

**Structures**

5, 6, 7, 8

NS: 1.1.1 Communicate observations orally, in writing, and in graphic organizers: T-charts and pictographs  
 1.1.2 Ask questions based on observations  
 1.1.3 Conduct scientific investigations as a class and in teams: lab activities and field studies  
 1.1.7 Use age appropriate equipment and tools in scientific investigations (e.g., balances, hand lenses, rulers, and thermometers)

PS: 5.1.1 Compare and contrast objects according to the single properties of size, color, shape, texture, and/or magnetism

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

NS: 1.1.1 Communicate observations orally, in writing, and in graphic organizers: T-charts and pictographs  
 1.1.2 Ask questions based on observations  
 1.1.3 Conduct scientific investigations as a class and in teams: lab activities and field studies  
 1.1.5 Collect measurable empirical evidence as a class and in teams  
 1.1.7 Use age appropriate equipment and tools in scientific investigations (e.g., balances, hand lenses, rulers, and thermometers)

PS: 5.1.1 Compare and contrast objects according to the single properties of size, color, shape, texture, and/or magnetism

**Underground Arkansas  
Cave**

25

NS: 1.1.1 Communicate observations orally, in writing, and in graphic organizers: T-charts and pictographs  
 1.1.2 Ask questions based on observations  
 1.1.5 Collect measurable empirical evidence as a class and in teams

PS: 5.1.1 Compare and contrast objects according to the single properties of size, color, shape, texture, and/or magnetism

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

NS: 1.1.1 Communicate observations orally, in writing, and in graphic organizers: T-charts and pictographs  
 1.1.2 Ask questions based on observations  
 1.1.3 Conduct scientific investigations as a class and in teams: lab activities and field studies  
 1.1.5 Collect measurable empirical evidence as a class and in teams  
 1.1.6 Make predictions as a class and in teams based upon empirical evidence (e.g., predict which object is heavier)  
 1.1.7 Use age appropriate equipment and tools in scientific investigations (e.g., balances, hand lenses, rulers, and thermometers)

PS: 5.1.1 Compare and contrast objects according to the single properties of size, color, shape, texture, and/or magnetism  
 6.1.1 List orally the various ways that objects can move, including but not limited to: straight, zig-zag, back and forth, round and round, fast and slow  
 7.1.2 Investigate the properties of transparent and opaque objects (e.g., plastic wrap and aluminum foil)  
 7.1.6 Classify materials as magnetic or nonmagnetic  
 7.1.7 Investigate the properties of magnets: attraction and repulsion

**Key:** NS.1.1.1 = Nature of Science. Standard 1. 1st grade. 1st Student Learning Expectation. LS: Life Science. PS: Physical Science. ESS: Earth and Space Science

**Earth Science/Weather**

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

NS: 1.1.1 Communicate observations orally, in writing, and in graphic organizers: T-charts and pictographs  
 1.1.2 Ask questions based on observations  
 1.1.3 Conduct scientific investigations as a class and in teams: lab activities and field studies  
 1.1.5 Collect measurable empirical evidence as a class and in teams  
 1.1.6 Make predictions as a class and in teams based upon empirical evidence (e.g., predict which object is heavier)  
 1.1.7 Use age appropriate equipment and tools in scientific investigations (e.g., balances, hand lenses, rulers, and thermometers)

LS: 2.1.1 Classify animals according to common characteristics (e.g., movement, body coverings, diet)

PS: 5.1.1 Compare and contrast objects according to the single properties of size, color, shape, texture, and/or magnetism  
 6.1.1 List orally the various ways that objects can move, including but not limited to: straight, zig-zag, back and forth, round and round, fast and slow

ESS: 8.1.1 Identify the features of major landforms  
 8.1.2 Identify common uses of Earth's resources

**Matter Island**

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

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 1.1.2 Ask questions based on observations  
 1.1.3 Conduct scientific investigations as a class and in teams: lab activities and field studies  
 1.1.5 Collect measurable empirical evidence as a class and in teams  
 1.1.6 Make predictions as a class and in teams based upon empirical evidence (e.g., predict which object is heavier)  
 1.1.7 Use age appropriate equipment and tools in scientific investigations (e.g., balances, hand lenses, rulers, and thermometers)

PS: 5.1.1 Compare and contrast objects according to the single properties of size, color, shape, texture, and/or magnetism  
 5.1.2 Identify characteristics of solids and liquids  
 6.1.1 List orally the various ways that objects can move, including but not limited to: straight, zig-zag, back and forth, round and round, fast and slow  
 6.1.2 Investigate the relationship between mass and weight (e.g., identical filled and empty containers)  
 7.1.2 Investigate the properties of transparent and opaque objects (e.g., plastic wrap and aluminum foil)

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**Tesla Coil/Van de Graaff  
Demonstration**  
58, 59

NS: 1.1.1 Communicate observations orally, in writing, and in graphic organizers: T-charts and pictographs  
1.1.2 Ask questions based on observations

PS: 5.1.1 Compare and contrast objects according to the single properties of size, color, shape, texture, and/or magnetism  
7.1.5 Demonstrate methods of producing static electricity (e.g., balloons, shuffling across carpet)

**Virtual Reality Simulator  
Ride**  
2

NS: 1.1.1 Communicate observations orally, in writing, and in graphic organizers: T-charts and pictographs  
1.1.2 Ask questions based on observations

PS: 5.1.1 Compare and contrast objects according to the single properties of size, color, shape, texture, and/or magnetism  
6.1.1 List orally the various ways that objects can move, including but not limited to: straight, zig-zag, back and forth, round and round, fast and slow

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

NS: 1.1.1 Communicate observations orally, in writing, and in graphic organizers: T-charts and pictographs  
1.1.2 Ask questions based on observations

PS: 5.1.1 Compare and contrast objects according to the single properties of size, color, shape, texture, and/or magnetism  
6.1.1 List orally the various ways that objects can move, including but not limited to: straight, zig-zag, back and forth, round and round, fast and slow

**Cretaceous Park**

LS.2.1.1 Classify animals according to common characteristics (e.g., movement, body coverings, diet)

**Nature Trail**

NS: 1.1.1 Communicate observations orally, in writing, and in graphic organizers: T-charts and pictographs  
1.1.2 Ask questions based on observations

LS: 2.1.1 Classify animals according to common characteristics (e.g., movement, body coverings, diet)

PS: 5.1.1 Compare and contrast objects according to the single properties of size, color, shape, texture, and/or magnetism

**Key:** NS.1.1.1 = Nature of Science. Standard 1. 1st grade. 1st Student Learning Expectation. LS: Life Science. PS: Physical Science. ESS: Earth and Space Science