

Proposal by **Mandy Fuller** for approval by the **Little Lighthouse Foundation**.

STEM Discoveries

Overview: A once a month event held at The Motivational Edge to encourage interactive and hands-on outside of classroom learning within the science and STEM fields. Children, approximately between the ages of 7 and 14, will gain crucial skills and grow their understanding of concepts quickly expanding in importance throughout modern society. Each month may target different learning outcomes within the sciences and will be taught by a consistent group of dedicated student volunteers.

Rationale: Unfortunately, young kids often lack exposure to fun and immersive learning styles across the sciences and STEM branches of study. The goal of STEM Discoveries is to introduce kids to foundational concepts related to chemistry, engineering, robotics, and more so that they may be more prepared for other incredible opportunities in the future.

How: I am more than capable of effectively carrying out this program for 2 reasons, the first being my current job position. I am a staff lead at an afterschool and summer camp facility called Code Ninjas. This franchise's mission is to motivate student growth in coding and engineering. As an employee for 2 years thus far, I have learned how to capture the attention of a room of young kids and facilitate a lesson on simple JavaScript coding through numerous software programs. I have also taught both robotics and drone related classes and could not be more excited to share this knowledge with a new group of amazing kids. That said, the second reason I know I can turn STEM Discoveries into a success is because I have an entire group of enthusiastic Science Honor Society members ready to support the program. As President of this Honor Society, I can mandate a requirement to assist in teaching the STEM Discovery events. Thus, there will never be a shortage of excited, prepared, and knowledgeable volunteers happy to assist in the program's execution.

Key Points:

- Once a month (Ex. first Wednesday of every month)
- Staffed by Science Honor Society student volunteers
- Curriculum has already been developed and adapted for young understanding
- Simple, fun, and captivating for kids
- Covers important foundational concepts necessary for growing minds
- Program is of no cost or burden to the Little Lighthouse Foundation as all preparations and materials will be funded by Mandy Fuller and associated volunteers