



CHAPTER Handbook 2019-2020

STEM &
Buds

Our Purpose

We believe that, together, we can give young students the opportunity explore and delve into the forefront of STEM. In the hopes of broadening our reach and truly making an impact, we are reaching out to all passionate high school students looking to make a difference in their community.



Why It Matters

With your help, we can increase the availability and affordability of STEM programs in our communities and have a remarkable impact on children's lives.



A study by the Charles Stewart Mott Foundation shows that more than 70% of students participating in STEM-focused after school programs reported increased interest in STEM careers and important gains in 21st century skills.



A research paper by the After School Alliance reports that 50% of children from low-income households not participating in an after school activity would be enrolled if one were available to them.



A report by the Robert Wood Johnson Foundation states that 56% of low-income families say the cost of after school programs was a factor in their decision not to enroll their child



Us

As a STEM & Buds chapter, we would provide you with the necessary lesson plans, documents and worksheets, materials for activities, and funding to run a successful program.



You



Together

Each chapter would have a team leader who acts as the chief communicator with STEM & Buds and be responsible with coordinating and recruiting mentors, ensuring an adviser, and signing up kids.

Throughout the process, we will work with you to help the program run as smoothly as possible. As part of the binder you will receive, you will find advice and helpful tips that we have gained through our own experiences. Further, we will provide templates for forms, emails, and announcements you may need to send. If any issues or questions would arise, our team will be available and ready to assist!

Funding



STEM & Buds, through the help of our sponsors and resources gained through fundraisers, will provide all needed materials for our chapters. If any chapter would like additional resources for more activities and sessions, our team will gladly assist in any way we can.

Binder



Our organization has compiled 2 chapter binders for grades 4 & 5 and grade 6 programs. These binder include detailed lesson plans and teaching strategies, all print-outs and worksheets, and documents linking pictures, videos, and online resources that our team may have shown at initial chapters.

At the end of each program, every chapter holds a small "science-fair" where students can present their projects to classmates, teachers, and parents. As an organization, STEM & Buds will provide funding and help coordinate this event.

Logistics	
Sessions	9
Students	10-20
Teachers	5-10
Hours	1.5 per session

Each chapter is responsible for hosting 9 sessions a year, with the first 3 dedicated towards exploration of engineering, psychology, math, computer science, biology, and chemistry. During the next 3 meetings, students will delve into problem solving, creative thinking, and innovative reasoning through research and brainstorming activities. Through the final 3 sessions students will execute their projects and experiments create their presentations. Depending on the size of each chapter and students' progress, additional sessions are recommended and can be added!

Get Started

For more information:

- visit stemandbudspa.org

For questions or an application to start a chapter:

- complete the contact form on our website

- email us at stemandbudspa@gmail.com

