

**Structures** 5, 6, 7, 8

**Mirror Hall**

9, 10, 11, 12, 13, 14, 15, 16,  
17, 18, 19, 20, 21, 22, 23

PS: 7.8.6 Explain how energy is transferred through waves: seismic waves, sound waves, water waves, electromagnetic waves  
7.8.8 Differentiate among reflection, refraction, and absorption of various types of waves

**Energy Island**

26, 27, 28, 29, 30, 31, 32,  
33, 34, 35, 37

PS: 7.8.6 Explain how energy is transferred through waves: seismic waves, sound waves, water waves, electromagnetic waves  
7.8.8 Differentiate among reflection, refraction, and absorption of various types of waves

**Earth Science/Weather**

3, 46, 47, 48, 49, 50, 52,  
53, 54, 55, 56

PS: 6.8.1 Model how motion and forces change Earth's surface: compression, tension, weathering, erosion  
7.8.6 Explain how energy is transferred through waves: seismic waves, sound waves, water waves, electromagnetic waves  
ESS: 8.8.3 Conduct investigations to compare and contrast different landforms found on Earth: mountains, plateaus, plains  
8.8.4 Synthesize and model the result of both constructive and destructive forces on land forms: deposition, erosion, weathering, crustal deformation  
8.8.6 Research local, regional, and state landforms created by external forces on Earth: Gulf Coastal Plain, Arkansas River Valley, Mississippi Alluvial Plain, including the delta region, Crowley's Ridge

Matter Island 4, 24, 38, 39, 40, 41, 42, 43, 44, 45

Virtual Reality Simulator Ride 2

Tesla Coil/Van de Graaff Demonstration 58, 59

Rowland Emmett's Chitty-Chitty Bang-Bang exhibits 1

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**Key:** NS.1.8.1 = Nature of Science. Standard 1. 8th grade. 1st Student Learning Expectation. LS= Life Science. PS=Physical Science. ESS=Earth and Space Science