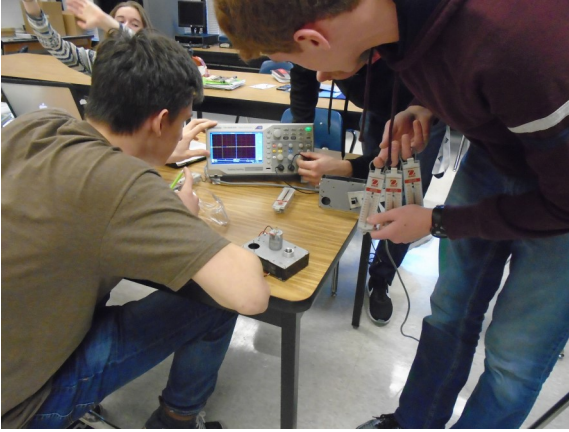


WE ARE PROUD OF OUR STUDENTS!

Please consider assisting Logan students with this amazing opportunity!



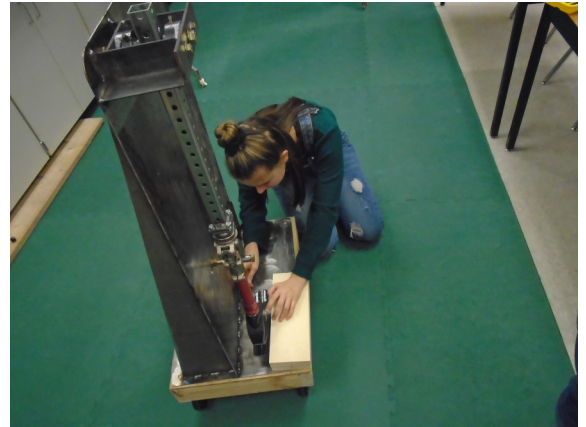
Students testing components

Logan High School was recently awarded a Lemelson-MIT InvenTeam™ grant to create an Energy Management System for Prosthetic Limbs. The invention will harvest kinetic energy from human motion to generate and store electricity for prosthetic limbs. Logan High School is one of 15 high schools nationwide to be selected as an InvenTeam this year.

InvenTeams are teams of high school students, teachers and mentors who invent technological solutions to real-world problems. This initiative of the Lemelson-MIT Program aims to inspire a new generation of inventors.

A prestigious panel of judges composed of educators, researchers, staff and alumni from MIT, as well as representatives from the industry and former Lemelson-MIT Award winners, assembled last fall and selected Logan High School as one of this year's InvenTeam grantees.

The Logan InvenTeam will design and build an improved charging and use management system to supply electricity to an electric vacuum pump in a lower leg prosthesis. This will greatly improve an amputee's freedom by extending the time he/she can use the limb without being restricted to plugging it into a wall socket to recharge. The invention will have an energy harvesting module that converts the kinetic energy produced in a walking motion into sustainable energy using electro mechanical technologies. The design and fabrication will be done in the Logan Technology & Engineering Department.



Paige Treakle working on a tester

Through the course of this school year, the Logan InvenTeam will develop its Energy Management System for Prosthetic Limbs. In June, the students will showcase a prototype of their invention at EurekaFest at MIT in Cambridge, Mass. EurekaFest, presented by the Lemelson-MIT Program, is a multi-day celebration designed to empower a legacy of inventors through activities that inspire youth, honor role models and encourage creativity and problem solving.

Members of the Logan InvenTeam are: Caitlin Coffey, Avery Schams, Paige Treakle, Alex Magnuson, Tanner Boge, Seth Petersen, Austin Sather, Thomas Kujak, Nathan Jarrett and Thaying Vang. Logan instructors are: Steve Johnston and Joanne Cappuccio.

The Logan InvenTeam is asking for your help to raise funds to cover travel expenses to go to MIT in June 2019 to demonstrate their invention at EurekaFest and to purchase a new Computer Numerical Control Router for the Tech Ed Department at Logan HS. Donations can be made through the La Crosse Public Education Foundation at the following link:

<https://lacrosseeducationfoundation.org/logan-invent/>

Thank you for your interest in assisting us in making this possible for Logan students!