

January 2021

INVITATION TO TEACHERS AND THEIR STUDENTS: PARTICIPATE IN THE COVID-19 ENGINEERING DESIGN CHALLENGE!

The **University of Texas at Tyler University Academy** is a system of K-12 STEM Lab Schools located on 3 separate campuses in East Texas (USA). Our students are participating in a [COVID-19 Engineering Design Challenge](#), in collaboration with the Texas STEM Coalition (T-STEM) and the International Council of Associations for Science Education (ICASE).



We invite you and your students to join us.

The **COVID-19 Engineering Design Challenge** provides **students of all ages (primary, secondary and higher education)** with a platform to identify and design solutions to challenges and world-wide problems related to the pandemic. Students are encouraged to identify areas of need, brainstorm, design solutions, and communicate their designs to their classmates, families, and community members via online environments or following physical distancing guidelines established by their teachers and/or schools. Participation can include simple classroom discussions and brainstorming sessions or involve individual/group project development.

Teacher instructions for this **Phenomenon-based Learning (PBL)** activity, and a **sample student project**, are available in the **six United Nations (UN) languages (Arabic, Chinese, English, French, Russian and Spanish) plus Japanese, Portuguese and Turkish** on the project web page. Teachers are asked to respond to a short survey summarizing the work of their students and will be provided with a teacher participation certificate, a certificate template to personalize for their students, a world-wide map displaying the countries represented by Challenge participants, as well as a summary of all design project titles submitted by the end of each round of the Challenge.

COVID-19 Engineering Challenge Dates

Challenge 1: March - December 2020 – 399 students from 9 countries!

Challenge 2: January - December 2021 – Please join us in 2021!

For more information see <https://tinyurl.com/COVID19-Engineering-Challenge> and join the fun!

We look forward to learning about the design projects your students create as their engineering solutions to the many challenges related to this pandemic. **Thank you for your participation and for your collaboration!**

Sincerely,

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See the website for Project ideas!

