

APPENDIXES

Appendix A - Standards

Appendix B - Directions

Appendix C - Annotated Bibliography

Appendix D - Blackline Masters

APPENDIXES

	EXPEDITION #1 What is a Magnet?	EXCURSIONS for Expedition #1
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>C.2. understands the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.2. understands that most natural events occur in comprehensible, consistent patterns</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>B.2. understands the interaction of matter and energy</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>F.2. understands the process and importance of genetic diversity</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		
Sunshine State Standards - Language Arts	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>C.3. uses speaking strategies effectively</p> <p>E.1. understands the common features of a variety of literary forms</p>	<p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>D.2. understands the nature of language</p> <p>E.1. understands the common features of a variety of literary forms</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
Sunshine State Standards - Social Studies		<p>A.2. the world from its beginnings to the time of the Renaissance</p> <p>A.3. Western and Eastern civilization since the Renaissance</p> <p>A.4. U.S. history to 1880</p>

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	EXPEDITION #2 What Objects do Magnets Attract?	EXCURSIONS for Expedition #2
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>A.1. understands that all matter has observable, measurable properties</p> <p>A.2. understands the basic principles of atomic theory</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.2. understands that most natural events occur in comprehensible, consistent patterns</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics	<p>A.1. different ways numbers are represented and used in the real world</p> <p>B.1. measures quantities in the real world and uses the measures to solve problems</p> <p>B.4. selects and uses appropriate units and instruments for measurement to achieve the degree of precision and accuracy required in real-world situations</p> <p>C.3. uses coordinate geometry to locate objects in both two and three dimensions and to describe objects algebraically</p> <p>D.1. describes, analyzes, and generalizes a wide variety of patterns, relations, and functions</p> <p>E.1. uses the tools of data analysis for managing information</p> <p>E.3. uses statistical methods to make inferences and valid arguments about real-world situations</p>	
Sunshine State Standards - Language Arts	<p>A.1. uses the reading process effectively</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>C.3. uses speaking strategies effectively</p> <p>D.2. understands the power of language</p>	<p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>D.1. understands the nature of language</p> <p>D.2. understands the power of language</p> <p>E.1. understands the common features of a variety of literary forms</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
Sunshine State Standards - Social Studies		

	EXPEDITION #3 Viewing a Magnetic Field	EXCURSIONS for Expedition #3
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>D. structure of the earth system, Earth's history, Earth in the solar system</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>D. structure of the earth system, Earth's history, Earth in the solar system</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>A.2. understands the basic principles of atomic theory</p> <p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>B.2. understands the interaction of matter and energy</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>E.1. understands the interaction and organization in the Solar System and the universe and how this affects life on Earth</p> <p>E.2. recognizes the vastness of the universe and the Earth's place in it</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.2. understands that most natural events occur in comprehensible, consistent patterns</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>C.1. understands that types of motion may be described, measured, and predicted</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>E.2. recognizes the vastness of the universe and the Earth's place in it</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.2. understands that most natural events occur in comprehensible, consistent patterns</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		
Sunshine State Standards - Language Arts	<p>A.1. uses the reading process effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>C.3. uses speaking strategies effectively</p>	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
Sunshine State Standards - Social Studies		

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	EXPEDITION #4 Visualizing Magnetic Field Lines	EXCURSIONS for Expedition #4
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>C.1. understands that types of motion may be described, measured, and predicted</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>E.1. understands the interaction and organization in the Solar System and the universe and how this affects life on Earth</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.2. understands that most natural events occur in comprehensible, consistent patterns</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		
Sunshine State Standards - Language Arts	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p>	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>C.3. uses speaking strategies effectively</p>
Sunshine State Standards - Social Studies		<p>C.2. understands the role of the citizen in American democracy</p> <p>D.1. understands how scarcity requires individuals and institutions to make choices about how to use resources</p> <p>D.2. understands the characteristics of different economic systems and institutions</p>

	EXPEDITION #5 Drawing Magnetic Field Lines	EXCURSIONS for Expedition #5
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>D. structure of the earth system, Earth's history, Earth in the solar system</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>D. structure of the earth system, Earth's history, Earth in the solar system</p>
Sunshine State Standards - Science	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.2. understands that most natural events occur in comprehensible, consistent patterns</p>	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		
Sunshine State Standards - Language Arts	<p>A.2. constructs meaning from a wide range of texts</p>	<p>A.2. constructs meaning from a wide range of texts</p>
Sunshine State Standards - Social Studies	<p>A.2. the world from its beginnings to the time of the Renaissance</p> <p>A.3. Western and Eastern civilization since the Renaissance</p>	<p>A.2. the world from its beginnings to the time of the Renaissance</p> <p>A.3. Western and Eastern civilization since the Renaissance</p>

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	EXPEDITION #6 North and South Poles-Not Just Polar Bears and Penguins	EXCURSIONS for Expedition #6
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p>	<p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>B.2. understands the interaction of matter and energy</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>E.1. understands the interaction and organization in the Solar System and the universe and how this affects life on Earth</p> <p>G.2. understands the consequences of using limited natural resources</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.2. understands that most natural events occur in comprehensible, consistent patterns</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		
Sunshine State Standards - Language Arts	<p>B.1. writes to communicate ideas and information effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>D.2. understands the power of language</p> <p>E.1. understands the common features of a variety of literary forms</p>	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. writes to communicate ideas and information effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>D.1. understands the nature of language</p> <p>D.2. understands the power of language</p> <p>E.1. understands the common features of a variety of literary forms</p>
Sunshine State Standards - Social Studies		<p>A.1. understands historical chronology and the historical perspective</p>

	EXPEDITION #7 Earth's Magnetosphere	EXCURSIONS for Expedition #7
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>A.2. understands the basic principles of atomic theory</p> <p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>C.1. understands that types of motion may be described, measured, and predicted</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>G.1. understands the competitive, interdependent, cyclic nature of living things in the environment</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p>	<p>C.1. understands that types of motion may be described, measured, and predicted</p> <p>D.1. recognizes that processes in the lithosphere, atmosphere, hydrosphere, and biosphere interact to shape the Earth</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.2. understands that most natural events occur in comprehensible, consistent patterns</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics	<p>A.4. estimation in problem solving and computation</p> <p>B.1. measures quantities in the real world and uses the measures to solve problems</p> <p>B.4. selects and uses appropriate units an instrumetns for measurement to achieve the degree of precision and accuracy required in real-world situations</p>	
Sunshine State Standards - Language Arts	<p>A.2. constructs meaning from a wide range of texts</p> <p>C.1. uses listening strategies effectively</p> <p>C.2. uses viewing strategies effectively</p> <p>C.3. uses speaking strategies effectively</p> <p>D.1. understands the nature of language</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>D.2. understands the power of language</p>
Sunshine State Standards - Social Studies	<p>A.1. understands historical chronology and the historical perspective</p> <p>B.1. understands the world in spatial terms</p>	

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	EXPEDITION #8 Blocking the Field	EXCURSIONS for Expedition #8
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>D. structure of the earth system, Earth's history, Earth in the solar system</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>D. structure of the earth system, Earth's history, Earth in the solar system</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>A.2. understands the basic principles of atomic theory</p> <p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>B.2. understands the interaction of matter and energy</p> <p>C.1. understands that types of motion may be described, measured, and predicted</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.2. understands that most natural events occur in comprehensible, consistent patterns</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics	<p>A.3. effects of operations on numbers and the relationships among these operations, selects appropriate operations, and computes for problem solving</p> <p>B.4. selects and uses appropriate units and instruments for measurement to achieve the degree of precision and accuracy required in real-world situations</p> <p>E.1. uses the tools of data analysis for managing information</p>	<p>A.1. different ways numbers are represented and used in the real world</p> <p>C.1. describes, draws, identifies, and analyzes two- and three-dimensional shapes</p> <p>D.2. uses expressions, equations, inequalities, graphs, and formulas to represent and interpret situations</p> <p>E.1. uses the tools of data analysis for managing information</p>
Sunshine State Standards - Language Arts	<p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>	<p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>D.2. understands the power of language</p>
Sunshine State Standards - Social Studies	<p>B.1. understands the world in spatial terms</p>	<p>A.1. understands historical chronology and the historical perspective</p> <p>B.1. understands the world in spatial terms</p>

	EXPEDITION #9 Use Electricity to Make a Magnet	EXCURSIONS for Expedition #9
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>A.1. understands that all matter has observable, measurable properties</p> <p>A.2. understands the basic principles of atomic theory</p> <p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>A.2. understands the basic principles of atomic theory</p> <p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>G.2. understands the consequences of using limited natural resources</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		
Sunshine State Standards - Language Arts	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>D.2. understands the power of language</p> <p>E.1. understands the common features of a variety of literary forms</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>D.1. understands the nature of language</p> <p>D.2. understands the power of language</p> <p>E.1. understands the common features of a variety of literary forms</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
Sunshine State Standards - Social Studies		<p>A.1. understands historical chronology and the historical perspective</p> <p>A.2. understands the world from its beginnings to the time of the Renaissance</p> <p>C.2. understands the role of the citizen in American democracy</p>

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	EXPEDITION #10 Build a Stronger Electromagnet	EXCURSIONS for Expedition #10
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>C. structure and function in living systems, reproduction and heredity, regulation and behavior, populations and ecosystems, diversity and adaptations of organisms</p> <p>D. structure of the earth system, Earth's history, earth in the solar system</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes of properties in matter, motions and forces, and transfer of energy</p> <p>C. structure and function in living systems, reproduction and heredity, regulation and behavior, populations and ecosystems, diversity and adaptations of organisms</p> <p>D. structure of the earth system, Earth's history, earth in the solar system</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.1. recognizes that processes in the lithosphere, atmosphere, hydrosphere, and biosphere interact to shape the Earth</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>G.1. understands the competitive, interdependent, cyclic nature of living things in the environment</p> <p>G.2. understands the consequences of using limited natural resources</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p>	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics	<p>A.4. estimation in problem solving and computation</p> <p>B.3. estimates measurements in real-world problem situations</p> <p>B.4. selects and uses appropriate units an instrumetns for measurement to achieve the degree of precision and accuracy required in real-world situations</p> <p>D.1. describes, analyzes, and generalizes a wide variety of patterns, relations, and functions</p> <p>E.1. uses the tools of data analysis for managing information</p> <p>E.3. uses statistical methods to make inferences and valid arguments about real-world situations</p>	<p>A.4. estimation in problem solving and computation</p> <p>B.1. measures quantities in the real world and uses the measures to solve problems</p> <p>B.3. estimates measurements in real-world problem situations</p> <p>B.4. selects and uses appropriate units an instrumetns for measurement to achieve the degree of precision and accuracy required in real-world situations</p>
Sunshine State Standards - Language Arts	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>C.3. uses speaking strategies effectively</p> <p>D.1. understands the nature of language</p> <p>D.2. understands the power of language</p>	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>D.2. understands the power of language</p>
Sunshine State Standards - Social Studies		<p>A.1. understands historical chronology and the historical perspective</p> <p>A.2. understands the world from its beginnings to the time of the Renaissance</p> <p>A.3. understands Western and Eastern civilization since the Renaissance</p>

	EXPEDITION #11 Auroras, Moon Rocks, and Magnetism	EXCURSIONS for Expedition #11
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>D. structure of the earth system, Earth's history, Earth in the solar system</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>D. structure of the earth system, Earth's history, Earth in the solar system</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>E.1. understands the interaction and organization in the Solar System and the universe and how this affects life on Earth</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>A.2. understands the basic principles of atomic theory</p> <p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>B.2. understands the interaction of matter and energy</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.1. recognizes that processes in the lithosphere, atmosphere, hydrosphere, and biosphere interact to shape the Earth</p> <p>E.1. understands the interaction and organization in the Solar System and the universe and how this affects life on Earth</p> <p>E.2. recognizes the vastness of the universe and the Earth's place in it</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.2. understands that most natural events occur in comprehensible, consistent patterns</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		<p>C.1. describes, draws, identifies, and analyzes two- and three-dimensional shapes</p>
Sunshine State Standards - Language Arts	<p>A.2. constructs meaning from a wide range of texts</p> <p>B.2. writes to communicate ideas and information effectively</p>	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>D.2. understands the power of language</p> <p>E.1. understands the common features of a variety of literary forms</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
Sunshine State Standards - Social Studies		

APPENDIX A - STANDARDS

	EXPEDITION #12 Magnetism in Space	EXCURSIONS for Expedition #12
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>A.2. understands the basic principles of atomic theory</p> <p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>E.1. understands the interaction and organization in the Solar System and the universe and how this affects life on Earth</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p>	<p>A.2. understands the basic principles of atomic theory</p> <p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>B.2. understands the interaction of matter and energy</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.1. recognizes that processes in the lithosphere, atmosphere, hydrosphere, and biosphere interact to shape the Earth</p> <p>E.1. understands the interaction and organization in the Solar System and the universe and how this affects life on Earth</p> <p>E.2. recognizes the vastness of the universe and the Earth's place in it</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.2. understands that most natural events occur in comprehensible, consistent patterns</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		<p>C.1. describes, draws, identifies, and analyzes two- and three-dimensional shapes</p>
Sunshine State Standards - Language Arts	<p>A.2. constructs meaning from a wide range of texts</p> <p>B.2. writes to communicate ideas and information effectively</p>	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>D.2. understands the power of language</p> <p>E.1. understands the common features of a variety of literary forms</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
Sunshine State Standards - Social Studies		

	EXPEDITION #13 Magnets and Work	EXCURSIONS for Expedition #13
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p>
Sunshine State Standards - Science	<p>A.1. understands that all matter has observable, measurable properties</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>A.1. understands that all matter has observable, measurable properties</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		
Sunshine State Standards - Language Arts		
Sunshine State Standards - Social Studies		

APPENDIX A - STANDARDS

	EXPEDITION #14 Magnetism and Temperature	EXCURSIONS for Expedition #14
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>A.1. understands that all matter has observable, measurable properties</p> <p>A.2. understands the basic principles of atomic theory</p> <p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>A.1. understands that all matter has observable, measurable properties</p> <p>A.2. understands the basic principles of atomic theory</p> <p>B.1. recognizes that energy may be changed in form with varying efficiency</p> <p>C.1. understands that types of motion may be described, measured, and predicted</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics	<p>A.1. different ways numbers are represented and used in the real world</p> <p>B.1. measures quantities in the real world and uses the measures to solve problems</p> <p>B.2. compares, contrasts, and converts within systems of measurement (both standard/nonstandard and metric/customary)</p> <p>B.3. estimates measurements in real-world problem situations</p> <p>B.4. selects and uses appropriate units an instrumentns for measurement to achieve the degree of precision and accuracy required in real-world situations</p> <p>C.3. uses coordinate geometry to locate objects in both two and three dimensions and to describe objects algebraically</p> <p>D.1 describes, analyzes, and generalizes a wide variety of patterns, relations, and functions</p> <p>E.1. uses the tools of data analysis for managing information</p> <p>E.2. identifies patterns and makes predictions from an orderly display of data using concepts of probablility and statistics</p> <p>E.3. uses statistical methods to make inferences and valid arguments about real-world situations</p>	<p>A.1. different ways numbers are represented and used in the real world</p>
Sunshine State Standards - Language Arts		<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.3. uses speaking strategies effectively</p> <p>D.2. understands the power of language</p>
Sunshine State Standards - Social Studies		<p>A.1. understands historical chronology and the historical perspective</p> <p>A.2. understands the world from its beginnings to the time of the Renaissance</p>

	EXPEDITION #15 Build a Maglev Train Model	EXCURSIONS for Expedition #15
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>B.2. understands the interaction of matter and energy</p> <p>C.1. understands that types of motion may be described, measured, and predicted</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>G.2. understands the consequences of using limited natural resources</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>E.1. understands the interaction and organization in the Solar System and the universe and how this affects life on Earth</p> <p>F.2. understands the process and importance of genetic diversity</p> <p>G.2. understands the consequences of using limited natural resources</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		
Sunshine State Standards - Language Arts	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>C.2. uses viewing strategies effectively</p>	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>C.2. uses viewing strategies effectively</p> <p>D.2. understands the power of language</p> <p>E.1. understands the common features of a variety of literary forms</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
Sunshine State Standards - Social Studies	<p>A.1. understands historical chronology and the historical perspective</p> <p>A.2. understands the world from its beginnings to the time of the Renaissance</p> <p>B.1. understands the world in spatial terms</p> <p>C.1. understands the structure, functions, and purposes of government and how the principles and values of American democracy are reflected in American constitutional government</p> <p>C.2. understands the role of the citizen in American democracy</p> <p>D.2. understands the characteristics of different economic systems and institutions</p>	

APPENDIX A - STANDARDS

	<p style="text-align: center;">EXPEDITION #16 Model Train Competition</p>	<p style="text-align: center;">EXCURSIONS for Expedition #16</p>
<p>National Science Education Standards</p>	<p>A. scientific inquiry and understandings about scientific inquiry E. abilities of technological design, understandings about science and technology F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry E. abilities of technological design, understandings about science and technology F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society G. science as a human endeavor, nature of science, history of science</p>
<p>Sunshine State Standards - Science</p>	<p>B.2. understands the interaction of matter and energy C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted G.2. understands the consequences of using limited natural resources H.1. uses the scientific processes and habits of mind to solve problems H.3. understands that science, technology, and society are interwoven and interdependent</p>	
<p>Sunshine State Standards - Mathematics</p>		
<p>Sunshine State Standards - Language Arts</p>		<p>A.1. uses the reading process effectively A.2. constructs meaning from a wide range of texts B.1. uses writing processes effectively E.1. understands the common features of a variety of literary forms</p>
<p>Sunshine State Standards - Social Studies</p>		

	EXPEDITION #17 Understanding a Compass	EXCURSIONS for Expedition #17
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>C.1. understands that types of motion may be described, measured, and predicted</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		
Sunshine State Standards - Language Arts	<p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p>	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>C.1. uses listening strategies effectively</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
Sunshine State Standards - Social Studies	<p>A.1. understands historical chronology and the historical perspective</p> <p>A.2. understands the world from its beginnings to the time of the Renaissance</p> <p>A.3. understands Western and Eastern civilization since the Renaissance</p> <p>B.1. understands the world in spatial terms</p>	<p>A.1. understands historical chronology and the historical perspective</p> <p>A.3. understands Western and Eastern civilization since the Renaissance</p>

APPENDIX A - STANDARDS

	<p style="text-align: center;">EXPEDITION #18 Build a Compass</p>	<p style="text-align: center;">EXCURSIONS for Expedition #18</p>
<p>National Science Education Standards</p>	<p>A. scientific inquiry and understandings about scientific inquiry B. properties and changes in matter, motions and forces, transfer of energy D. structure of the earth system, Earth's history, Earth in the solar system E. abilities of technological design, understandings about science and technology G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry B. properties and changes in matter, motions and forces, transfer of energy D. structure of the earth system, Earth's history, Earth in the solar system E. abilities of technological design, understandings about science and technology G. science as a human endeavor, nature of science, history of science</p>
<p>Sunshine State Standards - Science</p>	<p>C.1. understands that types of motion may be described, measured, and predicted C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted E.1. understands the interaction and organization in the Solar System and the universe and how this affects life on Earth E.2. recognizes the vastness of the universe and the Earth's place in it H.1. uses the scientific processes and habits of mind to solve problems H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>H.1. uses the scientific processes and habits of mind to solve problems H.2. understands that most natural events occur in comprehensible, consistent patterns H.3. understands that science, technology, and society are interwoven and interdependent</p>
<p>Sunshine State Standards - Mathematics</p>		
<p>Sunshine State Standards - Language Arts</p>	<p>B.1. uses writing processes effectively B.2. writes to communicate ideas and information effectively</p>	<p>B.1. uses writing processes effectively B.2. writes to communicate ideas and information effectively</p>
<p>Sunshine State Standards - Social Studies</p>		

	EXPEDITION #19 Make a Map Using a Compass	EXCURSIONS for Expedition #19
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p>
Sunshine State Standards - Science	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.1. recognizes that processes in the lithosphere, atmosphere, hydrosphere, and biosphere interact to shape the Earth</p> <p>G.2. understands the consequences of using limited natural resources</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		
Sunshine State Standards - Language Arts	<p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>C.3. uses speaking strategies effectively</p>	<p>C.1. uses listening strategies effectively</p> <p>C.2. uses viewing strategies effectively</p> <p>C.3. uses speaking strategies effectively</p> <p>E.1. understands the common features of a variety of literary forms</p>
Sunshine State Standards - Social Studies	<p>A.6. understands the history of Florida and its people</p> <p>B.1. understands the world in spatial terms</p>	<p>A.6. understands the history of Florida and its people</p> <p>B.1. understands the world in spatial terms</p>

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	EXPEDITION #20 Build a Trash Separator Model	EXCURSIONS for Expedition #20
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>B.2. understands the interaction of matter and energy</p> <p>C.1. understands that types of motion may be described, measured, and predicted</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>G.2. understands the consequences of using limited natural resources</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>	<p>B.2. understands the interaction of matter and energy</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.1. recognizes that processes in the lithosphere, atmosphere, hydrosphere, and biosphere interact to shape the Earth</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>E.1. understands the interaction and organization in the Solar System and the universe and how this affects life on Earth</p> <p>G.1. understands the competitive, interdependent, cyclic nature of living things in the environment</p> <p>G.2. understands the consequences of using limited natural resources</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics		
Sunshine State Standards - Language Arts	<p>A.2. constructs meaning from a wide range of texts</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>C.3. uses speaking strategies effectively</p>	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>C.3. uses speaking strategies effectively</p>
Sunshine State Standards - Social Studies		

	EXPLORATION A Cow Magnets
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>C. structure and function in living systems, reproduction and heredity, regulation and behavior, populations and ecosystems, diversity and adaptations of organisms</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>F.1. describes patterns of structure and function in living things</p> <p>G.1. understands the competitive, interdependent, cyclic nature of living things in the environment</p> <p>G.2. understands the consequences of using limited natural resources</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics	
Sunshine State Standards - Language Arts	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>C.2. uses viewing strategies effectively</p> <p>C.3. uses speaking strategies effectively</p> <p>D2. understands the power of language</p> <p>E.1. understands the common features of a variety of literary forms</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
Sunshine State Standards - Social Studies	<p>A.1. understands historical chronology and the historical perspective</p> <p>A.2. understands the world from its beginnings to the time of the Renaissance</p> <p>A.4. understands U.S. history to 1880</p> <p>A.5. understands U.S. history from 1880 to the present day</p> <p>D.2. understands the characteristics of different economic systems and institutions</p>

APPENDIX A - STANDARDS

	EXPLORATION B Pole Reversal
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry B. properties and changes in matter, motions and forces, transfer of energy C. structure and function in living systems, reproduction and heredity, regulation and behavior, populations and ecosystems, diversity and adaptations of organisms D. structure of the earth system, Earth's history, earth in the solar system F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>B.1. recognizes that energy may be changed in form with varying efficiency C.1. understands that types of motion may be described, measured, and predicted C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted F.2. understands the process and importance of genetic diversity H.1. uses the scientific processes and habits of mind to solve problems H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics	
Sunshine State Standards - Language Arts	<p>A.1. uses the reading process effectively A.2. constructs meaning from a wide range of texts B.1. uses writing processes effectively B.2. writes to communicate ideas and information effectively C.3. uses speaking strategies effectively D.2 understands the power of language E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
Sunshine State Standards - Social Studies	

	EXPLORATION C Myths and Magnetism
National Science Education Standards	<p>A. scientific inquiry and understandings about scientific inquiry</p> <p>B. properties and changes in matter, motions and forces, transfer of energy</p> <p>C. structure and function in living systems, reproduction and heredity, regulation and behavior, populations and ecosystems, diversity and adaptations of organisms</p> <p>E. abilities of technological design, understandings about science and technology</p> <p>F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society</p> <p>G. science as a human endeavor, nature of science, history of science</p>
Sunshine State Standards - Science	<p>B.2. understands the interaction of matter and energy</p> <p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted</p> <p>D.2. understands the need for protection of the natural systems on Earth</p> <p>G.2. understands the consequences of using limited natural resources</p> <p>H.1. uses the scientific processes and habits of mind to solve problems</p> <p>H.3. understands that science, technology, and society are interwoven and interdependent</p>
Sunshine State Standards - Mathematics	
Sunshine State Standards - Language Arts	<p>A.1. uses the reading process effectively</p> <p>A.2. constructs meaning from a wide range of texts</p> <p>B.1. uses writing processes effectively</p> <p>B.2. writes to communicate ideas and information effectively</p> <p>C.1. uses listening strategies effectively</p> <p>D.1. understands the nature of language</p> <p>D.2. understands the power of language</p> <p>E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
Sunshine State Standards - Social Studies	

APPENDIX A - STANDARDS

	<p style="text-align: center;">EXPLORATION D Animal Magnetism</p>
<p>National Science Education Standards</p>	<p>A. scientific inquiry and understandings about scientific inquiry B. properties and changes in matter, motions and forces, transfer of energy C. structure and function in living systems, reproduction and heredity, regulation and behavior, populations and ecosystems, diversity and adaptations of organisms D. structure of the earth system, Earth's history, earth in the solar system G. science as a human endeavor, nature of science, history of science</p>
<p>Sunshine State Standards - Science</p>	<p>C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted F.1. describes patterns of structure and function in living things F.2. understands the process and importance of genetic diversity G.1. understands the competitive, interdependent, cyclic nature of living things in the environment H.1. uses the scientific processes and habits of mind to solve problems H.3. understands that science, technology, and society are interwoven and interdependent</p>
<p>Sunshine State Standards - Mathematics</p>	
<p>Sunshine State Standards - Language Arts</p>	<p>A.1. uses the reading process effectively A.2. constructs meaning from a wide range of texts B.1. uses writing processes effectively C.3. uses speaking strategies effectively D.2. understands the power of language E.1. understands the common features of a variety of literary forms E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
<p>Sunshine State Standards - Social Studies</p>	

	<p style="text-align: center;">EXPLORATION E Practical Applications</p>
<p>National Science Education Standards</p>	<p>A. scientific inquiry and understandings about scientific inquiry B. properties and changes in matter, motions and forces, transfer of energy C. structure and function in living systems, reproduction and heredity, regulation and behavior, populations and ecosystems, diversity and adaptations of organisms E. abilities of technological design, understandings about science and technology F. personal health, populations, resources, and environments, natural hazards, risks and benefits, science and technology in society G. science as a human endeavor, nature of science, history of science</p>
<p>Sunshine State Standards - Science</p>	<p>B.1. recognizes that energy may be changed in form with varying efficiency C.2. understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted D.2. understands the need for protection of the natural systems on Earth G.2. understands the consequences of using limited natural resources H.1. uses the scientific processes and habits of mind to solve problems H.3. understands that science, technology, and society are interwoven and interdependent</p>
<p>Sunshine State Standards - Mathematics</p>	
<p>Sunshine State Standards - Language Arts</p>	<p>A.1. uses the reading process effectively A.2. constructs meaning from a wide range of texts B.1. uses writing processes effectively B.2. writes to communicate ideas and information effectively C.1. uses listening strategies effectively C.2. uses viewing strategies effectively C.3. uses speaking strategies effectively D.2. understands the power of language E.2. responds critically to fiction, nonfiction, poetry, and drama</p>
<p>Sunshine State Standards - Social Studies</p>	

APPENDIX A - STANDARDS