

ABOUT STARBASE 2.0:

STARBASE 2.0 is a 3-year creative immersion in STEM (Science, Technology, Engineering, and Mathematics) concepts 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. Participants will 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 who encourage students' exploration and seek to deepen their understanding of the topics explored.



CONTACT INFORMATION

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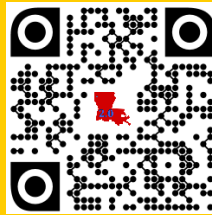
Email the Coordinator

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INTERESTED IN MENTORING?



Complete an application online at
<http://goo.gl/forms/xh4XXYilzK>

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 AF network.

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The next phase in STARBASE STEM outreach!

CONTINUING OUR MISSION OF PREPARING THE NEXT GENERATION TO BE THE 21ST CENTURY WORKFORCE.



Investigate

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

Innovate

Use computer aided design (CAD) software to develop and manufacture projects on 3D printers!

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!

THE ROLE OF MENTORS

Our mentors form a relationship with a small group of students who rely on their presence as they complete their 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>



RESPONSIBILITIES OF A MENTOR:



- **Serve approximately 3 hours total per month** (at either 4 in-school sessions or 2 afterschool sessions)
- **Work closely with a group of 2 - 4 middle school students**
- **Encourage and motivate participants**
- **Assist with STEM investigations & give real life examples**

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?**

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

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

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

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

You can choose to volunteer on either Tuesday, Wednesday, or Thursday at one of three partnering middle schools in Bossier City.

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

We will find a way to fit your personal schedule, even if it is for a short time frame.