



Amanda Comeau

*Sparking Imaginative Learning*

Mad Science of Pittsburgh Program Director



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<p><i>Grade 4</i>  <b>Pennsylvania Science &amp; Technology Standards</b></p>	<p><b>Mad Science Programs</b>  <i>aligned with this standard:</i></p>
<p><b>3.1 UNIFYING THEMES</b>            A. Know that natural and human-made objects are made up of parts.</p>	<p><b>All About Animals</b>            Get Connected            Radical Robots            Moving Motion            Life in the Sea            Super Power Sources            Bugs!  <b>Earthworks</b>  <b>Mad Machines</b>            Science of Toys</p>
<p><b>3.1 UNIFYING THEMES</b>            B. Know models as useful simplifications of objects or processes.</p>	<p>Bugs!            Detective Science            Earthworks  <b>Walloping Weather</b>            Junior Reactors            Slime Time            Life in the Sea            Mix it up            Super Power Sources  <b>Planets and Moons</b>            Atmosphere and Beyond            Space Phenomena            Sun and Stars            Rocket Science            Space Technology            Living in Space            All 5 Eureka Units</p>
<p><b>3.1 UNIFYING THEMES</b>            C. Illustrate patterns that regularly occur and reoccur in nature.</p>	<p>Earthworks            Walloping Weather</p>
<p><b>3.1 UNIFYING THEMES</b>            D. Know that scale is an important attribute of natural and human made objects, events, and phenomena.</p>	<p>Bugs!            Detective Science            Earthworks            Walloping Weather            Junior Reactors            Slime Time            Life in the Sea</p>



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	<p>Mix it up            Super Power Sources            Planets and Moons            Atmosphere and Beyond            Space Phenomena            Sun and Stars            Rocket Science            Space Technology            Living in Space            All 5 Eureka Units</p>
<p><b>3.1 UNIFYING THEMES</b>            E. Recognize change in natural and physical systems.</p>	<p>Moving motion            Earthworks            Science of Toys            Planets and Moons            pH Phactor  <b>Dry Ice Capades</b>            Slime Time  <b>Chem in a Flash</b>            Kitchen Chemistry            Glow Show            Junior Reactors</p>
<p><b>3.2 INQUIRY AND DESIGN</b>            A. Identify and use the nature of scientific and technological knowledge.</p>	<p><i>All Mad Science Programs</i></p>
<p><b>3.2 INQUIRY AND DESIGN</b>            B. Describe objects in the world using five senses</p>	<p>Movie Effects            Get Connected            Radical Robots            pH Phactor            Dry Ice Capades            Slime Time            Chem in a Flash            Kitchen Chemistry            Glow Show            Detective Science            Mix it up</p>
<p><b>3.2 INQUIRY AND DESIGN</b>            C. Recognize and use the elements of scientific inquiry to solve problems.</p>	<p><i>All Mad Science Programs</i></p>
<p><b>3.2 INQUIRY AND DESIGN</b>            D. Recognize and use the technological design process to solve problems.</p>	<p>Get Connected            Radical Robots            Super Power Sources            Rocket Science            Space Travel            Space Technology            Living In Space  <i>All Eureka! Programs</i></p>



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<p><b>3.3 BIOLOGICAL SCIENCES</b> A. Know the similarities and differences of living things.</p>	<p>All about Animals Bugs! Live in the Sea Atmosphere and Beyond Living in Space Shipwrecked</p>
<p><b>3.3 BIOLOGICAL SCIENCES</b> B. Know that living things are made up of parts and have specific functions.</p>	<p>All about Animals Bugs! Live in the Sea</p>
<p><b>3.3 BIOLOGICAL SCIENCES</b> C. Know that characteristics are inherited and, thus, offspring closely resemble their parents.</p>	<p>All about Animals</p>
<p><b>3.3 BIOLOGICAL SCIENCES</b> D. Identify changes in living things over time.</p>	<p>Life in the Sea</p>

<p><b>3.4 PHYSICAL SCIENCE, CHEMISTRY, AND PHYSICS</b> A. Recognize basic concepts about the structure and properties of matter.</p>	<p>Junior Reactors Mix it up pH Phactor Super Sticky Stuff Dry Ice Capades Chem in a Flash Shipwrecked Think Fast</p>
<p><b>3.4 PHYSICAL SCIENCE, CHEMISTRY, AND PHYSICS</b> B. Know basic energy types, sources and conversions</p>	<p>Energy Burst Super Power Sources Space Travel Get Connected Wiz Kids Movie Effects Glow Show</p>
<p><b>3.4 PHYSICAL SCIENCE, CHEMISTRY, AND PHYSICS</b> C. Observe and describe different types of force and motion</p>	<p>Get Connected Wiz Kids Science of Toys Radical Robots Moving Motion Energy Burst Mad Machines</p>
<p><b>3.4 PHYSICAL SCIENCE, CHEMISTRY, AND PHYSICS</b> D. Describe the composition and structure of the universe and the earths place in it</p>	<p>Planets and Moons Atmosphere and Beyond Sun and Stars</p>



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<b>3.5 EARTH SCIENCES</b> A. Know basic landforms and earth history	Earthworks
<b>3.5 EARTH SCIENCES</b> B. Know types and uses of earth materials.	Earthworks
<b>3.5 EARTH SCIENCES</b> C. Know basic weather elements	Walloping Weather
<b>3.5 EARTH SCIENCES</b> D. Recognize the earth's different water resources	Life in the Sea

**\*The 8 Highlighted Programs are recommended for an 8 week Science PSSA prep course**