

Workshop Title	Workshop Descriptions
Exoplanets Near and Far, Large and Small	Exoplanets are planets around stars other than our sun. How do astronomers find exoplanets? In this workshop, we will explore data from NASA's Transiting Exoplanet Survey Satellite (TESS). We will learn how TESS detects planet candidates and interact with real TESS data. We'll also talk about the different kinds of planets that TESS has found and how we can learn more about the planets with other telescopes.
Virtual Reality (VR) Games for Teaching and Learning!	Many of you have played Virtual Reality (VR) games using the Oculus or other VR headsets. VR can also be used for teaching and learning. We are going to show you how in our lab we are using VR and 3D technology for teaching, learning, and research.
Chemistry-From Freezing to Bouncing to Exploding	Join us for an entertaining chemistry workshop where we'll dive into hands-on activities that are both fun and fascinating. From playing with strawberry DNA to crafting bouncy balls from glue, shattering roses, and causing gummy bears to explode-it's a unique and enjoyable exploration of science.
Nurses-We Call the Shots!	Learn about being a nurse as you interact with students from the TTU School of Nursing. Activities include: "Guess that medication" and anatomy quizzes.
Getting Over It: Bridge Building Competition	Come learn the art of structural engineering as we design and build bridges for a fierce competition to see whose bridge will be able to hold the most weight!
STEAM in Clothing Design: Learn the Art of Sewing	Sewing is an art that serves as an essential tool and creative outlet for everyone who learns it. This workshop is designed to teach the basics of sewing including threading a sewing machine, stitching along a path, and common seams.
Inspiring Men & Women in the History of Mathematics Plus Math Challenges	Learn about well-known mathematicians who have crafted great mathematical theories and ideas. Then put your critical thinking skills to the test in a challenging game of Mathematical Jeopardy.
Dance Party with the Muscles of the Body	Get ready to move! Combine learning about the muscle groups used in the body on a day-to-day basis and specifically in dance movements with learning a short dance routine from Disney's Descendants. Put it all together for a fun STEAM workshop!
Forensic Science: Learn the Basics of Crime Scene Investigation and Fingerprint Examination!	Learn from the Forensic Science Society about the different techniques used in crime scene investigation, including how to collect evidence. Analyze your own fingerprints using fingerprint powder and ink pads.
All Things Bugs! Insect Preservation	Get your hands on some bugs in this workshop. Learn how to collect and preserve insects with the TTU Entomology Club including how to pin and properly label specimens!
Piece of My Heart: Introduction to Medical Imaging & 3D Printing	This workshop provides a window into 3D modeling with medical imaging and the 3D printing process. Participants will learn how to slice and 3D print a heart created from a CT Scan alongside activities that encourage creative thinking.
Eco-Innovate: Unleashing the Power of Wind & Water	Embark on a captivating exploration of renewable energy. Through engaging activities and interactive demonstrations, participants will explore the science behind harnessing the power of wind and water to generate clean, renewable energy. Join us on this exciting journey as we inspire the next generation of eco-innovators and empower them to make a positive impact on our planet's future.