

**Grade 5**  
**Science TEKS Available at Space Center Houston**

<b>Texas Essential Knowledge and Skills</b>	<b>Related Exhibit at Space Center Houston</b>
Demonstrate safe practices during field and laboratory investigations (5.1A).	<b>Kids Space Place</b> <b>NASA Tram Tours</b>
Plan and implement descriptive and simple experimental investigations including asking well-defined questions, formulating testable hypotheses, and selecting and using equipment and technology (5.2A).	<b>Kids Space Place</b> <b>Part Task Trainers (PTT's)</b> <b>NASA Tram Tours</b>
Collect information by observing and measuring (5.2B).	<b>Kids Space Place</b> <b>ISS Exhibit</b> <b>NASA Tram Tours</b>
Analyze and interpret information to construct reasonable explanations from direct and indirect evidence (5.2C).	<b>Kids Space Place</b> <b>Part Task Trainers (PTT's)</b>
Communicate valid conclusions (5.2D).	<b>Kids Space Place</b> <b>NASA Tram Tours</b>
Analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information (5.3A).	<b>Kids Space Place</b> <b>Starship Gallery</b>
Evaluate the impact of research on scientific thought, society, and the environment (5.3D).	<b>Part Task Trainers (PTT's)</b> <b>Internet Blast-Off Stations</b> <b>Starship Gallery</b> <b>BLAST-OFF! Theatre</b> <b>NASA Tram Tours</b>
Connect Grade 5 science concepts with the history of science and contributions of scientists (5.3E).	<b>Spacesuits on Display</b> <b>Part Task Trainers (PTT's)</b> <b>Starship Gallery</b> <b>BLAST-OFF! Theatre</b> <b>NASA Tram Tours</b>

Collect and analyze information using tools including calculators, microscopes, cameras, sound recorders, computers, hand lenses, rulers, thermometers, compasses, balances, hot plates, meter sticks, timing devices, magnets, collecting nets, and safety goggles (5.4A)	<b>Kids Space Place</b> <b>Part Task Trainers (PTT's)</b>
Demonstrate that repeated investigations may increase the reliability of results (5.4B).	<b>Kids Space Place</b> <b>Part Task Trainers (PTT's)</b> <b>Starship Gallery</b> <b>NASA Tram Tours</b>
Describe some cycles, structures, and processes that are found in a simple system (5.5A).	<b>Kids Space Place</b>
Describe some interactions that occur in a simple system (5.5B).	<b>Kids Space Place</b> <b>Space Shuttle Orbiter Mock-Up</b> <b>Part Task Trainers (PTT's)</b> <b>Manned Maneuvering Unit Simulator</b>
Identify events and describe changes that occur on a regular basis such as in daily, weekly, lunar, and seasonal cycles (5.6A).	<b>Starship Gallery</b> <b>Living In Space Show</b>
Demonstrate that some mixtures maintain the physical properties of their ingredients (5.7B).	<b>Kids Space Place</b>
Differentiate among forms of energy including light, heat, electrical, and solar energy (5.8A).	<b>Kids Space Place</b>
Identify and observe actions that require time for changes to be measurable including growth, erosion, dissolving, weathering, and flow (5.11A).	<b>Starship Gallery</b>
Identify the physical characteristics of the Earth and compare them to the physical characteristics of the moon (5.12C).	<b>Starship Gallery</b>