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BAYLOR ENGINEERING & COMPUTING SUMMER ACADEMY

JUNE 24 to 28, 2024

The Baylor Engineering & Computing Summer Academy (BECSA) is an interactive summer day camp designed for rising 10th through 12th grade high school students.

The camp will explore concepts related to ENERGY using a series of interactive experiences:

Day 1: Rolling Energy (Acceleration, Momentum, Wind Drag, and Friction of Student-Built Vehicles)

Day 2: Electrical Energy (Voltage, Current, and Signals in Paper Circuits and Breadboard Circuits)

Day 3: Calculating Energy (Energy Prediction Using Python Programming and Kinetic Energy Measurement using Arduino)

Day 4: Energy in Flight (Building and Testing of Model Aircraft)

Day 5: Harvesting Energy (Design, Testing, and Assessment of Student-Built Steam Turbines)

Dates: June 24 to 28 – 9:00 am to 4:00pm, Monday to Friday (drop-off from 8:45 am to 9:00 am)

Cost: \$500. Price includes daily lunches and snacks, and camp merchandise. Students will also be provided with a flying model aircraft, an Arduino kit, and other engineering equipment that they can take home for further learning.

All students receive hands-on, interactive instruction from Baylor faculty and support from student leaders and staff. The camp also includes a campus tour, college and career speaker, and other fun activities. This camp is NOT for high school or college credit.

Questions? Contact Lauren_Muhl@baylor.edu
ecs.baylor.edu/BECSA2024