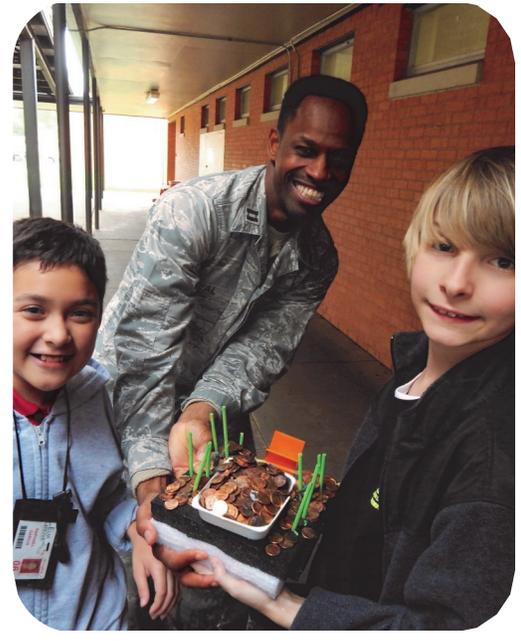


## The next phase in STARBASE STEM outreach!



### STARBASE 2.0 OVERVIEW

- **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!

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

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 design, manufacture, test and redesign a prototype. Participants will use their scientific reasoning to make design decisions in collaborative projects. STARBASE Louisiana brings materials and staff to your school, along with STEM mentors from the Barksdale and Shreveport-Bossier communities who will encourage students' exploration and seek to deepen their understanding of the topics explored.

## The next phase in STARBASE STEM outreach!

### RESPONSIBILITIES OF MENTORS

- Serve approximately 1.5 hours two days a month
- Work closely with a group of 4 middle school students
- Encourage and motivate participants
- Assist with STEM investigations by giving real life examples

### FOLLOW US ON SOCIAL MEDIA!



Search for StarbaseLA2.0

### 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>*

