

EAST LAKE MIDDLE SCHOOL

The Middle Grades Engineering Gateway to Technology (GTT) program, based on Project Lead the Way curriculum, features a project-based curriculum designed to challenge and engage the natural curiosity of middle school students. They are taught to use the design process to solve problems and understand the influence that creative and innovative design has on our lives. The knowledge students gain and the skills they build from the GTT program create a strong foundation for further STEM (Science, Technology, Engineering and Mathematics) learning in high school and beyond.

ELMS students will adhere to a modified school uniform dress code. ELMS offers electives and extra-curricular activities in which all students can participate. We offer a variety of electives: Band, Orchestra, Digital Art, Foreign Language classes in Chinese and Spanish. Even though we do not have interscholastic athletic teams, we have a variety of clubs such as Robotics, STEM Academies, News Crew, STEAM Girls, Boys GEAR Club, and Yearbook. ELMS also has organizations such as Student Council, National Junior Honor Society and Principal's Multicultural Committee. Our students compete in a variety of academic competitions such as Math Counts, Mighty Mu, Quiz Bowl and Battle of the Books. East Lake Middle School is the number 1 ranked middle school in Pinellas County and ranked number 9 out of 579 middle schools in the state.

EAST LAKE MIDDLE SCHOOL ACADEMY OF ENGINEERING

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Tarpon Springs, FL 34688
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www.pcsb.org/eastlake-ms

Special thanks to

Pinellas Education Foundation
Honeywell
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Foundation, Inc.
First Step Robotics, Inc.
Project Lead The Way
Rochester Institute of Technology



Vision: 100% Student Success

Mission: "Educate and prepare each student for college, career and life."

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Brochure information is subject to change.

EAST LAKE MIDDLE SCHOOL



PROJECT LEAD THE WAY

GATEWAY TO TECHNOLOGY



ELMS program of study

THE CHALLENGE

There are currently 1,300,000 engineering and engineering technology jobs available in the U.S. without trained people to fill them.

OUR ACADEMY OF ENGINEERING

- Strengthens the core curriculum (English, science, social studies, math) including Advanced Academics for students in the gifted program.
- Offers a pre-engineering, technical career-based and High School preparatory program.
- ELMS creates a dynamic partnership between the local community and industry to provide real world problem-solving in our classrooms.

HIGH STUDENT EXPECTATIONS

- Understand technology as a tool for problem-solving.
- Understand the scientific process, engineering problem-solving and the application of technology, engineering programs and technical careers.
- Understanding technological systems as they interface with other systems.
- Use of mathematics principles in their application to problem-solving.
- Communicate effectively using reading, writing, listening and speaking skills.
- Demonstrate the ability to be creative, leading to innovation. Innovation drives our economy.
- Develop critical thinking and problem-solving skills
- Must maintain a 2.0 GPA with no more than 2 F's per grading period and no F's in Engineering



EAST LAKE MIDDLE SCHOOL COURSE OFFERING INCLUDES:

- Design & Modeling
- Automation & Robotics
- Energy & the Environment
- Flight & Space
- Magic of Electrons
- Science of Technology
- Project Lead the Way-Gateway to Technology program offers a challenging and relevant curriculum

PINELLAS COUNTY COMMUNITY BENEFITS

- Well-educated graduates of high school who are prepared for postsecondary education and technical work.
- An opportunity to work with and influence the local educational system through community and industry partnerships.
- Introduces students to engineering, which is part of everything around us. The work of engineers and engineering technologies is vital, stimulating, profitable, creative and abundant.
- Provides strong math and science skills plus the ability to read and write well, to think and reason, and to explain complex concepts for our children who express an interest in entering the world of technology.
- Provides relevance to learning through the application of academic classes.
- Reverses the decline in classes that allow students to apply their understanding of science, math and technology.

For more information, contact Karen Huzar at huzark@pcsb.org or call (727) 940-7624.

East Lake Middle School Academy of Engineering will prepare students to be college and career ready and have the skills to compete in a global economy.