



UTPA GEAR UP

Math and Science Initiative

The UTPA GEAR UP Project is involved in multiple efforts to increase knowledge, interest and excitement in the subjects of math and science for both students and teachers. Tour a UTPA GEAR UP math classroom and you will see high-tech equipment available to students such as Texas Instruments N-Spire Calculators paired with the wireless Navigator system. TI-Nspire Navigator is a wireless classroom learning system that engages students, encourages classroom participation, and

is a vital tool used to give meaning to abstract math concepts. Features of the equipment assist both students and teachers, one of which includes instant assessment using quick poll and screen capture that allows teachers to check on student understanding and adjust instruction to keep all students involved in learning. Teachers can also transfer documents and collect, grade, and save students work wirelessly, freeing up more time for instruction, while saving trees! Math teachers also have

access to Agilemind, an online math program that provides interactive lessons and assessment tools for every math course. Through supplemental math support programs, GEAR UP students have access to new technology and are able to feel excitement about learning.

The UTPA GEAR UP Project has also provided support for teachers and students by providing science lab equipment from Vernier Science Technologies. Teachers have received science kits in all science areas

to supplement instruction and add support to labs. Through use of the Vernier Labquest, an interactive interface, students can be engaged in hands-on learning. The Labquest features built-in graphing and analysis software, a color touch screen, and is compatible with Vernier sensors and probes. Curriculum guides have also been provided with experiments from a variety of subject areas, including biology, chemistry, physics, Earth science, water quality, advanced chemistry, physical science, and more. These resources provide hundreds of lab experiments to engage students on hands-on learning!



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