August Ahren Elementary School
Straw Rockets
The students will learn about rocket flight while creating their own design. They will test and have the opportunity to improve on their design.

Battleship Missouri Memorial
http://www.ussmissouri.org
Students have been given the challenge to design a wheeled vehicle. This vehicle will be made out of LEGO, powered by a balloon engine, and must satisfy all of the following characteristics:
All parts of the vehicle must be made out of LEGO except for the balloon engine.
Tape may be used to secure the balloon engine to the LEGO vehicle but no other materials such as rubber bands, paper clips, etc. may be used in the design.
The vehicle must be able to travel 1 meter in a straight line without stopping.

Chaminade University: I Am a Scientist
Forensic Science
Participants will learn about fingerprinting in the Forensic Science field & the different processing techniques, while also having the opportunity to try out the process themselves.

Hardware Science (HouseMart Ben Franklin Crafts/Ace Hardware)
http://hardwarescience.com
Our company (HouseMart Ben Franklin Crafts/Ace Hardware) has a program called Hardware Science. We use everyday craft and hardware items and create project kits to teach simple science concepts. Our project kits and other experiments/demos are all designed for hands-on learning. Examples of the kits (all made here in Hawai‘i) that we have in our stores will be at our table.

Hawaiian Astronomical Society
http://www.hawastsoc.org
Sharing the daytime sky with the viewing public using filtered telescopes. Will also have a display table with views of our viewing events, as well as information regarding interesting information about objects in our own Solar System and objects in our celestial neighborhood.

Hawaiian Electric Company
https://www.hawaiianelectric.com
The Hawaiian Electric Company exhibit will feature information on Clean Energy Future for Hawai‘i; Energy Efficiency Tips; Renewable Energy (Solar, Wind, Biofuels); Electric Vehicle; Electro-Technologies; Unmanned Aircraft. Learn more about some of these things through the interactive displays: Comparator, 360 Plasma Ball, Fuel Cell, Lemon Battery, and more.

Kūlaniākea
http://www.kulaniakea.org
An interactive exhibit with the opportunity for some experiential learning. The materials engage keiki of all ages, from 3 to 80 years. There is a timeline for wa‘a, memory chips that encourage Hawaiian vocabulary and learning the names of stars and constellations used by Polynesian navigators, knot boards, star boxes, and more.
Living Art Marine Center
http://www.livingartmarinecenter.com
The Living Art Marine Center specializes in hands-on and activity based marine science education programs for students of all ages. Booth activities include live tropical fish to see, touching tide pool creatures, and observing and touching animal models such as a real shark head. Bring your own light-colored t-shirt for a free Gyotaku fish print.

NASA Pacific Regional Planetary Data Center
http://www.higp.hawaii.edu/prpdc
Showing images of the Moon and planets (including Pluto) in our Solar System and displaying globes of the terrestrial planets.

Pacific Aviation Museum – Pearl Harbor PAMPH
PacificAviationMuseum.org
Will illustrate how airplanes fly, adapting STEM activities focusing on Newton’s Third Law of Motion and Bernoulli’s Principle. We will have a P-40 Simulator, a Wright Brothers-like wind-tunnel, and table top experiments for students to get hands-on experiences. We will also display a story board with photos honoring the career of pilot and astronaut Lacy Veach. This story board can usually be seen standing next to Lacy Veach’s own F-100 in historic hangar 79 at the Pacific Aviation Museum Pearl Harbor.

Polynesian Voyaging Society
www.hokulea.com
The PVS Exhibit will include interactive displays, such as the Star Compass and Share Your Story, and general information about the upcoming Statewide events.

http://www.academyadmissions.com
Information booth.

Space & Naval Warfare (SPAWAR) Systems Center Pacific
Several different hand-on activities will allow students to explore various science and engineering concepts such as vacuum bell jars, electronic circuits, and robotics.

University of Hawaii College of Engineering
http://www.eng.hawaii.edu
Students will be able to test their engineering skills by building balloon towers (K-6) and/or working with brush bots (6-12). Information regarding the College of Engineering Programs will also be provided.

University of Hawaii Institute of Astronomy
http://ifa.hawaii.edu
How do astronomers know what stars, galaxies, nebulae, and planets are made of, without ever touching them? Spectroscopy is the key. Students will use hands-on and digital spectroscopes to see how different elements produce different patterns of light.