

Rio Grande City ISD is proud to offer the PLTW PTE (Project Lead the Way, Pathway to Engineering) program. It is a sequence of courses, which follows proven hands, on, real world, problem solving approach to learning. Throughout, PTE students learn and apply the design process, acquire strong teamwork and communication proficiency and develop organizational, critical thinking and problem – solving skills. They discover the answers to questions like how things are made and what processes go into creating products. Students use the same industry- leading 3D design software used by companies like Intel, Lockheed Martin and Pixar. They explore aerodynamics, astronautics and space life sciences. Students also apply biological and engineering concepts related to biomechanics- think robotics. Students design, test and actually construct circuits and devices such as smart phones and tablets and work collaboratively on a culminating capstone project. It's STEM (Science, Technology, Engineering and Math) education and it's at the heart of today's high tech, high global economy.

The teachers designated at Rio Grande City High School to teach these classes are **Mr. Luis Garcia** and **Ms. Melissa Andrade**. Both are certified Math teachers and have a degree in engineering. The teacher designated at Grulla High School to teach PLTW is **Mrs. Ana Cavazos**, also a certified Math teacher and an engineer. If you would like to know more about enrolling your student in this career cluster, please call the Career and Technology Office to 956-488-6030 or to any High School Counseling office. High School students successfully completing PLTW courses may receive articulated credit at The University of Texas at Tyler. The Career and Technology program director for RGCCISD is Mrs. Adelina G. Villarreal

