

Grade 6 Beginning with School Year 2010-2011 Science 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 as outlined in the Texas Safety Standards (6.1).	Kids Space Place NASA Tram Tours
Plan and implement comparative and descriptive investigations by making observations, asking well-defined questions, and using appropriate equipment and technology (6.2).	Kids Space Place Part Task Trainers (PTT's) NASA Tram Tours
Design and implement experimental investigations by making observations, asking well-defined questions, formulating testable hypotheses, and using appropriate equipment and technology (6.2).	Kids Space Place Internet Blast-Off Station
Collect and record data using the International System of Units (SI) and qualitative means such as labeled drawings, writing, and graphic organizers (6.2).	Kids Space Place NASA Tram Tours
Analyze data to formulate reasonable explanations, communicate valid conclusions supported by the data, and predict trends (6.2).	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 (6.3).	Kids Space Place Starship Gallery NASA Tram Tours
Relate the impact of research on scientific thought and society, including the history of science and contributions of scientists as related to the content (6.3).	Part Task Trainers (PTT's) Internet Blast-Off Stations Starship Gallery NASA Tram Tours

	BLAST-OFF! Theatre
Use appropriate tools to collect, record, and analyze information, including journals/notebooks, beakers, Petri dishes, meter sticks, graduated cylinders, hot plates, test tubes, triple beam balances, microscopes, thermometers, calculators, computers, timing devices, and other equipment as needed to teach the curriculum (6.4).	Kids Space Place Part Task Trainers (PTT's)
Identify and describe the changes in position, direction, and speed of an object when acted upon by unbalanced forces (6.8).	Kids Space Place Part Task Trainers (PTT's) Manned Maneuvering Unit Simulator NASA Tram Tours
Measure and graph changes in motion (6.8).	Part Task Trainers (PTT's)
Understand that gravity is the force that governs the motion of our solar system (6.11).	BLAST-OFF Theatre Voyage Solar System Walk Kids Space Place
Describe the history and future of space exploration, including the types of equipment and transportation needed for space travel (6.11).	Spacesuits on Display Part Task Trainers (PTT's) Manned Maneuvering Unit Simulator Space Shuttle Orbiter Mock-Up Space Shuttle Main Engine Display NASA Tram Tours BLAST-OFF Theatre Starship Gallery Internet Blast-Off Station