

MindSET FAQs

What is the TBP MindSET Program?

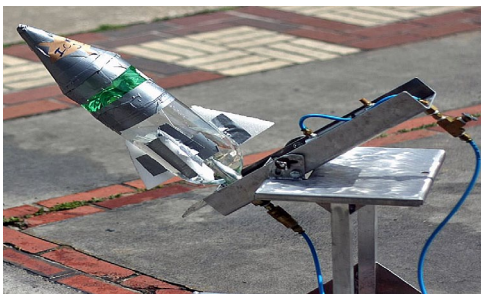
MindSET is designed to get K-12 students interested in careers in the STEM disciplines. The program focuses on using hands-on learning techniques to help K-12 students understand math and science concepts and see how they can be applied in the real world. MindSET provides teacher training, parent workshops, and student modules to help students prepare to study math and science in college.

Which students does MindSET target?

MindSET is open to all students and participation is free. The MindSET program primarily targets students who need additional support to complete higher-level math and science courses, and to provide motivation to excel in math and science. MindSET is also designed to engage women, minorities, and other populations that are under-represented in the STEM disciplines.

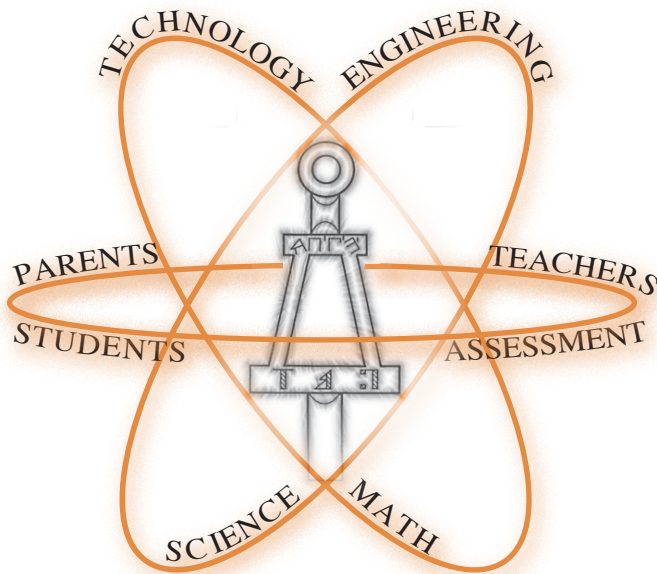
How can I get involved?

- Start a MindSET project at your chapter
- Help support a MindSET program — volunteer your time or provide funding
- Encourage K-12 students to participate in the program
- Help design new student modules
- To get involved, email TBPMindSET@tbp.org

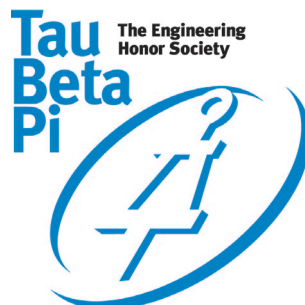


Contact the Tau Beta Pi Association at TBPMindSET@tbp.org or 800/TAU-BETA.

The MindSET Program is modeled on the GatorTRAX Program, funded by the GE Fund, and developed at the University of Florida College of Engineering.

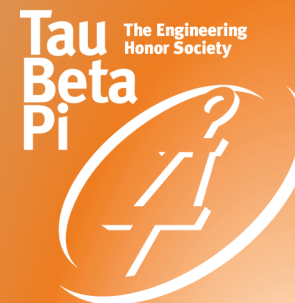


<http://tbpmindset.org/>



www.tbp.org

The Tau Beta Pi Association, Inc.
International Headquarters
The University of Tennessee
P.O. Box 2697
Knoxville, TN 37901-2697
Phone: 865/546-4578
Fax: 865/546-4579
Email: tbp@tbp.org




MindSET

K-12 Math & Science Program

In partnership with participating school districts, **Tau Beta Pi** offers the **MindSET Program** to establish and support math and science intervention programs that contribute to the enhanced preparation of K-12 students.

TBP K-12 PROGRAM



Tau Beta Pi is aware of the challenges faced by students in the United States, with respect to their preparation for careers in Science, Technology, Engineering, and Mathematics (STEM) disciplines.

In response, Tau Beta Pi is offering a National K-12 Math & Science Initiative to help address these challenges by engaging the creativity and resources of Tau Beta Pi members. With chapters and motivated members across the nation, Tau Beta Pi is well positioned to make a positive impact on K-12 students and future engineers through the **MindSET Program**.

To date, activity sessions have been hosted in 22 states for nearly 2,500 K-12 students and more than 200 teachers.

Mission

The MindSET program's mission is to establish and support math and science intervention programs that contribute to enhanced preparation of students in the K-12 system, thus enabling them to pursue careers in STEM disciplines, preparing them for competitive success in the global marketplace, and equipping them for driving the nation's economy.

<http://tbpmindset.org/>

Goals

The primary MindSET goal is to increase the number of students in the K-12 system that successfully complete higher-level math and science courses prior to graduation from high school. Specifically, more 8th graders must complete Algebra 1 and more 12th graders must complete calculus.



Objectives

The four primary objectives of MindSET are:

- Support teams or individual chapters in implementing K-12 projects.
- Provide training and support for K-12 math and science instructors.
- Develop and provide programs to assist parents in improving their understanding of student needs and educational system issues.
- Identify funding sources to support the program.

Components

Teacher Development

- MindSET offers teacher training sessions that expand K-12 instructors teaching methods to include kinesthetics.
- K-12 schools select the training dates and Tau Beta Pi organizes and funds the training sessions.

Parent Development

- MindSET volunteers hold workshops for parents to learn how to better help their children succeed in the classroom.
- Typical 1-hour workshop focus on topics such as:
- Getting organized for school & homework
 - College Knowledge 101
 - Time management for highly effective students
 - Motivating and helping with homework
- Workshops are free and open to all K-12 parents.

Student Development

- MindSET volunteers host lab sessions using modules that teach K-12 students math and science concepts and then apply those concepts to hands-on activities.
- Module activities include: building a bridge, designing a catapult, and making a water bottle rocket.
- Lab sessions are free for students, and parents are welcome to attend.

MindSET Results

- MindSET encourages K-12 students to participate in and request activity sessions at their school. MindSET works with teachers and administrators to track the progress of participating K-12 students to ensure the program is achieving its goals.

