

Grade 8
Science TEKS Available at Space Center Houston

Texas Essential Knowledge and Skills	Related Exhibit at Space Center Houston
Demonstrate safe practices during field and laboratory investigations (8.1A).	Kids Space Place NASA Tram Tours
Plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting and using equipment and technology (8.2A).	Kids Space Place Part Task Trainers (PTT's) NASA Tram Tours
Collect data by observing and measuring (8.2B).	Kids Space Place ISS Exhibit NASA Tram Tours
Organize, analyze, evaluate, make inferences, and predict trends from direct and indirect evidence (8.2C).	Kids Space Place Part Task Trainers (PTT's) NASA Tram Tours
Communicate valid conclusions (8.2D).	Kids Space Place NASA Tram Tours
Analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information (8.3A).	Kids Space Place Starship Gallery NASA Tram Tours
Evaluate the impact of research on scientific thought, society, and the environment (8.3D).	Part Task Trainers (PTT's) Internet Blast-Off Stations Starship Gallery NASA Tram Tours
Connect Grade 8 science concepts with the history of science and contributions of scientists (8.3E).	Part Task Trainers (PTT's) Starship Gallery BLAST-OFF! Theatre NASA Tram Tours

Collect, record, and analyze information using tools including beakers, Petri dishes, meter sticks, graduated cylinders, weather instruments, hot plates, dissecting equipment, test tubes, safety goggles, spring scales, balances, microscopes, telescopes, thermometers, calculators, field equipment, computers, computer probes, water test kits and timing devices (8.4A).	Kids Space Place Part Task Trainers (PTT's) NASA Tram Tours
Extrapolate from collected information to make predictions (8.4B).	Kids Space Place Part Task Trainers (PTT's)
Identify a design problem and propose a solution (8.5A).	Kids Space Place
Design and test a model to solve the problem (8.5B).	Kids Space Place
Evaluate the model and make recommendations for improving the model (8.5C).	Kids Space Place
Demonstrate how unbalanced forces cause changes in the speed or direction of an object's motion (8.7A).	Kids Space Place Part Task Trainers (PTT's) Manned Maneuvering Unit Simulator
Recognize that waves are generated and can travel through different media (8.7B).	Kids Space Place
Analyze and predict the sequence of events in the lunar and rock cycles (8.12A).	Starship Gallery