



Explore! STEM @ UTSA

Dr. Kathy Ewoldt (Special Education)
Dr. Wei Wang (Computer Science)
Dr. Leslie Neely (Educational Psychology)

Sponsored by
Texas Work Force Commission Vocational Rehabilitation Service



Intro to Explore!STEM@UTSA

- Learn STEM occupations through hands-on activities
- Topics
 - Software Engineering – Computer Programming in Python
 - Data Science – Autonomous Driving Basics
 - Lane Detection
 - Vehicle Detection
 - Cloud Computing



About US

- Dr. Kathy Ewoldt, Assistant Professor, Special Education
- Dr. Wei Wang, Assistant Professor, Computer Science
- Dr. Leslie Neely, Associate Professor, Educational Physolo
- Rebecca Y. Quintero, from TWC
- Tutors,
 - God'salvation Oguibe, PhD student, Computer Science
 - Sean Soderman, PhD student, Computer Science

Schedule

- Aug 9th to Aug 13th
 - Lectures, activities and Guest speakers

Time	Activities
9:00am – 9:15am	Preparation
9:15am – 10:00am	Lecture/Activity Block1
10:00am – 10:15am	Break
10:15am – 11:30am	Lecture/Activity Block 2
11:30am – 12:15pm	Guest Speaker
12:15pm – 12:45pm	Lunch Break
12:45pm – 13:15pm	STEM Activities
13:15pm – 14:00pm	Additional Tutoring/Closing



Intro to Explore!STEM@UTSA cont.

- Guest Speakers from other STEM fields:
 - Day 1: Mr. Pitz (retired mechanical engineer, award-winning RC pilot, and deaf private pilot)
 - Day 2: Dr. Alberto Nunez-Maestas (Earth Science)
 - Day 3: Mr. Eric Gessler (Boeing Industrial Engineer)
 - Day 4: Panel
 - Day 5: Dr. John Quarles (VR lab tour)



Intro to Explore!STEM@UTSA cont.

- STEM Activities:
 - Day 1: Robot Dog
 - Day 2: Your Hi-5 Strength
 - Day 3: Paper Airplanes
 - Day 4: Holo Lens
 - Day 5: ???!



What we need from you?

- A growth-mindset and willingness to learn attitude
- Ask any questions you have no matter how small
- Patience - with us, your parents, and yourself
- Do not contact the tutors directly by personal mail, and do not contact the tutors outside camp.



A few Tasks

- Questions?
- Fill out the pre-camp assessment
 - <https://forms.office.com/r/9DgKgrwFgC>