ABOUT YOUR PROJECT

Please answer each of the following questions. If more space is needed, please attach extra pages. Please avoid using names of specific teachers and/or schools in your responses as all grants are blinded for review.

PROJECT TITLE: STEAM Lab

PROJECT DESCRIPTION

1. Briefly describe the project, please include the project's goals and how they will be attained and measured.

In this STEAM Lab project, students will explore the world of physics and engineering using the interactive game Gravitrax. This project will focus on the 4C's of STEM: Critical thinking, Creativity, Collaboration, and Communication, as students design and construct their own marble run tracks. Goals will be obtained and measured through engagement, exploration, and observation.

Innovation and Enhancement of Learning

2. Explain what makes this project innovative. How will assist you in meeting the needs of our students? Please be specific and provide data to support the need if possible.

By engaging in this Gravitrax Marble Run Adventure, students will gain hands-on experience with physics and engineering principles while building essential skills in critical thinking, creativity, collaboration, and communication. This project is designed to inspire a love for learning and exploration within the STEAM fields, preparing students for future educational pursuits. This project will provide ways for students to increase their analytical reasoning skills that will transfer into daily lives and learning.

AUDIENCE & SUSTAINABILITY

3 (a). Describe the student population targeted by this project. Might this project be repeated with new students in future years? Explain.

This project will benefit the students in my classroom as part of our daily learning, but I will also be able to implement this across the school for STEAM Night and other enrichment activities in the building.

3 (b).How many students will be served?

27 on a regular basis

500 for school events

PROJECT EVALUATION

4. How will you evaluate the success of this project? What data, criteria, assessments, surveys, statistics or other measures will you use to assess its impact?

To determine the success of the Gravitrax Marble Run Adventure, I will use several evaluation measures to assess the project's impact on students' learning and development in the 4C's of STEM. The measures will include performance and observation of critical thinking, creativity, collaboration, and communication through students' problem-solving strategies, originality in design, teamwork dynamics, timing, and presentation skills. I will also implement student surveys to gather feedback on their experiences, engagement levels, and challenges.

By utilizing these evaluation methods, we aim to gain a comprehensive understanding of the project's impact, guiding future enhancements of the Gravitrax Marble Run Adventure. This approach ensures that students receive the best possible learning experience while fostering a passion for STEAM disciplines.

BUDGET

5. Please provide the following information for the items you intend to purchase for this project (please include shipping costs, if applicable). If some of the items you will use to carry out this project are being paid by using funds from sources other than the GEO Grant (i.e., the school district, other grants, etc.) please include these items but enter zero (0) for the amount. This will let the reviewers know that the project is completely sustainable even if the Foundation is not financing the entire budget. Attach additional pages if necessary. Briefly describe any items that may be unfamiliar to the application reviewers.

Please consider your "ideal" request and also what you would be willing to accept if funds are limited. (For example, if 20 items for your classroom is ideal, but you would accept 5 or 10 and have students work in groups please indicate that below.)

	ITEM	UNIT PRICE	TOTAL	TOTAL* (if you will accept less based on funds available)
1	Gravitrax Starter Sets – 12 sets	59.77	760.32	7 sets @ 443.52
2	Gravitrax Expansion Bridges - 6 sets	29.75	189.24	4 sets @126.16
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
		BUDGET TOTAL:	949.56	569.68

IMPORTANT NOTE: In order to ensure that projects including technology are priced properly, employees requesting technology or technology related items must submit prices for review to Adam Swinchock, Director of Instructional Technology. **Technology proposals without his signature will not be considered by the committee.** Please also consider allowing for a 2-4% increase in pricing as pre-holiday prices typically increase in the new year when we are purchasing the items.

Required for proposals including technology items:

Signature: _____ Date: 1-7-26