

TRITT TIGER TALK

Tritt Tiger Talk provides a glimpse into part of your child's experience at Tritt. Click [here](#) to learn more about the TTF.

FULL STEAM AHEAD!



Can you hear me now?
First graders experiment with sound vibration using cups and string from the STEAM Stop.

Learnin' a Thing from Cups & String!

It's an autumn day; the wind is howling; there's a chill in the air. You're hiking in the forest and you realize you're lost. The hitch? You're a first grader in Mr. Giunta's Science Lab, on an actual hike with your classmates engaged in a STEAM lesson, learning about sound and light. Before anyone actually does get lost, Mr. Giunta hands you and your team a backpack of supplies with the challenge of creating an emergency signal using light and sound.

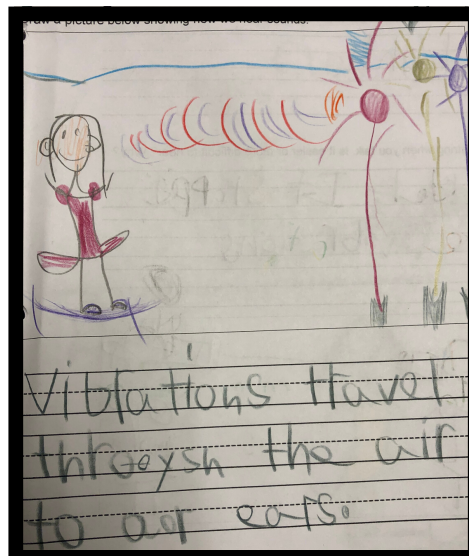
In the last several weeks, first graders have been working together, creating *real* emergency signals using supplies from the STEAM Stop (plastic cups and strings for phones, mirrors, flashlights, and colored lenses to create reflection - all supplied from Tritt's STEAM Stop). They've designed solutions to their problem, built their emergency devices in small groups, tested their solutions, and shared their results in their Science journals and with classmates. Through collaborative learning, students have discovered sound is vibration moving through the air. Reflection is how light bounces. While both concepts are part of first grade learning standards, using the STEAM Engineering Problem-Solving Process, children 'uncover' these concepts for themselves using hands-on, real-world problems while finding working solutions. No more being stuck in the forest with no way out!

First Grade Science Journaling

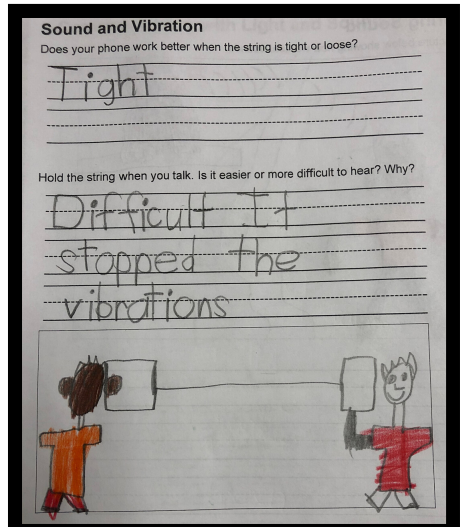
Define the Problem



How do we hear sounds?

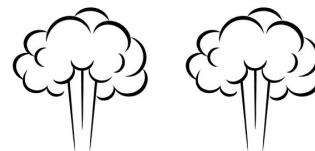


Does your phone work better when the string is tight or loose?





See the STEAM in our STOP



Imagine walking into a classroom-sized closet, stocked to the ceiling with more supplies than you can count, including microscopes, drill guns, and even petri dishes. Funded by your donations to the Tritt Tiger Foundation, the STEAM Stop, developed in 2018, serves as a one-stop shop providing resources for teachers and students engaging in STEAM activities. **Lauren Surden** and **Danyelle Hysong**, serve as TTF STEAM Stop volunteers, ensuring our STEAM Stop is organized, stocked, and running smoothly. Read on as Lauren provides a 'virtual' tour!



What are you most proud of regarding the STEAM Stop?

"It's rewarding to see our teachers provided with both the ordinary items they need everyday but so often run out of (glue sticks and crayons, for example) and the innovative, more costly resources they wouldn't otherwise have access to (Pancake Bots and 3-D Doodle Pens, for example). The students are shocked when they walk into the STEAM Stop and see so many items. It's not uncommon to watch their jaws drop!"

What are the most unique items one might find on the shelves?

"We try not to discard donations we receive, so you may find a hamster wheel, holiday lights and more than 1,000 plastic straws on the shelves (among other 'interesting' items). We realize the straws are not good for the environment so we plan to hold on to them until a Tritt student invents a new use for them."

What items are checked out most frequently?

"The puppet theater (pictured below) is used frequently. Students love the Q-ball and of course the Legos are one of the most frequently used tools. The Student Leadership Council held a Lego drive last year and collected a whopping 100 pounds of Legos for the STEAM Stop."

Want a tour? Contact STEAMSTOP@trittfoundation.com with questions or if you would like to volunteer to restock. A big thank you to this year's TTF STEAM Stop Coordinator, Lauren Surden and Volunteer, Danyelle Hysong!

OUR SHELVES ARE STEAMIN'!

Consumables (one-time use)

Egg Cartons
Toilet Paper Rolls
Disposable Measuring Cups
Q-Tips
Modeling Clay
Toothpaste
Ziplock Bags
and MUCH More!

Non-Consumables (QR-coded and checked-out and in via scanner)

Tool Bags (with tools)
3-D Printer
Microscopes
Q-ball
Art Cart (with supplies)
Pancake Bots
Flashlights
Stop Watches
and MUCH more!

STEAM in action



Laura Cervi,
Second Grade
teacher and a member
of the TTF Board
shares a few examples
of STEAM resources
and how she and her
students use them.

Making a show with light:

Mrs. Cervi's students recently used the puppet theater to create a shadow puppet show putting their knowledge of shadows and light to work in a creative way.



Pass the Q-ball! One of students' favorite STEAM Stop resources, the Q-ball (a ball with a microphone that can be tossed around) is often used for concept review. Engagement and participation are high when using it!

Which glue will hold the most

beans? Mrs. Cervi's second graders experiment with creating an environmentally sustainable glue as they learn about matter and its changing states. All supplies were obtained from the STEAM Stop.

