

Mad Science After-School Programs

Correlated to STEM Education

All Mad Science Programs have a science focus. Stars indicate classes with another main STEM focus.

key: ✓ - focus addressed, ★ - main focus

Crazy Chemworks	S	T	E	M
Lab Works	✓	✓	✓	✓
Junior Reactors	✓			✓
pH Phactor	✓			✓
Slime Time	✓			✓
Chem in a Flash	✓	✓		✓
Glow Show	✓	✓	✓	
Super Sticky Stuff	✓	✓	✓	
Dry Ice Capades	✓	✓		

System 2	S	T	E	M
Harnessing Heat	✓			★
Lights, Color, Action	✓			
Magnetic Magic	✓			✓
Optical Illusions	✓			
Mission: Nutrition	✓			
Sonic Sounds	✓	✓		
Tantalizing Taste	✓			
Watts-Up	✓			

System 4	S	T	E	M
Bugs!	✓			✓
Detective Science	✓			
Earthworks	✓		✓	
Kitchen Chemistry	✓			
Mad Machines	✓		★	
Movie Effects	✓	✓	✓	
Science of Toys	✓		✓	
Walloping Weather	✓			✓

NASA AFSE	S	T	E	M
Planets and Moons	✓			✓
Atmosphere and Beyond	✓			✓
Space Phenomena	✓	✓		
Space Technology	✓	★	✓	
Living in Space	✓	✓	✓	✓
Sun and Stars	✓			
Space Travel	✓	✓		
Rocket Science	✓		✓	

System 3	S	T	E	M
Che-mystery	✓			
Current Events	✓			
Fun-damental Forces	✓			
Science of Magic	✓			
Fantastic Fliers	✓		★	
Super Structures	✓		★	✓
Wacky Water	✓		✓	✓
Under Pressure	✓			

System 5	S	T	E	M
All About Animals	✓			✓
Energy Burst	✓		✓	
Get Connected	✓	✓	✓	
Life in the Sea	✓			✓
Mix It Up	✓	✓	✓	✓
Moving Motion	✓			
Radical Robots	✓	★	✓	
Super Power Sources	✓	✓		

Definitions of each STEM focus:

S = Science: Understand the natural world

T = Technology: modify the world to improve human comforts/needs (including models)

E = Engineering: apply knowledge to design solutions within given constraints

M = Math: study patterns and relationships (including classification)

Mad Science Workshops

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Workshops for K-gr.2	S	T	E	M
Be Sun Smart	✓	✓	✓	
Be Tobacco Free	✓	✓		
Body Basics	✓	✓	✓	
Build Your Bones	✓	✓		✓
Decomposers	✓	★	✓	
Dinosaurs	✓	✓	✓	✓
The Dirt on Garbage	✓	✓	✓	✓
Magnificent Magnets	✓	✓	✓	✓
Measure for Measure	✓	✓		★
Seeking our Senses	✓	✓		
Slippery Science	✓	✓		
Sound Basics	✓	✓	✓	✓
Taste Buds	✓	✓		
Where's the Air	✓	✓	✓	

System 1 (workshops)	S	T	E	M
Acids and Bases	✓			✓
Dry Ice	✓	✓		
Laser Light	✓	✓	✓	
Matter of Fact	✓		✓	
Rocket Demonstration	✓		✓	
Rocket Building 1	✓		✓	
Rocket Building 2	✓		✓	
Space...The Final Frontier	✓		✓	✓

Workshops for gr.3-6	S	T	E	M
Be Sun Smart	✓	✓	✓	
Be Tobacco Free	✓	✓		
Black & Blue Oceans	✓	✓	★	✓
Build Your Bones	✓	✓		✓
Cells	✓	✓	✓	
The Dirt on Garbage	✓	✓	✓	✓
Ecosystem Explorations	✓	✓	✓	
Electricity	✓	✓	★	
Good Vibrations	✓	✓	✓	✓
Invention-ation	✓	✓	★	
Matter of Fact	✓		✓	✓
Mineral Mania	✓			✓
Mischievous Magnets	✓	✓	✓	✓
Photosynthesis	✓	✓	✓	
Playing with Polymers	✓	✓		✓
Turn Up the Volume	✓	✓		★
Scientific Method (G3-5)	✓		★	✓

Middle School Workshops	S	T	E	M
Heredity	✓			✓
Bare Bones	✓	✓		★
Inner Workings	✓	✓		✓
DNA	✓			

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