

# STEM Outreach for At-Risk Youth

## Connor Colby, Rachel Maldonado - Department (FSU-Teach)

### Outreach Team



Tallahassee Community College, STEM Center

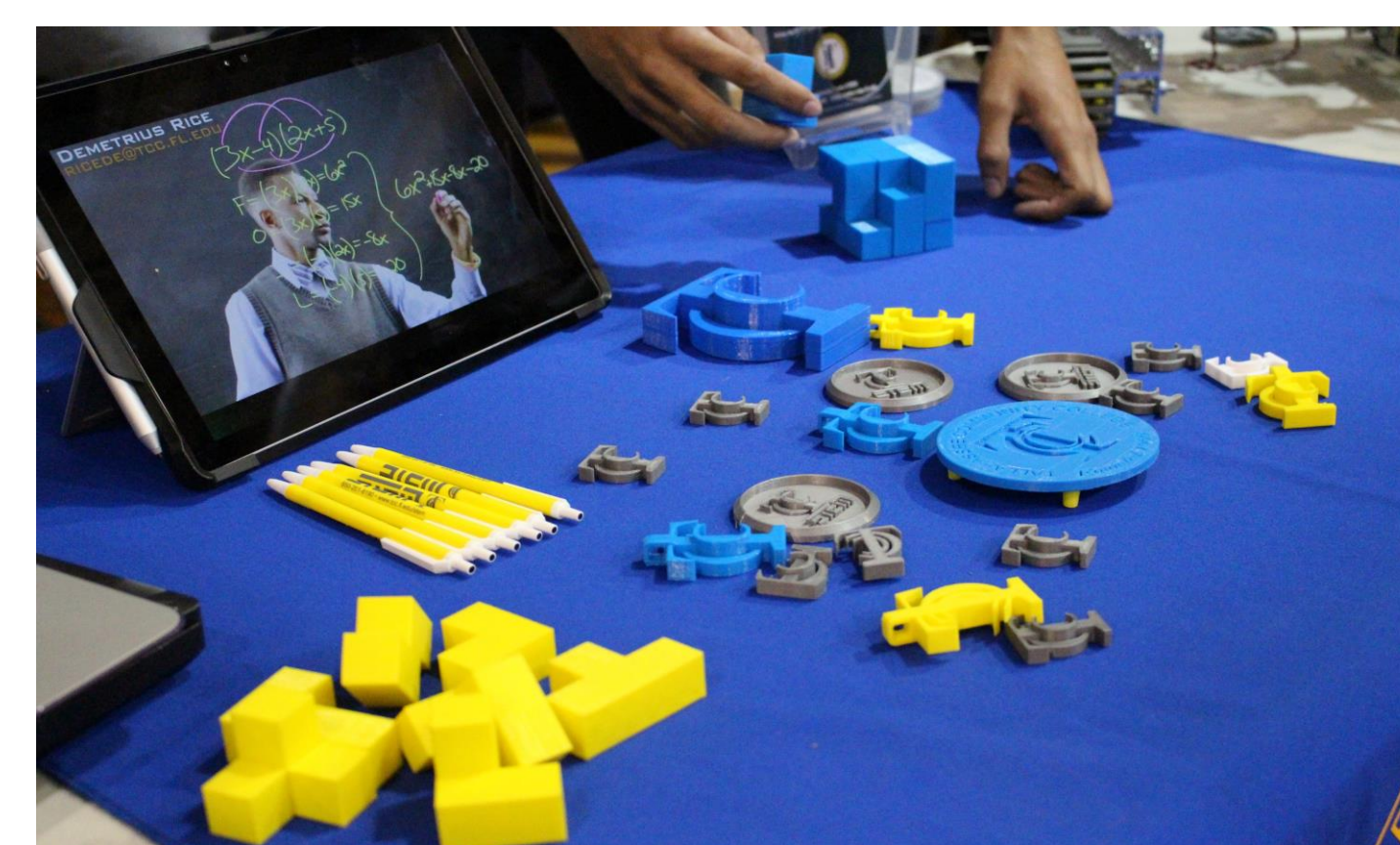


### Goals of Effort

Our goal, as a team, was to promote education and awareness in the STEM field, and provide access to higher-educational programs so that students may be encouraged to pursue their passions.

### Target Audience

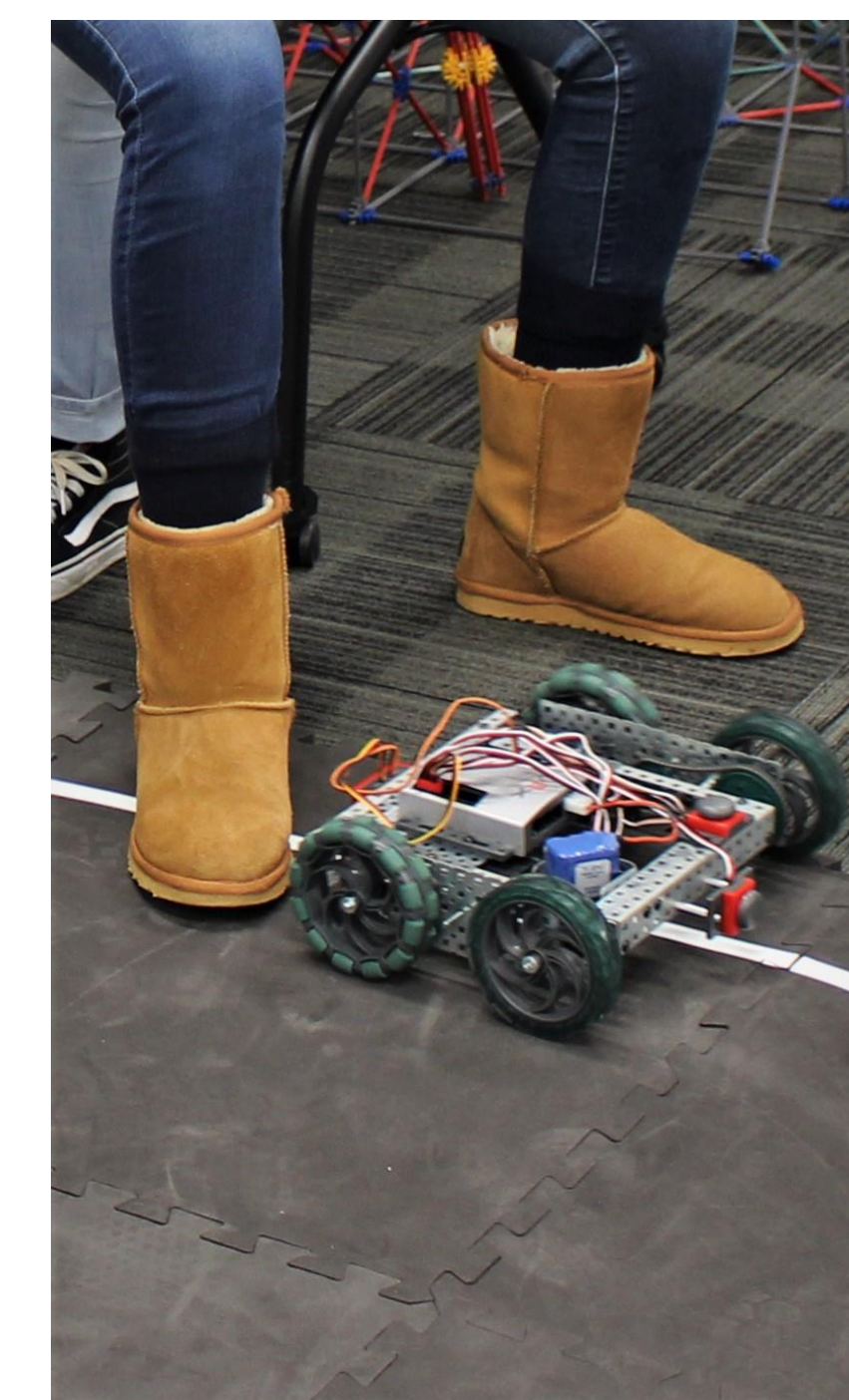
Elementary to high school, primary and secondary school, students with limited to no access to science, technology, engineering, or mathematics geared programs.



### Activities



The main topics our team were promoting were engineering, robotics, and 3D printing. Our activities included hands on games, competitions, and demonstrations.

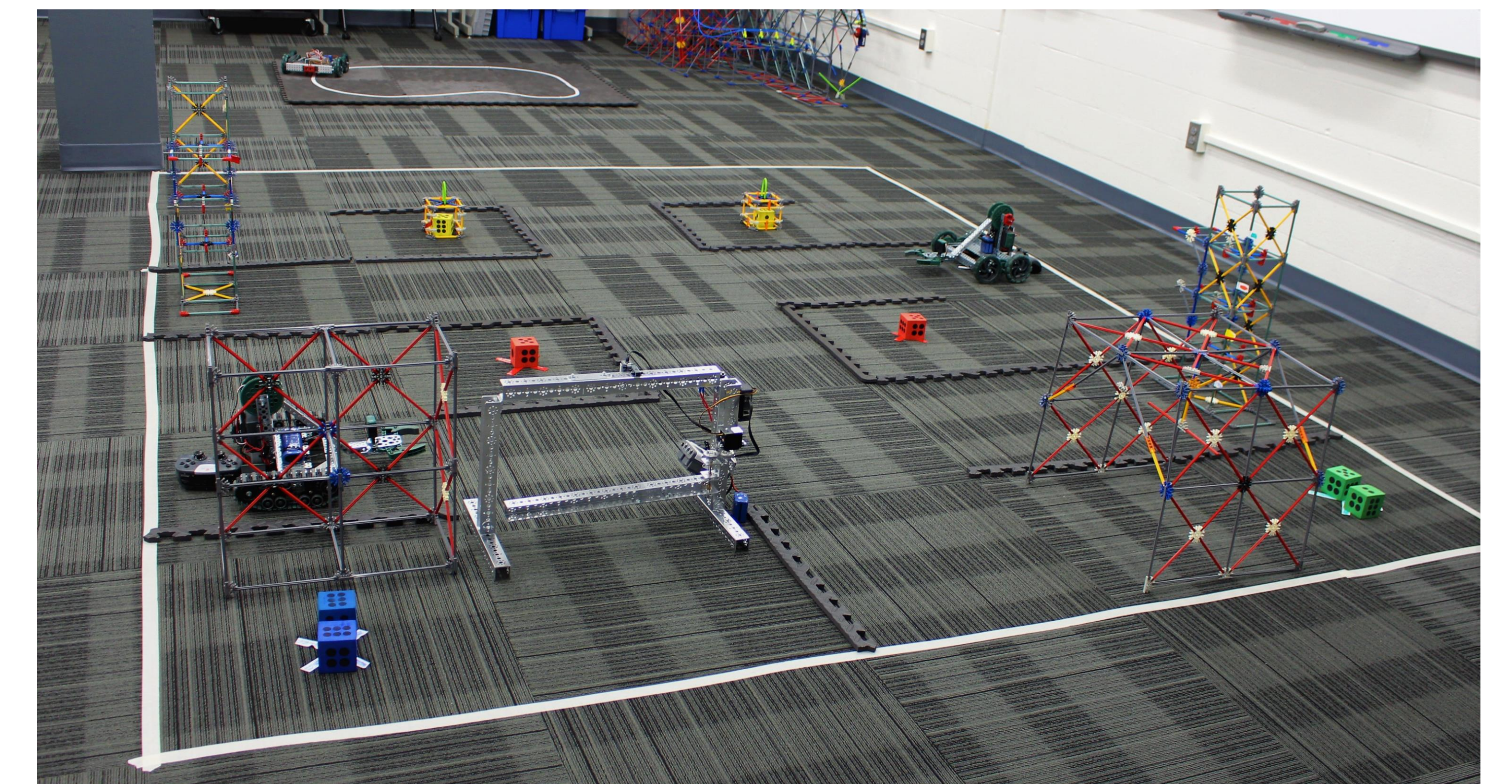


Because we know that STEM is comprised of various majors, our outreach also involved topics such as biology, chemistry, physics, and math. These activities were mostly hands on, for children to get a closer look at math and the sciences.



### Points of Difficulty

Creativity was a key component to our success as influential role models. In an effort to stimulate and challenge the minds of the youth, we encountered many obstacles. Every robot challenge and biochemical experiment demanded critical thinking and problem solving to bring our ideas to life.



### Take Away Message

Our aim was to design enjoyable activities for children as they learn about the sciences, technology, engineering, and mathematics. The games, competitions, and demonstrations were designed, built, and displayed for the hope of children, to take away that our activities could potentially be done by them one day. We believe that we were successful in creating easy and fun activities that promote the four STEM themes.

