

January 4, 2021

Prospective Global STEM Challenges Program Students and Parents:

Your student has been identified as a candidate for the Global STEM Challenges Program at Edison High School. This exciting and innovative program creates opportunities for students to learn through hands-on project-based instruction in their math, science, and technology/engineering content. Learning through the context of real-world problems is motivating for students and helps to cement important underlying connections between disciplines. This program provides a small learning community for students through a three-year cohort model, and incorporates multiple 21st century skills universities and employers value.

The program was initially created through an innovation grant from the Virginia Department of Education. Students demonstrate understanding of content, make real-world connections, and prepare for college and careers. In this three-year program, students will tackle engineering design challenges based on major global issues. Students focus on food shortages in 9th grade, access to clean water in 10th grade, and sustainable energy in 11th grade. To solve the challenges, students learn high-level math, science and technology content. In years one and two of the program, students earn honors-level credits in math, science, technology, and computer science. During the third year of the program, students have the opportunity to earn IB credit. Students will also have opportunities to work with post-secondary business and industry partners to learn more about the various career pathways connected to STEM.

Based on your student's academic potential, we invite you to consider the Global STEM Challenges Program at Edison. If you are interested in learning more about this program and meeting our teachers, please join us for our **virtual Information Session on January 27, 2021, from 6:30 to 7:30 p.m.** You will receive an e-Notify message on January 27, 2021, from your middle school with the BBCU link to this session.

If you have any questions, please contact Monica Bentley at Edison High School. We look forward to meeting you and your talented student virtually.

Sincerely,



Pamela E. Brumfield
Principal



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EdisonSTEMPrgr



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