

Application Form

Questions

Things to Remember:

- Projects must be creative and innovative.
- Educators may **submit 2 separate requests** for funding.
 - Project requests cannot supplement each other.
 - ♣ Example: One project requests \$500 for colored pencils, paint and markers. The second project requests \$500 for notebooks, easels and canvases.
- **DO NOT INCLUDE ANY** identifying information in any part of the application.
 - This includes school, teacher, mascots, Title I status, school annuals or newspapers, etc.
 - Please make sure the school name does not appear on any uploaded documents.
 - ♣ *In fairness to all applications, the inclusion of such information will result in the request being eliminated.*
- **Projects Typically Not Funded:**
 - Subscription based programs that need funding each year.
 - Speakers' fees will not be considered.
 - Party food and consumable items.
 - Band/Sports uniforms.

Grade Level*

10, 11, & 12

Subject Area*

Biology
Environmental Science

Project Name*

Graphing our Success

Project Summary*

Give a 1 to 3 sentence summary of your project proposal.

An overall student need in the areas of creating, reading, and analyzing graphs and charts in science has been identified via standardized testing results. I want to introduce a fun, hands-on method of creating class graphs directly from scientific experimentation and one-on-one stations for students to become comfortable graphing data and learning to interpret the results directly from the graph or chart. Additionally, I want to begin Graph Day and start each class on Fridays with a teacher-created quick graph analysis.

Project Narrative*

1. Provide a detailed description of this instructional unit and project.
2. What makes this project creative and innovative?

Students in high school must become proficient in the creation, reading, and analyzing of various graphs (bar, line, double bar, double line, and scatter plot) and charts (pie and data sets). This skill is needed in both mathematics and science courses and additionally incorporates reading skills in the area of technical writing. With the right equipment I believe my students will become comfortable in this high need area and boost not only their test scores but increase their success in future science and mathematics courses in post-secondary settings. Graphing can be a fun and satisfying activity with the right equipment and scientific experiment scenarios. Collecting data and communicating results is an integral part of scientific experimentation. It is my hope that this graphing instructional unit will be fun, engaging, and successful in increasing student achievement in the areas of science, mathematics, and technical reading and writing.

I believe this project is creative in that it uses student led scientific experiments to create data that will be graphed, charted, and analyzed. The innovation is using a large whole group graphing apparatus to involve all students in Friday Graph Days and student station graph boards to provide individualized hands-on experience graphing with every experiment we complete throughout the year. Additionally, chalk markers are a fun and engaging way that students can record data on lab tables while we are experimenting. Students will also learn the primary components of graph creation such as independent and dependent variables. Some of the experiments we will conduct include modeling equilibrium, monthly weather data, environmental pollutants and their effects on plants, testing which fertilizers help plants grow, rates of photosynthesis under various colored light sources, and counting bacterial colonies that grow in various medias.

What is the timetable for this project?*

When will the project be started? What is its duration? What is the anticipated completion date during the school year? Please remember your final report on this project is due no later than May 20, 2023.

November 2022
November-May 2023
May 15, 2023

Number of students served by this grant:*

152

Amount Requesting*

Please be sure that this amount matches the total requested amount in the spreadsheet you upload below.

\$500.00

Budget*

Click on [this budget link](#) and you will be taken to a separate page. You will find an Excel form where you will list items needed for your project, including the quantity needed, cost, and anticipated vendor.

Save a copy to your computer prior to and after completing. When you have finalized your items upload the form to your application.

The form is designed to calculate the total cost. **Do not attempt to enter any data in the TOTAL Column.**

If the Grand Total is more than \$500 please explain your source for the additional funding in the comments section below.

Graphing Our Success Budget Sheet.xlsx (Attached to this document)

Items Being Purchased*

Please provide reviewers with some information about the item(s) being purchased. Check all that apply.

Will be a new item in my classroom

If items are available through BOE, please explain why you need funding for this item.*

If not applicable, type NA.

NA

Optional Materials

In this section, you may list or upload items which you deem necessary to present a complete picture of your proposal.

Please do not upload pages of digital catalogs with numerous items which are not part of your request.

If you have more than one document please combine into one file using a scanner, or compress the files into a zip folder before uploading.

Application Affirmation Statement*

I certify that the information in this application is, to the best of my knowledge, complete and accurate. I understand that false statements on this request will disqualify me, the applying educator, from receiving a Students First mini-grant. Additionally, I understand the information submitted in this document may be shared with the review committee and the Beckley Area Foundation's Board of Directors. If selected as a recipient, Beckley Area Foundation has permission to use photographs and any general non-financial information, included in the mini-grant final report for publicity purposes in both print and electronic form.

Yes

Students First Budget
 Project Name: Graphing Our Success

Auto calculates do not change

Product Description	Vendor	Quantity	Amount	Total
Write & Wipe Graphing Boards for students set of 30	Lakeshore Learning mat	1	39.99	39.99
1/4 inch Graph Paper 500 Sheets	Lakeshore Learning mat	1	12.99	12.99
Chalkola Fine Tip Chalk Markers Bold Color Dry Erase 10-pack	Amazon	3	14.99	44.97
2 sided Write & Wipe Board (2 inch grid) for Presentation	EAI Education	1	199.95	199.95
Modeling Equilibrium Super Value Kit	Flinn Scientific	1	38.97	38.97
Weather Center	Flinn Scientific	1	48.05	48.05
Introductory Bacteria Student Lab Kit	Flinn Scientific	1	55.09	55.09
Blue Cellophane Roll 20 by 25	Flinn Scientific	1	19.67	19.67
Green Cellophane Roll 20 by 25	Flinn Scientific	1	20.16	20.16
Red Cellophane Roll 20 by 25	Flinn Scientific	1	20.16	20.16
				0.00
				0.00
				0.00
Shipping and Handling Costs Total				0.00
GRAND TOTAL				500.00

START HERE:

Instructions for Budget Sheet

This Excel form is intended to be used by all applicants to have comparable budget sheets for review. **DO NOT** use any other formats.

1. Save this form to your computer before you get started. If your computer opens it in protected view, then you must click Enable Editing to save and edit the form.
2. This form is designed to calculate the total cost. Do not attempt to enter any data in the green TOTAL Column. We do not want rounded amounts. Use exact figures.
3. List items needed for your project, including quantity needed, cost, and anticipated vendor in the appropriate column. All columns must be completed.
4. Enter total shipping and handling for all products as one amount in the gray box.
5. If the Grand Total is more than \$500, please explain your source for the additional funding in the Budget Comments section of the application.
6. When you have finalized your budget sheet, save one last time and then upload the form to your application.

If submitting 2 requests, make sure your budgets are uploaded to the appropriate application.

If you have any questions, or need a budget sheet with more rows, please email rebecca@bafvw.org