

Black Belt STEM Events

HammerBuild (February, April, and June)

Students experienced an educational day where they worked together using drills, hammers, tool belts, and goggles to build a house large enough that they could all fit inside. They received instruction on math application (primarily measurement and fractions), goal setting (including what they plan to do with their future), and workforce development skills (including interviews with many companies clarifying what they are looking for in employees).

Livingston, Alabama — February 9, 2023



Black Belt STEM Events

Baton Rouge, LA — April 6, 2023

16 students from Istrouma High School ranging from 11th to 12th grade were impacted at this national kickoff for If I Had A Hammer. The National Center for Construction Education and Research (NCCER) was present, as well as numerous construction, building, and carpentry companies throughout Louisiana. Following this build, the NCCER put their stamp on the certificates that students receive following HammerBuilds.



Baton Rouge Community College
Baton Rouge Louisiana
April 6, 2023

Black Belt STEM Events

Alabama Space Grant Consortium — To the Moon and Back (May 9-11, 2023)

Trip with Alabama Space Grant Consortium to inform students about NASA events, the newest moon mission, Internship opportunities, and much more.

Visited Marengo County Schools, Linden City Schools, Demopolis City Schools, Sumter County Schools, University Charter School, Greene County Schools, and Pickens County Schools.

This was a 3 day trip that impacted 1300 students in 13 schools, 4 counties, and 7 districts.



Kinterbish Jr. High School
Cuba, AL
May 10, 2023



Sumter Central High School
York, AL
May 10, 2023



University Charter School
Livingston, AL
May 10, 2023



Livingston Jr. High School
Livingston, AL
May 10, 2023

Black Belt STEM Events



Greene County High School
Eutaw, AL
May 11, 2023



Pickens County High School
Reform, AL
May 11, 2023



Aliceville Elementary School
Aliceville, AL
May 11, 2023

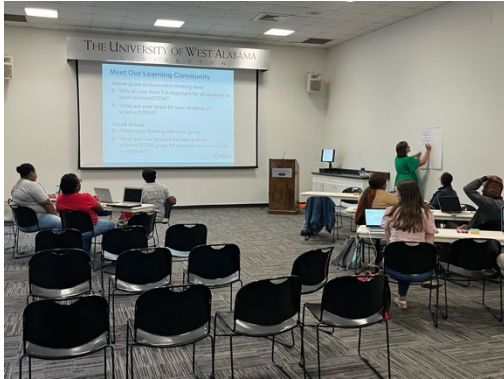
NOT PICTURED..

Sweet Water High School
Marengo High School
George P. Austin Middle School
A.L. Johnson High School
Demopolis Middle School
May 9, 2023

Black Belt STEM Events

NSTA Training — UWA Student Union Building (June 6 and 7, 2023)

A partnership with the National Science Teachers Association resulted in a training session on 3-Dimensional Teaching where 10 (ten) teachers from 5 (five) districts built their capacity for science teaching and learning focused on sensemaking to achieve science literacy for all students based on A Framework for K-12 Science Education and the Next Generation Science Standards. This was a 2-day, onsite workshop for K-12 teachers led by an NSTA expert facilitator and included materials and handouts.



The University of West Alabama
Livingston, AL
June 6, 2023

Black Belt STEM Events

STEM Day — Crenshaw County (June 12, 2023)

The BB-SEI traveled to Highland Home School in Crenshaw County to facilitate a STEM Day involving measuring densities using candy for the 3rd through 5th graders and making aluminum boats with the Kindergarten through 2nd graders.



Highland Home School
Highland Home, AL
June 12, 2023

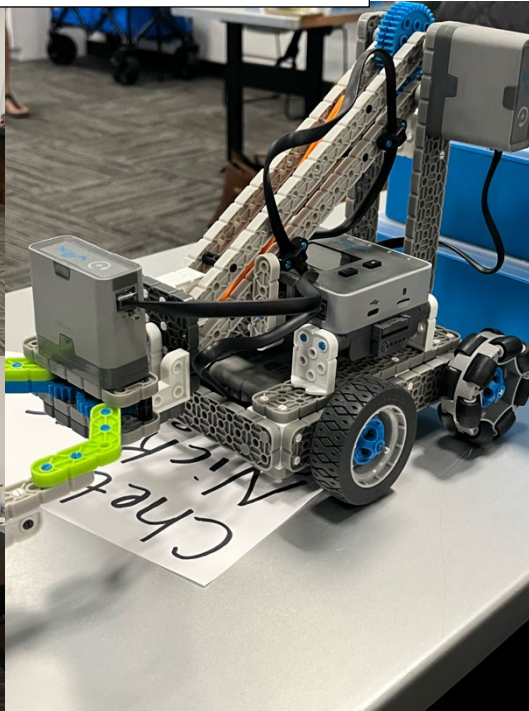
Black Belt STEM Events

VEX ROBOTICS New Coach Training – UWA Student Union Building (June 20-23, 2023)

Through a partnership with S.C.O.R.E. (Southeastern Center of Robotics Education), 17 robotics coaches from 10 schools in 7 districts participated in VEX New Coaches training. Of these 17 schools, 13 coaches are brand new to robotics, and of the 10 schools participating, 7 of them are starting new robotics teams because of the assistance provided by the Black Belt STEM Institute. Each participating school was provided robot kits and all necessary equipment for starting robotics teams, with the agreements that they will participate in at least one state robotics tournament.



UNIVERSITY OF WEST ALABAMA
LIVINGSTON, AL
JUNE 20-23, 2023



Black Belt STEM Events

NASA/IBM STEM Camp — Wallace State Community College — June 27-30, 2023

Wallace State Community College – 15 students ranging from 9th to 12th grade and attending 4 different high schools were impacted. This build was in collaboration with Wallace State Community College’s Summer Program, and other partners in this endeavor included IBM, NASA Space Grant Consortium, Best Buy, Alabama A&M University, Stillman College, and the University of Alabama-Huntsville.



HammerBuild
Wallace State Community College, Selma, AL
June 28, 2023

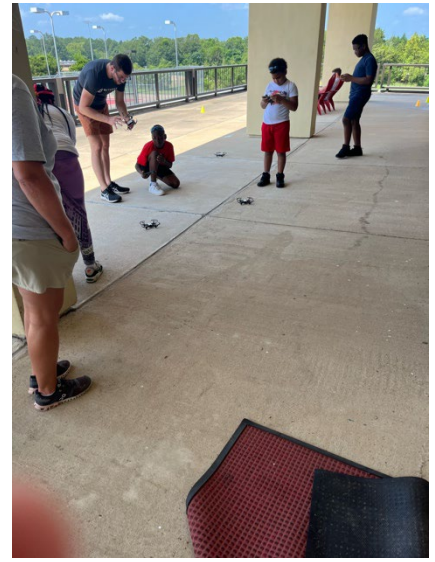
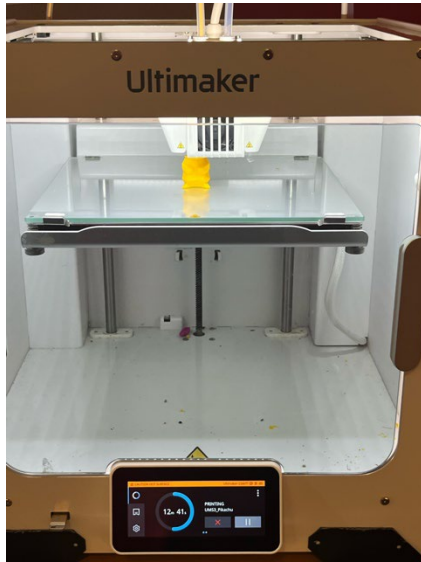


Space Coding — Alabama Space Grant Consortium
Best Buy Teen Tech Center
Wallace State Community College, Selma, AL
June 29, 2023

Black Belt STEM Events

Student STEM Camp — UWA Student Union Building (July 18-20)

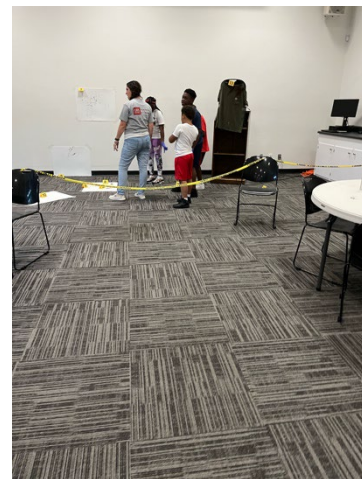
A STEM Camp hosted by the Black Belt STEM Institute was a great opportunity for students, as they experienced hands-on, interactive inquiry-based experiences that included building tensegrity robots, driving and programming remote control cars, flying drones, and investigating “crime scenes.”



SKILLS ON WHEELS



TENSEGRITY ROBOTS
ALABAMA SPACE GRANT CONSORTIUM
PH.D STUDENTS - UA



CSI-UWA
DR. AMANDA COOK — MISSISSIPPI STATE UNIVERSITY