

Grade 3 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 as described in the Texas Safety Standards during classroom and outdoor investigations, including observing a school-yard habitat (3.1).	Kids Space Place NASA Tram Tours
Plan and implement descriptive investigations, including asking and answering questions, making inferences, and selecting and using equipment or technology needed, to solve a specific problem in the natural world (3.2).	Kids Space Place Part Task Trainers (PTT's) NASA Tram Tours
Collect data by observing and measuring using the metric system and recognize differences between observed and measured data (3.2).	Kids Space Place NASA Tram Tours
Analyze and interpret patterns in data to construct reasonable explanations based on evidence from investigations (3.2).	Kids Space Place Part Task Trainers (PTT's)
Communicate valid conclusions supported by data in writing, by drawing pictures, and through verbal discussion. (3.2).	Kids Space Place 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 (3.3).	Kids Space Place Starship Gallery
Connect grade-level appropriate science concepts with the history of science, science careers, and contributions of scientists. (3.3).	Part Task Trainers (PTT's) Internet Blast-Off Stations Starship Gallery BLAST-OFF! Theatre

	NASA Tram Tours
Collect, record, and analyze information using tools, including microscopes, cameras, computers, hand lenses, metric rulers, Celsius thermometers, wind vanes, rain gauges, pan balances, graduated cylinders, beakers, spring scales, hot plates, meter sticks, compasses, magnets, collecting nets, notebooks, sound recorders, and Sun, Earth, and Moon system models; timing devices, including clocks and stop-watches; and materials to support observation of habitats of organisms such as terrariums and aquariums (3.4).	Kids Space Place Part Task Trainers (PTT's)
Demonstrate and observe how position and motion can be changed by pushing and pulling objects to show work being done such as swings, balls, pulleys, and wagons (3.6).	Kids Space Place Part Task Trainers (PTT's) Manned Maneuvering Unit Simulator NASA Tram Tours
Observe forces such as magnetism and gravity acting on objects (3.6).	BLAST-OFF Theatre
Identify the planets in Earth's solar system and their position in relation to the Sun (3.8).	Part Task Trainers (PTT's) Voyage Solar System Walk