K-12 STEM Education plays an important role in the success and economic longevity of the Gulf South region.

THE CENTER FOR K-12 STEM EDUCATION USHERS IN THE NEXT GENERATION OF ENTREPRENEURS, ENGINEERS AND SCIENTISTS.

LEADING THE WAY

The Tulane University Center for K-12 STEM Education has helped educate and inspire thousands of middle and high school students and teachers. From courses and workshops for students to professional development for teachers, the center offers diverse activities during the academic year and throughout the summer.

- **Tulane Science Scholars Program** provides hands-on educational opportunities and course credit to 10th-12th grade students who have exceptional talent in science, mathematics, engineering and biology.

- **Girls in STEM at Tulane (GIST)** gives 5th grade girls opportunities to work with women role models in STEM fields through workshops developed by Tulane faculty.

- **Core Element** aims to improve student achievement and interest in STEM subjects by providing training and resources to local K-12 teachers by partnering with Tulane for STEM content. Core Element has provided year-round professional development to 181 elementary school, 102 middle school and 126 high school teachers.

- **The Perry Initiative** is a national program that encourages high school girls to enter the female-deficient fields of engineering and orthopaedics. By partnering with Tulane, workshops and presentations from medical and engineering professionals and faculty are offered on campus annually.
The Center for K-12 STEM Education provides year-round support, from undergraduate mentors to alumni volunteers to hosting events, for student participation in regional and national programs.

- **Greater New Orleans Science and Engineering Fair** is held annually and is open to all 6th-12th grade students in Jefferson, Orleans, Plaquemines and St. Bernard parishes.

- **FIRST® LEGO® League** offers middle school students opportunities to design, build and compete with a robot constructed of LEGO®s.

- **FIRST® Robotics Competition** is referred to as “the varsity sports for the mind” for high school students. Teams of 25 work together to raise funds, design team brands and program robots to perform prescribed tasks in rigorous, arena-based competition.

**NOW IS THE TIME TO INVEST IN STEM EDUCATION**

“These programs are effective platforms for teaching students how to apply science and technologies such as physics, electronics and computer science. Tulane’s involvement increases the likelihood that they will pursue STEM educations and careers.”

– Richard Mayer

*Member of the School of Science and Engineering Board of Advisors
Retired senior technology associate, Dow Chemical Company*

Your support for K-12 STEM Education and programming at Tulane University provides a bright future for Louisiana students and ensures the prosperity of the Gulf South region. There are many ways to support the center, through the endowment fund, stipends, scholarships, incentive support and even naming opportunities.