

ABOUT STARBASE 2.0:

STARBASE 2.0 is a multi-year creative immersion in STEM concepts (science, technology, engineering, and mathematics) through hands-on science and engineering activities and projects. STARBASE 2.0 participants explore what it means to be an engineer, experiencing the entire process from the design and manufacture of their prototype to its testing and redesign. Student participants use their scientific reasoning to make design decisions in collaborative projects. STARBASE Louisiana brings its materials and staff to participating schools along with STEM mentors from the Barksdale and Shreveport-Bossier communities. Together we encourage the students' STEM explorations and seek to deepen their understanding of the topics explored.



CONTACT INFORMATION

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STARBASE Louisiana

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INTERESTED IN MENTORING?



Complete an application online at

[Tinyurl.com/SB2019VMapp](https://tinyurl.com/SB2019VMapp)

Scan the QR code at left to complete the application on a mobile platform.

NOTE The application may not be available from computers on the USAF network.

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OUR MISSION:

**PREPARE THE NEXT
GENERATION TO BE
INNOVATORS OF THE 21ST
CENTURY WORKFORCE.**



Investigate

Conduct experiments in topics such as Newton's laws, the engineering design process, aerodynamics and much more!

Innovate

Use computer-aided design (CAD) software to develop and manufacture projects with 3D printers, laser engravers, and other technology!

Collaborate

Work as a team to complete an engineering design project and compete against peers for top prizes!

Celebrate

Acknowledge success, creativity, perseverance, and teamwork with the completion of engineering projects!

RESPONSIBILITIES OF A MENTOR:



- **Serve approximately 3-6 hours per month,** depending upon the commitment level you select
- **Work closely with a small group of about 4 students**
- **Encourage and motivate participants**
- **Assist with STEM investigations & give real life examples**



There are many options to fit your schedule and preferences:

- in-school or afterschool
- weekly or biweekly
- middle or high school

THE ROLE OF MENTORS

Our mentors form a relationship with a small group of students who can rely on their mentor's presence, dedication, and encouragement as they complete their STEM investigations.

A strong mentor presence enriches the program and increases students' interest by helping them make connections between academic concepts and the real world. Research demonstrates the benefit of having STEM professionals serving as positive role models in the lives of young adults.

Source: The Mentoring Effect-<http://www.mentoring.org>



FREQUENTLY ASKED QUESTIONS:

- **Do I need to be a STEM expert?**

No! All you need is an enthusiasm for learning and for working with students.

- **Would I have to teach or provide anything as a volunteer mentor?**

No, mentors are only asked to support students in their investigations. STARBASE directs content and provides all materials.

- **Why should I volunteer as a mentor?**

You make STEM relevant and fun!
Community involvement is also crucial in building a professional portfolio.

- **When and where are the meetings?**

STARBASE 2.0 meets with students Monday through Thursday. You will be assigned to the group that best fits your availability, your preferences, and the needs of the program. The following options are available: day of week, in-school or afterschool, weekly or biweekly, and middle or high school.

- **What if I am unsure how much time I can commit?**

STARBASE Louisiana has many service opportunities, including short-term and one-time options. If you are concerned about your availability, please contact us to learn more about other service opportunities.