



7th Annual ZORA!™ STEM Conference for Middle School Students
 Presented by Association to Preserve the Eatonville Community
 In Collaboration with
 Orange County Public Schools, Valencia College –West Campus
 University of Central Florida, College of Medicine
 Orlando Science Center & the National Center for Simulation

“Education Day,” Friday January 31, 2020

Hosted by



**Mid Florida Campus
 Building 1600**

AGENDA

- 8:00-8:15 a.m. Welcome**
- 8:20-11:20 a.m. Morning Workshops**
- 11:30-12:20 p.m. Lunch and Activities**
- 12:30 - 2:20 p.m. Afternoon Workshops**
- 2:30 - 3:00 p.m.....Survey/Wrap Up and Departure**

Workshop Opportunities:

Adventures in Medicine-----UCF College of Medicine
 This 45-minute educational activity will expose middle school students to medical science and the physician training process. Students will learn about the educational path and content in the four years of medical school and apply that knowledge in hands-on activities.

Space Exploration and Programing/Coding -----Orlando Science Center
 Students will immerse themselves in the exciting world of science technology! Take a tour through our solar system and beyond in our Mobile Planetarium, put your coding and programming abilities to the test by completing a series of challenges!

Music in STEM -----Valencia College
 Music is everywhere but so is science. There is a great deal of physics embedded in music and we will discuss and demonstrate some of it.

Basic CPR -----Orange Technical College
 Using mannequins, students will learn Basic First Aid techniques including bandaging, choking procedures, and nosebleed care. In addition, students will experience state-of-the-art special effects techniques with human patient simulator demonstrations. These simulations provide health science students and teachers the opportunity to train in a safe and learner-friendly environment.

Robotics and Manufacturing -----Orange Technical College
 Students will immerse themselves in a manufacturing environment to see how robotics and automation affect the world around them. From use in material movement and sorting to ride vehicles at a theme park or manufacturing a product used in your daily lives. The world of automated manufacturing, industrial maintenance, and robotics will only affect our lives more in the future.”