

# STEM Curriculum

## Collaboration

### Proposal Debrief

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# Proposal Overview

## Project Title

STEM Curriculum Collaboration

## Justification

- PD experience will give me an opportunity to gain more respect and establish myself as a resource for teachers, and hopefully, a leader.
- I believe we could make STEM curriculum collaboration happen at my school with more time and support built into Summer PD.

## Audience

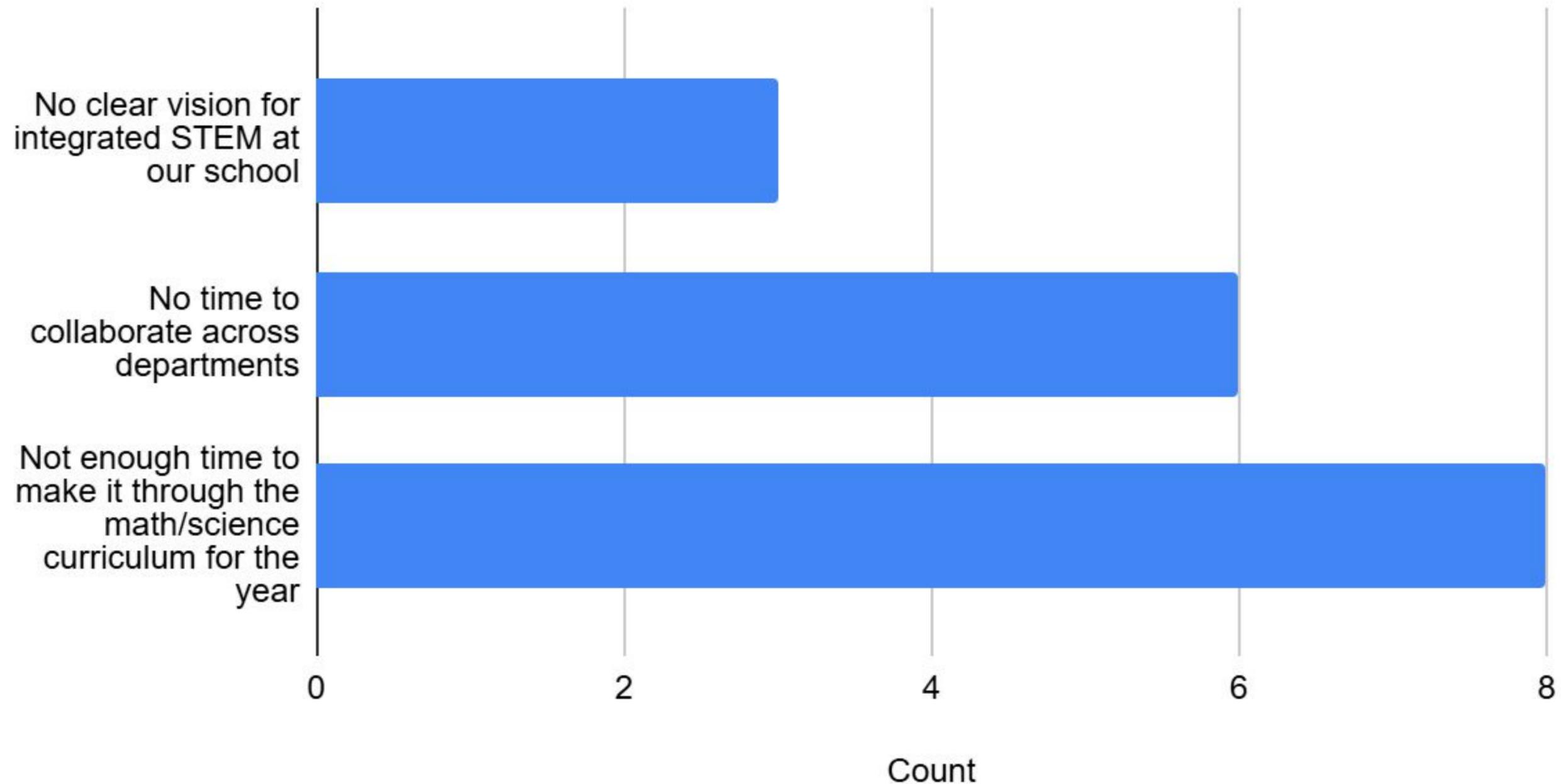
- Presented to the Math Department
  - 2 6<sup>th</sup> grade math teachers, 3 7<sup>th</sup> grade math teachers, 3 8<sup>th</sup> grade math teachers, 2 special education math teachers
- Presented separately to 1 6<sup>th</sup> grade science teacher

# Summary of Project

- Presented a proposal to the Math Department to have Summer Professional Development time to collaborate with the Science Department
- Shared about the value of Integrated STEM Lessons
  - Investment from students - real-world connections are clearer
  - More realistic to the real-world where content is not siloed
  - More efficient teaching concepts simultaneously
- Spoke about roadblocks about STEM teaching
  - No clear vision for STEM as a school
  - Lack of collaboration
- Shared my 5E Lesson Plan from "Methods of STEM Education" course
  - Included examples of NASA data from my integrated lesson plan
  - Linked other data that teachers could use to inspire their lessons

# Survey Results

What is currently preventing you from having STEM integrated lessons in your classroom? (Select all that apply.)



# Reflection

## Data

On a scale of 1 (Not Valuable) to 5 (Very Valuable) ...

- How valuable do you believe STEM Integrated Lesson Plans are for students?
  - **Average: 5**
- How interested are you in creating STEM Integrated Lesson Plans?
  - **Average: 4.45**
- How interested are you in having Summer Professional Development time set aside to create STEM Integrated Lesson Plans?
  - **Average: 4.91**

## Comments

- What is **exciting** to you about creating or using Integrated STEM Lesson Plans?
  - It would be exciting to see the students making connections between science and math curriculums.
  - It would be nice to work with a science teacher to get a different perspective and bring something different to the creation of lessons.
- What **concerns** do you have about creating or using Integrated STEM Lesson Plans?
  - It could be difficult to cover the entire curriculum while also using Integrated STEM lesson plans. There would have to be enough common planning time.
  - I won't have enough support.

# Updated Proposal

- Proposal to Administration: Summer ~~Professional Development~~ Curriculum Hours time for Math and Science Departments to collaborate
  - Math and Science teachers are invested in the idea, but would like to be paid for their time and hard work writing a STEM Integrated curriculum