

## Why is STEM Important?

- 2005 – Report of the U.S. National Academies of Science, Engineering, and Medicine: <sup>1</sup>
  - emphasized the “links between *prosperity, science* and *technology jobs*, and *continued innovation* to address societal problems.”
  - predicted “*dire consequences*” if the country could not compete in the global economy as the result of a *poorly prepared STEM* workforce.”
- 2006 – International study indicated that the United States comparatively ranked the US as 21st out of 30 countries, on assessments of scientific competency and knowledge. <sup>2</sup>
- 2022 – International study results ranked the US as 18th out of 81 countries overall. <sup>3,4</sup>

### US Worldwide Test Score Rankings 2022

- **Math Rank: #34**
- **Science Rank: #16**

### Falling Behind Key Competitors and More:

- **US behind China, Japan and Europe in Science & Math**
- **US also behind countries like Vietnam & Latvia in Math**

1 – <https://www.britannica.com/topic/STEM-education/STEM-education>

2 – <https://www.oecd.org/en/data/datasets/pisa-2006-database.html>

3 – [https://www.oecd.org/en/publications/pisa-2022-results-volume-v\\_c2e44201-en/full-report.html](https://www.oecd.org/en/publications/pisa-2022-results-volume-v_c2e44201-en/full-report.html)

4 – <https://www.datapandas.org/ranking/pisa-scores-by-country>

## How You Can Help

- Donate at: [www.stemorigins.org](http://www.stemorigins.org)
- Volunteer as a STEM Mentor & Coach
  - Speak to classes about what you do and your real world creative problem solving experiences.
  - Serve as a design mentor or judge for local students in the Invention Convention.
- Volunteer to serve on our many committees, teams, and staff positions

## Contact Us



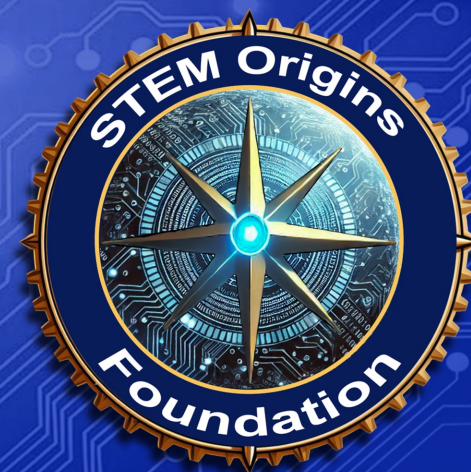
- Contact us at:  
Email: [info@stemorigins.org](mailto:info@stemorigins.org)  
Phone: (850)-733-7168
- For more information visit our website at [www.stemorigins.org](http://www.stemorigins.org)



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# The STEM Origins Foundation

*Supporting STEM students and teachers at every level of the academic ladder, from Kindergarten through College*





## About Us

The STEM Origins Foundation is a 501(c)(3) nonprofit organization located in Bay County, Florida.

Our mission is to support local education in science, technology, engineering, and mathematics (STEM) with projects that inspire students and teachers at every level of the academic ladder from Kindergarten through College.



Our intent is to increase the quantity, quality, and diversity of STEM students graduating from high school and college.

Our approach is to start our engagement with students in early childhood (K-5) to stimulate interest and ignite passion in STEM topics and then continue our engagement through middle, high school, and college with increasingly sophisticated activities.



## Programs



- **STEM Kits for Class:** These kits offer hands-on experiences that make the lessons real and broaden the students' access, exposure, and understanding across multiple STEM areas.



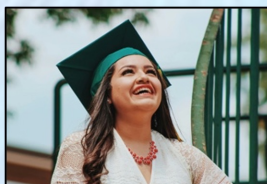
- **STEM Summer Camps:** These STEM camps provide extended learning environments and special hands-on experiences for the students. Our program provides funds to expand the access to these camps for students who would not otherwise be able to attend.



- **STEM Awards:** We routinely recognize those students which excel beyond the norm and serve as outstanding examples and role models for others to follow.



- **STEM Mentors & Coaches:** We recruit STEM professionals to support STEM students at all levels. They serve as coaches and mentors for students in the Invention Convention process, sponsored by the Henry Ford Foundation, as well as interactive classroom events, school Career Days, and much more.



- **College Scholarships:** This program provides college scholarships to students pursuing STEM degrees. These scholarships are awarded based on a combination of merit and need.



- **Strategic Partnerships:** This program facilitates partnerships between businesses, employers, and community groups and the Bay County School District, as well as local colleges and universities. The purpose of the partnerships is to improve the relevance, quality, and accessibility of STEM education in Bay County.