Glassboro Education Foundation, Inc.

> Send the completed application to the attention of:
>
> Danielle Sochor
>
> Beach Administration Building
>
> Joseph L. Bowe Blvd
>
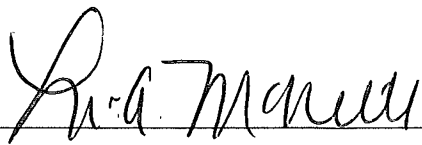> Glassboro, NJ 08028

A. General Information

Applicant(s): Lori McNeill

School: Thomas E. Bowe

Principal: Lauren Kerr

Grade Level or Subject: 6th and 7th Grade/Computers

Phone: (school) 856-652-2700 (Home): 856-535-1974

E-mail(s): lmcneill@gpsd.us
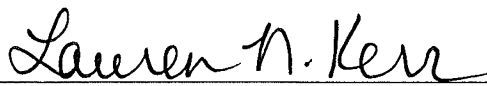
B. Statement of Assurances:

The applicant hereby assures the Glassboro Education Foundation that:

1. The applicant(s) meet(s) the eligibility criteria.
2. The activities and services for which the grant is sought will be implemented as written.
3. Any monies not expended within the school year shall revert back to the Glassboro Education Foundation, unless permission to carry it into the next school year is granted.
4. All publicity releases regarding a funded project will acknowledge the Glassboro Education Foundation and/or a particular mini-grant sponsor as the funding agency.
5. The grant recipient(s) will submit a final report summarizing the project's evaluation results.
6. The Board of Education authorizes the filing of this application.

We do hereby certify that all of the facts, figures and representations made in this application are true and correct to the best of our knowledge and that the assurances as stated above are understood and will be followed in their entirety.

_____   _____
Signature of Applicant   Signature of Principal

Please note: from this page on, please **do not include your name or your school** in any of your descriptions as all applications are coded to prevent bias.

C. Project Title and Description

Title of Project: _____ Programming with micro:bit _____

Subject Area(s): _____ Science and Technology _____

Approximate Number of Students Participating: _____ 200 Students _____

Project Starting Date: _____ January 2025 _____ Project Completion Date: _____ June 2025 _____

Need: Describe the problem or deficiencies that exist which require the improvements described.

The majority of our students do not have experiences with coding/programming. This is an important skill for all students to learn and is a vital component for increasing students' computational thinking, creativity and digital expertise in our everchanging world of technology. The micro:bit provides

students with a hands-on approach to learning how to code/program and is appropriate for students of all abilities and coding levels.

Strategy: Briefly describe your plan to alleviate the need/problem.

I would like to purchase 3 sets of micro:bits (30) for students to use in my classroom. Students would be completing hands on lessons and activities using the micro:bit at both makecode.microbit.org and code.org and learning to program the chips to do a variety of things: displaying messages, creating images, and interactive games.

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D. Objectives, Activities and Evaluation Techniques (This page may be duplicated if necessary)

Objectives	Program Activities to Accomplish Objectives	Completion Date	Evaluation Techniques
1. To engage students in computational thinking. 2. To promote digital creativity. 3. Students will be able to write a correct algorithm/program to produce an outcome on the computer chip. 4. Students will be able to test, run, and debug an actual program.	1. Students will complete the introductory tutorials at https://makecode.microb it.org/ 2. Students will complete various activities/lessons at https://makecode.microb it.org/ 3. Student will complete the Physical Computing Unit at code.org which will allow them to further explore the capability of the micro:bit.	June 1, 2025	*Daily Journal *Final Project Rubric *Working prototype/micro:bit was successfully programmed

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E. Itemized Budget

Materials/Equipment		Services		Evaluation Techniques	
Item(s)	**Cost**	**Item(s)**	**Cost**	**Item(s)**	**Cost**
BBC micro:bit v2 Club Pack (10x)	177.95				
BBC micro:bit v2 Club Pack (10x)	177.95				
BBC micro:bit v2 Club Pack (10x)	177.95				
Amazon: https://www.amazon.com/gp/product/B0BNK78JZS/ref=sw_img_1?smid=AVB2H89GQJZIQ&psc=1					
	Subtotal $533.85				
	Tax $35.37				
Sub-total:		**Sub-total:**		**Sub-total:**	
				Grand Total	**$569.22**