



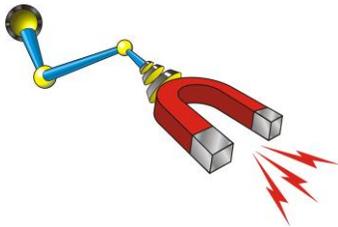
# Get your class excited about science by making it **Mad Science**



Mad Science of Chicago will spark the imaginative learning of your students by providing a variety of fun-filled, educational in-school field trips. All of our programs correlate to the NGSS Standards. We offer amazing visual demonstrations, hands-on laboratory experiments, and much more! We supplement your curriculum by examining scientific principles and ideas in new and exciting ways. Below are just a few of our topics that correlate to your curriculum.

## **Third Grade - Forces and Interactions**

**Moving Motion** - Moving Motion introduces children to Sir Isaac Newton's three laws of motion. Performing hands-on experiments helps them learn that objects tend to stay in motion or remain at rest unless met by an unbalanced force. Children investigate and learn that objects with more mass require more force to move. They learn that for every action force there is an equal and opposite reaction force through a variety of volunteer-powered demonstrations. Children take home a balloon-powered spinning device to demonstrate Newton's third law of motion. **(Standards 3-PS2-1 / 3PS2-2)**



**Magnetic Magic** – Children learn how and why magnets behave by testing the basic physical principles governing magnetism. They learn how to create magnets and how magnetism is lost. Children use compasses to gain a better understanding of how humans benefit from the Earth's magnetic force. Hands-on experimenting— from swinging compasses to motorized devices— allows children to explore the role of magnetism in our everyday lives. **(Standards 3-PS2-3 / 3-PS2-4)**

**Science of Toys** – Children are introduced to the science of toys through toy-themed centers. Both familiar and novel gadgets are investigated. They discover how motors make toys move and play with tops to learn about potential and kinetic energy. Balancing toys are used to familiarize children with the center of gravity. They find out that opposite poles attract each other when experimenting with magnetic toys. Their energy investigation continues at home with the Mad Science Yo-Yo. **(Standards 3-PS2-1 / 3-PS2-2 / 3PS2-4)**

**Correlations to all NGSS Standards for all grade levels K-6 are available upon request. Just contact us for more information on how to bring any scientific topic to life for your children!**

Contact us today for more information about scheduling your in-class workshop!

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