

THOMAS E. BOWE MIDDLE SCHOOL

Memo

To: Mary MacMichael
From: Lauren Kerr
Date: September 27, 2025
Re: new club at TEBMS proposal

Thomas E. Bowe Middle School is looking to pilot a new Bulldogs in STEAM club, as one of our other Schedule D clubs, Math Counts, is no longer running due to lack of interest over the past two years. Ms. Erica Quiles, one of Bowe's 6th grade math teachers, has volunteered to run this club for the 2025-2026 school year. More information on the mission of this club as well as possible activities is listed below.

Bulldogs in STEAM is a STEAM based club. The mission of the club is to inspire curiosity, creativity, and critical thinking by providing middle school students with hands-on, collaborative experiences in science, technology, engineering, arts, and mathematics. Through engaging projects and exploration, we empower students to become innovative problem-solvers and lifelong learners.

Club goals:

- Engage students in challenges that require critical thinking, experimentation, and iteration.
- Consider how their skills will be useful in a 21st century career
- Support students in developing confidence in their abilities to create, lead, and present their ideas.
- Create a welcoming environment where all students feel valued and encouraged to participate, regardless of background or experience.

Some possible activities:

- **Science**
 - **DIY lava lamps** - Explore density and chemical reactions using oil, water, and Alka-Seltzer.
 - **Slime lab** - Create and compare types of slime to learn about polymers.
- **Technology**
 - **3D Design and Printing** – Create simple 3D models using free software like Tinkercad.
- **Engineering**
 - **Bridge-Building Challenge** – Construct bridges from spaghetti, straws, or popsicle sticks and test their strength
 - **Egg Drop Contest** – Design a container that protects an egg from a high fall.
 - **Balloon-Powered Cars** – Use recycled materials to build small cars powered by balloons.
- **Art**
 - **Music and Sound Projects** – Explore sound waves and build instruments from everyday items.
- **Math**
 - **Geometry in Architecture** – Design and build model structures focusing on shapes and stability.
 - **Probability Games** – Use dice and cards to explore probability in fun ways.

Students interested in the Bulldogs in STEAM club are as follows-

Corey Pluck	Grade 7
Elise Martin	Grade 6
Angelie Dao	Grade 6
Henry Hughes	Grade 6
Keisha Joseph	Grade 7
Elexiana Reyes-Martinez	Grade 6
LJ Currie	Grade 8
Aasiyah Tarver	Grade 7
Brooke Lynch	Grade 8
Everett Exel	Grade 8
JaMyah Dombkowski	Grade 8
Azzurey Mccall Austin	Grade 7
Annabell Illacqua	Grade 8
Giovanny Soriano	Grade 8
Bibi Naib Khil	Grade 6