

High School Beginning with School Year 2010-2011

Chemistry TEKS Available at Space Center Houston

Texas Essential Knowledge and Skills	Related Exhibit at Space Center Houston
Demonstrate safe practices during laboratory and field investigations, including the appropriate use of safety showers, eyewash fountains, safety goggles, and fire extinguishers (1).	Kids Space Place NASA Tram Tours
Plan and implement investigative procedures, including asking questions, formulating testable hypotheses, and selecting equipment and technology, including graphing calculators, computers and probes, sufficient scientific glassware such as beakers, Erlenmeyer flasks, pipettes, graduated cylinders, volumetric flasks, safety goggles, and burettes, electronic balances, and an adequate supply of consumable chemicals (2).	Kids Space Place Part Task Trainers (PTT's) NASA Tram Tours
Organize, analyze, evaluate, make inferences, and predict trends from data (2).	Kids Space Place Part Task Trainers (PTT's) Manned Maneuvering Unit Simulator
Communicate valid conclusions supported by the data through methods such as lab reports, labeled drawings, graphs, journals, summaries, oral reports, and technology-based reports (2).	Kids Space Place Part Task Trainers (PTT's) NASA Tram Tours
In all fields of science, analyze, evaluate, and critique scientific explanations by using empirical evidence, logical reasoning, and experimental and observational testing, including examining all sides of scientific evidence of those scientific explanations, so as to encourage critical thinking by the student (3).	Kids Space Place Starship Gallery Part Task Trainers (PTT's) NASA Tram Tours
Evaluate the impact of research on scientific thought, society, and the envi-	Part Task Trainers (PTT's)

ronment (3).	Starship Gallery NASA Tram Tours
Describe the connection between chemistry and future careers (3D).	Part Task Trainers (PTT's) Starship Gallery NASA Tram Tours Internet Blast-Off Stations
Research and describe the history of chemistry and contributions of scientists (3E).	Part Task Trainers (PTT's) Starship Gallery BLAST-OFF! Theatre NASA Tram Tours