



ITEEA's Now Offers Annual Global Design Challenges for Elementary and Secondary STEM Students! Deadline: December 15, 2023

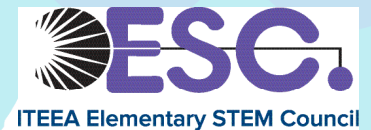
In 2008, the U.S. National Academy of Engineering (NAE) identified 14 Grand Challenges for Engineering in the 21st Century, which were designed to cause students and educators to think about solutions to the big challenges affecting all of our lives. It's now time for your students to get in on the action and show the world that they can solve big STEM design problems as well.

The Process: STEM students from around the world will work in small design teams to solve a GDC outlined below. They will be required to document the process with a simple portfolio that describes the problem-solving processes undertaken, the products developed, results of product testing, as well as the final product presentation. Photos and descriptions of proposed solutions will be posted on ITEEA social media accounts and ultimately, the winning teams can present their solution during the ITEEA Conference in Memphis, TN at the STEM Showcase on March 8, 2024. The teams will also be featured in the May 2023 issue of this journal.

Fifth Global Design Challenge for Elementary STEM Students

Challenge: I am going out of town and no one is available to care for my dog. I need some type of device to consistently dispense water. Can you work as a small group to create a device that can help automatically dispense water? This device should be simple to use, easy to fill, and keep the water bowl consistently full for three days.

Learn more at <https://tinyurl.com/ITEEAGDC2023>



FIRST-EVER Global Design Challenge for Secondary STEM Students

Challenge: Can you work as a member of a small design team to develop a better product or tool that can be used to accomplish a task while using only solar power to generate the required electricity? Select a tool or product that has not traditionally been powered with solar energy—one that most designers would consider impossible.

Learn more at <https://tinyurl.com/ITEEAGDCSS2023>



For questions about the Global Design Challenge contact
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