Exhibit Area and Numbers	6th grade Framework Correlation
Structures 5, 6, 7, 8	NS: 1.6.5 Communicate results and conclusions from scientific inquiry PS: 6.6.4 Recognize and give examples of different types of forces: gravitational forces, magnetic forces, friction 6.6.7 Describe the effects of force: move a stationary object, speed up, slow down or change the direction of motion, change the shape of objects
Mirror Hall 9, 10, 11, 12, 13, 14,15, 16, 17, 18, 19, 20, 21, 22, 23	NS: 1.6.5 Communicate results and conclusions from scientific inquiry
Energy Island 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37	NS: 1.6.5 Communicate results and conclusions from scientific inquiry 1.6.9 Define and give examples of laws and theories PS: 5.6.1 Identify common examples of chemical properties: ability to burn, ability to produce light, ability to react with other substances 5.6.2 Compare and contrast characteristics of physical and chemical properties 5.6.7 Identify characteristics of chemical changes: burning, production of a new substance, production of light, color change, endothermic and exothermic reactions, reactivity 6.6.4 Recognize and give examples of different types of forces: gravitational forces, magnetic forces, friction 6.6.7 Describe the effects of force: move a stationary object, speed up, slow down or change the direction of motion, change the shape of objects 6.6.8 Conduct investigations to demonstrate change in direction caused by force 6.6.9 Conduct investigations to calculate the change in speed caused by applying forces to an object 7.6.1 Classify examples of energy forms: chemical, electromagnetic, mechanical, thermal 7.6.2 Summarize the application of the law of conservation of energy in real world situations: electrical energy into mechanical energy; electrical energy into heat; chemical energy into mechanical energy; chemical energy into light 7.6.3 Conduct investigations demonstrating how energy can be converted from one form to another
Earth Science/Weather 3, 46, 47, 48, 49, 50, 52, 53, 54, 55, 56	NS: 1.6.5 Communicate results and conclusions from scientific inquiry ESS: 8.6.8 Compare and contrast the different land forms caused by Earth's internal forces: mountains, plateaus, trenches, islands 8.6.9 Research local, regional, and state landforms created by internal forces in the earth: Ozark Plateau, Crater of Diamonds, Ouachita Mountains, New Madrid Fault 8.6.13 Analyze how earthquake occurrences are recorded (seismograph) and measured (Richter scale)

Key: NS.1.6.1 = Nature of Science. Standard 1. 6th grade. 1st Student Learning Expectation. LS= Life Science. PS=Physical Science. ESS=Earth and Space Science

Exhibit Area and Numbers	6th grade Framework Correlation
Matter Island 4, 24, 38, 39, 40, 41, 42, 43, 44, 45	NS: 1.6.5 Communicate results and conclusions from scientific inquiry 1.6.9 Define and give examples of laws and theories PS. 5.6.2 Compare and contrast characteristics of physical and chemical properties 5.6.6 Use a density column to test the density of various solid objects (e.g., piece of candy, cork, candle, paper clip, egg) 7.6.2 Summarize the application of the law of conservation of energy in real world situations: electrical energy into mechanical energy; electrical energy into heat; chemical energy into mechanical energy; chemical energy into light
Laser Light Show 51	NS: 1.6.5 Communicate results and conclusions from scientific inquiry
Virtual Reality Simulator Ride 2	NS: 1.6.5 Communicate results and conclusions from scientific inquiry
Tesla Coil/Van de Graaff Demonstration 58, 59	NS: 1.6.5 Communicate results and conclusions from scientific inquiry
Rowland Emmett's Chitty-Chitty Bang-Bang exhibits 1	NS: 1.6.5 Communicate results and conclusions from scientific inquiry
Nature Trail	NS: 1.6.5 Communicate results and conclusions from scientific inquiry
Underground Arkansas Cave 25	NS: 1.6.5 Communicate results and conclusions from scientific inquiry

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