

Mad Science In-Class Field Trips

Correlated to STEM Education - Kindergarten



Mad Science In-Class Field Trips

Correlated to STEM Education - Grades 1&2

All Mad Science Programs have a science focus. Stars indicate classes with another main STEM focus.
key: ✓ - focus addressed, ★ - main focus

Meet Gr K Benchmarks*	S	T	E	M
All About Animals	✓	☐	☐	✓
Body Basics	✓	✓	✓	☐
Bugs	✓	☐	☐	✓
Dinosaurs	✓	✓	✓	✓
Glow Show	✓	✓	✓	✓
Mad Science Machines	✓	☐	★	☐
Life in the Sea	✓	☐	☐	✓
Lights, Color, Action	✓	☐	☐	☐
Mad Science Machines	✓	☐	☐	☐
Mix it Up	✓	✓	✓	✓
NASA Space Phenomena	✓	✓		
NASA Sun and Stars	✓			
Slime Time	✓			✓
Super Sticky Stuff	✓	✓	✓	☐
Walloping Weather	✓	☐	☐	✓
Worms	✓	★	✓	☐

Mad Science Programming as of 4/14/2014

* Find the Mad Science Correlations to Minnesota Academic Science Benchmarks at mn.madscience.org

All Mad Science In-Class Field Trips correlate to the Kindergarten Benchmark for using and comparing observations of natural phenomena.

Check our website:
mn.madscience.org
for descriptions of all our
In-Class Field Trips

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)

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Meet Gr 1 Benchmarks*	S	T	E	M
All About Animals	✓	☐	☐	✓
Body Basics	✓	✓	✓	☐
Bugs	✓	☐	☐	✓
Earthworks	✓	☐	✓	☐
Life in the Sea	✓	☐	☐	✓
Mad Science Machines	✓	☐	★	☐

Meet Gr 2 Benchmarks*	S	T	E	M
Che-Mystery	✓	☐	☐	☐
Chem in a Flash	✓	✓	☐	☐
Current Events	✓	✓	★	✓
Detective Science	✓	✓	☐	✓
Earthworks	✓	✓	✓	☐
Energy Burst	✓	✓	✓	✓
Fantastic Fliers	✓	✓	✓	☐
Fun-damental Forces	✓	☐	☐	☐
Get Connected	✓	✓	✓	✓
Glow Show	✓	✓	✓	✓
Great Gravity	✓	☐	☐	☐
Harnessing Heat	✓	☐	☐	★
Kitchen Chemistry	✓	☐	☐	☐
Life in the Sea	✓	☐	☐	✓
Lights, Color, Action	✓	☐	☐	☐

Meet Gr 2 Benchmarks cont'd*	S	T	E	M
Mission: Nutrition	✓	☐	☐	☐
Mix it Up	✓	✓	✓	✓
Mad Science Machines	✓	☐	★	☐
Moving Motion	✓	☐	☐	☐
NASA Planets and Moons	✓			✓
NASA Rocket Science	✓		✓	
NASA Space Phenomena	✓	✓		
NASA Space Technology	✓	★	✓	
NASA Living in Space	✓	✓	✓	✓
NASA Sun and Stars	✓			
NASA Space Travel	✓	✓		
pH Factor	✓			✓
Radical Robots	✓	★	✓	
Science of Magic	✓			
Science of Toys	✓		✓	
Slime Time	✓			✓
Super Sticky Stuff	✓	✓	✓	☐
Super Power Sources	✓	✓		
Super Structures	✓	☐	★	✓
Wacky Water	✓	☐	✓	✓
Walloping Weather	✓	☐	☐	✓

Mad Science Programming as of 4/14/2014

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All Mad Science In-Class Field Trips correlate to the 1st & 2nd grade Benchmarks for making observations, raising questions, and seeking answers about the natural world.

Definitions of each STEM focus:

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- E = Engineering: apply knowledge to design solutions within given constraints
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Mad Science In-Class Field Trips

Correlated to STEM Education - Grades 3&4

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Meet Gr 3 Benchmarks*	S	T	E	M
All About Animals	✓	☐	☐	✓
Bugs	✓	☐	☐	✓
Chem in a Flash	✓	✓	☐	☐
Detective Science	✓	✓	☐	✓
Fantastic Fliers	✓	✓	✓	☐
Get Connected	✓	✓	✓	✓
Glow Show	✓	✓	✓	☐
Good Vibrations	✓	✓	☐	☐
Junior Reactors	✓	☐	☐	✓
Lab Works	✓	✓	✓	✓
Life in the Sea	✓	☐	☐	✓
Lights, Color, Action	✓	☐	☐	☐
Mineral Mania	✓	☐	☐	✓
Mix it Up	✓	✓	✓	✓
NASA Planets and Moons	✓			✓
NASA Space Phenomena	✓	✓		
NASA Space Technology	✓	★	✓	
NASA Sun and Stars	✓			
Optical Illusions	✓	☐	☐	
pH Factor	✓			✓
Sonic Sounds	✓	✓	☐	☐
Super Sticky Stuff	✓	✓	✓	☐

Mad Science Programming as of 4/14/2014

All Mad Science In-Class Field Trips correlate to the 3rd Grade Benchmarks for interaction among STEM fields and society. Check our website for descriptions of all our In-Class Field Trips.

Meet Gr 4 Benchmarks*	S	T	E	M
Black and Blue Oceans	✓	✓	★	✓
Chem in a Flash	✓	✓	☐	☐
Current Events	✓	☐	☐	☐
Earthworks	✓		✓	
Energy Burst	✓		✓	
Fantastic Fliers	✓	✓	✓	☐
Get Connected	✓	✓	✓	✓
Harnessing Heat	✓		☐	★
Junior Reactors	✓	☐	☐	✓
Lab Works	✓	✓	✓	✓
Mad Science Machines	✓	☐	★	☐
Mineral Mania	✓	☐	☐	✓
Mix it Up	✓	✓	✓	✓
Moving Motion	✓	☐	☐	☐
Mad Science Machines	✓	☐	★	☐
NASA Living in Space	✓	✓	✓	✓
NASA Rocket Science	✓		✓	
NASA Space Technology	✓	★	✓	
NASA Space Travel	✓	✓		
Radical Robots	✓	★	✓	
Science of Toys	✓		✓	
Scientific Method	✓	☐	★	✓
Slime Time	✓			✓
Super Power Sources	✓	✓	☐	☐
Super Structures	✓		★	✓
Wacky Water	✓		✓	✓
Walloping Weather	✓			✓
Watts-Up	✓			

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Mad Science In-Class Field Trips

Correlated to STEM Education - Grades 5&6

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Meet Gr 5 & 6 Benchmarks*	S	T	E	M
Cells	✓	✓	✓	☐
Che-mystery	✓	☐	☐	☐
Chem in a Flash	✓	✓	☐	☐
Fantastic Fliers	✓	✓	✓	☐
Fun-damental Forces	✓		☐	☐
Glow Show	✓	✓	✓	✓
Harnessing Heat	✓		☐	★
Life in the Sea	✓	☐	☐	✓
Mission: Nutrition	✓	☐	☐	☐
Moving Motion	✓			☐
NASA Planets and Moons	✓		☐	✓
NASA Rocket Science	✓		✓	
NASA Space Travel	✓	✓	☐	☐
pH Factor	✓			✓
Radical Robots	✓	★	✓	
Slime Time	✓		☐	✓
Super Power Sources	✓	✓	☐	☐
Super Sticky Stuff	✓	✓	✓	☐
Wacky Water	✓	✓	✓	☐
Walloping Weather	✓			✓

Meet Gr 5 Benchmarks*	S	T	E	M
All About Animals	✓	☐	☐	✓
Black and Blue Oceans	✓	✓	★	✓
Detective Science	✓	☐	☐	☐
Earthworks	✓		✓	
Kitchen Chemistry	✓		☐	
Mineral Mania	✓	☐	☐	✓
NASA Space Phenomena	✓	✓	☐	☐
NASA Sun and Stars	✓		☐	
Tantalizing Taste	✓	✓	☐	☐

Meet Gr 6 Benchmarks*	S	T	E	M
Get Connected	✓	✓	✓	☐
Good Vibrations	✓	✓	☐	☐
Great Gravity	✓	☐	☐	✓
NASA Atmosphere and Beyond	✓	☐	☐	✓
NASA Living in Space	✓	✓	✓	✓
Super Structures	✓	☐	★	✓
Under Pressure	✓		☐	

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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)