

Triton Education Foundation, Inc.

TEF News

May 2023

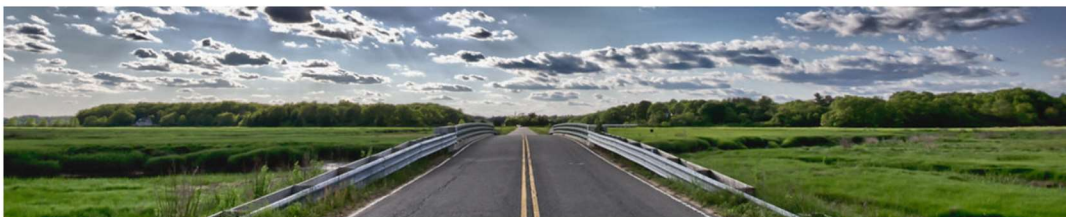
Accomplishments

During the past year and a half year TEF has refocused their mission towards developing deep & sustained partnerships with Triton educators and corporate sponsors to supplement students' learning experiences in the STEM disciplines.

Received a significant influx of funding totally \$150,000 from the Newburyport Industrial Area Corporation or 'NAID' Charitable Foundation and the Institution for Savings. Special thanks to Kim Rock!

Working along side Brian Forget and Triton educators, TEF's new vision materialized into resources being brought into the classrooms (TEF funded lab equipment for the science department), planned training from industry experts, and the first graduation pathway in Environmental Science! See additional flyer for more detail on this exciting new program being offered for the first time to the Class of 2026!

Funded Microbits that are being utilized across all three elementary schools for the K-6 coding unit led by Johanna Leate, Triton's STEM teacher. See additional flyer for more details on how these are being used by our students!





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Looking Ahead

TEF will continue to work together with Triton towards their new mission, supporting the Environmental Science Pathway with a goal to create additional graduation pathways in the near future.

TEF will continue to create and strengthen relationships with industry partners and corporate sponsors to enrich Triton student learning and provide opportunities for real world experience.

TEF will help to defray the cost of the 6th grade Ecology Camp across all three elementary schools.

With the remaining funds left in the stadium account, TEF will provide landscaping in the entrance area of the stadium.

TEF will be looking for community members interested in contributing their time, efforts and/or resources towards their new mission. These new opportunities for Triton students are exciting!

TEF is kickstarting a composting program on the Triton school campuses and is currently seeking adult volunteers to assist with this project.





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TEF Helps Create & Fund New Environmental Science Pathway for Triton High School

May 2023

TEF plays big role in kicking off new pathway

Ninth grade Triton students heard a presentation from members of the high school's science department describing a brand-new opportunity being made available to the class of 2026. Mr. Horsley, Dr. Moore, and Dr. Lothrop are currently pursuing a Graduation Pathway in Environmental Science. Accepted students would work to meet the pathway requirements to earn a graduation distinction on their high school diploma. Additionally, their participation in the pathway would be reflected and honored in the college admissions process. Accepted students will be required to take specific courses and will complete their choice of an independent research project or an internship with local environmental companies or research institutions. During their senior year, both groups of students will discuss their experiences at a symposium, where they will have an opportunity to network with local environmental professionals and representatives from colleges and universities and to show off their accomplishments to you, their parents or guardians!



TEF has refocused their mission to developing deep & sustained partnerships with Triton educators to supplement students' learning experiences in the STEM disciplines



TEF is thrilled to see the new Environmental Science Graduation Pathway take flight!

TEF's Involvement

TEF presented a new vision that involved establishing partnerships with both Triton educators & corporate sponsors to leverage support for the work being done within Triton schools to prepare students for a modern workforce. With a STEM enrichment focus, this has materialized into resources being brought into the classrooms (for example, TEF funded lab equipment for the science department), planned training from industry experts, and the first graduation pathway in environmental science. TEF has been working along side Brian Forget and several high school staff to bring their new vision to life!



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TEF Funds K-6 Microbits

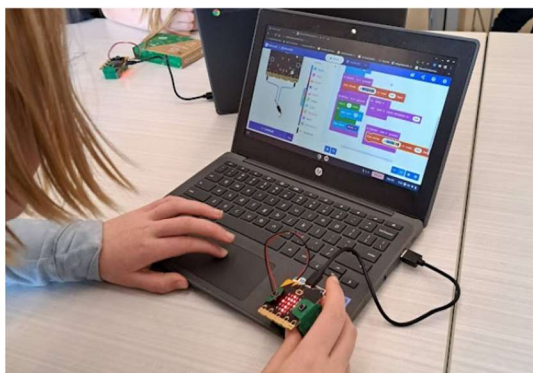
May 2023

TEF funds Microbits for K-6 coding unit

TEF bought Microbits to be used across all three elementary schools for the K-6 coding unit. Johanna Leate, Triton's STEM teacher writes: "The initial implementation occurred at PGS and began with an introduction to coding along with information and evidence of the important skills that are learned and practiced such as problem-solving, persistence and perseverance, confidence, creativity, and flexible thinking. All grade levels, K-6, began with a similar "unplugged coding" activity where the students paired up and one became a robot while the other coded specific commands to create a simple or complex cup structure. Grades 3-6 were then introduced to the microbit coding software which allows them to learn, practice, and run a simulation of their code. They loved generating ideas and puzzling through the coding process to bring their ideas to life. The students then used the microbit devices and learned to connect, download, and sync their code". The coding program was then taught at NES and will be brought to SES after April break.



6th grade students at PGS engaged in the coding unit directed by Triton's STEM teacher, Johanna Leate



5th grade students at PGS utilizing the Microbits with its coding software during the coding unit led by Triton's STEM teacher, Johanna Leate

High Student Engagement

Johanna Leate continues: "The students were so engaged in this process, sticking with an idea, debugging their code, helping each other, and using the software or youtube to watch tutorial videos to bring an idea to life. The students created real-world applications for their microbits and the ideas were fabulous. Some created code to help someone communicate, others created trivia games to study for a test, some created games like "pong", some worked on creating an animated/singing card, while others worked on multiple-player microbit games such as rocks, paper, scissors."