

GLASSBORO PUBLIC SCHOOLS
STUDENT ACTIVITIES
NEW CLUB'S MISSION FORM

Club Name 3D Printing Club (Thomas E. Bowe Middle School) Date 1/5/2026

Advisor's Name(s) Vanessa Poggioli

Type of Club

Permanent **X** Volunteer year 1 Year 2/stipend Paid

Estimate cost to conduct club (fees, etc):

Acquired through Grant Funding in 2019	
GE Applied Education Grant-1 Monoprice Voxel 3D printer & Polar Cloud software-1yr school license	\$800
Donor's Choose-filament (ABS)	\$274
Donor's Choose-tools, storage boxes	\$337
Laptop - provided by Glassboro IT in 2025	
Applying for a NJEA HIPP grant to upgrade and expand equipment.	

Mission Statement/Goals

Our goal is to provide 8th graders with the opportunity to:

- Learn how to use Tinkercad modeling and design software
- Create 3D digital models and see their creations come to life
- Practice engineering skills: teamwork, measurement, trial and error, troubleshooting
- Consider how their skills will be useful in a 21st century career

Club Officers: Michael Noble, Braydon Cianfrani, Ryan Jurich

Activities

- 1) Bi-weekly meetings to model and print students' ideas
- 2) Visits to STEAM Club to teach them 3D Printing
- 3) Team challenges to solve real-world problems

Time frame (start/finish): 1/12/26-6/1/26

Meeting Dates

Once every two weeks after school from 1/13-6/2 excluding early dismissal days.
Next year we intend to have two groups of students (fall and spring) to allow more access to 3D modeling and technology.

Where do you plan to meet? (school facilities) C-9

How will this club enrich our school/ community?

By exposing students to 3D modeling and helping them bring their creations to life, students learn practical skills and develop an interest in technology and future careers. The troubleshooting and engineering that is needed to make adjustments when prints go awry helps students build resilience and confidence in their problem-solving skills. The students in the club will serve as ambassadors to groups like STEAM Club when we share the basic elements of design with those groups. By targeting students who are not involved in other activities, we hope to develop relationships with our less-engaged students. In addition to digital modeling, I am hoping to acquire donated LEGO and Knex so that students can get better at thinking in three dimensions.

Special Needs: Activities are scaffolded so all students can participate.

GLASSBORO PUBLIC SCHOOLS

STUDENT ACTIVITIES

CLUB INTEREST FORM

New Club Name

3D Printing Club (Thomas E. Bowe Middle School)

1/5/2026

Statement on New Club's Mission:

Our goal is to provide 9th graders with the opportunity to:

- Learn how to use Tinkercad modeling and design software
- Create 3D digital models and see their creations come to life
- Practice engineering skills: teamwork, measurement, trial and error, troubleshooting
- Consider how their skills will be useful in a 21st century career

List of interested students:

1. Braydon Cianfrani
2. Michael Noble
3. Ryan Jurich
4. Gavin Dickerman
5. Keisha Joseph
6. Brayan Solorio
7. Adam Ingels
8. LJ Currie
9. AJ Logan
10. Chris Montoya
11. Everett Excel

*There will be more capacity next year with additional printers.

Advisor's Name (print) Vanessa Poggiali

Advisor's Signature _____

Date _____