



Mad Science Summer Workshops

For grades K-5



Session I:

July 11 — July 15
1:30 PM — 2:30 PM

Community Center Activity Room

SCIENCE OF MAGIC - Mini magicians will learn the science behind famous magic tricks as they pull a handkerchief out from their thumbs and make a pretend rabbit disappear with the wave of a wand. Children will also learn how water can vanish right before their eyes!

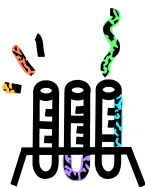


DRY ICE CAPADES - Children will be introduced to the scientific concepts of phase changes and states of matter. The children will learn that dry ice is really frozen carbon dioxide and will experience the Mad Science burp, a display of bubbling potions and, finally, a thrilling grand finale!



EARTHWORKS - They will get to explore what lies inside an ordinary-looking piece of rock to discover the beauty that lies beneath its surface. They will learn about the forces that create earthquakes, the natural faults in the Earth's crust and what makes volcanoes explode!

JR. REACTORS - Create a tiny world of atoms with your very own set of Atomic Coins! Children will learn the difference between physical and chemical reactions as they perform and observe engaging experiments. Junior scientists will discover how small atoms are and mix up reactive ingredients for some sensational results!



pH pFactor - Slide down the colorful pH scale and dip into the world of acids and bases! Explore the pH extremes with your Reaction Tube in what is sure-to-be a popping experience! Discover whether liquids found in your home are acids or bases using your personal pH Paper.

Session II:

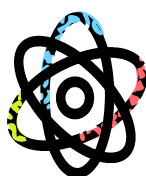
July 25 — July 29
1:30 PM — 2:30 PM

Community Center Activity Room

SLIME TIME - In this program, we will explore, create and play with the most entertaining and useful molecule known to science, and discover its many shapes and forms. Children will create slime using the Mad Science recipe, and then enter the Slime Olympics! Children even make their own slime that they get to take home and keep.



CHE-MYSTERY - Children will explore one of the most exciting and fundamental sciences as they learn about physical and chemical reactions and grow their own crystal gardens. They will develop a fascination with chemistry and learn how to break polymer bonds and create delicious soda.



SUPER STRUCTURES - Discover the strengths of triangles, cylinders and arches. Learn how combinations of these shapes are used to build sturdy homes and skyscrapers! Children will build their own bridge and discuss the fundamentals of secure architecture.

MOVIE EFFECTS - Grab your popcorn but don't sit back... we're going to learn first-hand how advances in science and technology make our favorite special effects possible! Children will take home a Cartoon Creator that they've made themselves! It's Einstein meets Spielberg in a class of 3..2..1...action!



SCIENCE OF TOYS - Children will bounce balls and experiment with a magnetic spin wheel among other classic toys to discover the science of motion through fun hands-on activities. Find out how our woodpecker toy works due to potential and kinetic energy and take home a bouncy ball that the students created themselves!

**Workshop schedule subject to change.
Space is limited to 25 participants per week.**

**Cost: \$60 per participant, per week.
Please make checks payable to: "Bernards Township"**

Request Refunds 2 weeks prior to start of first class minus \$10 processing fee

YOUTH PROGRAM REGISTRATION FORM

*Complete one form per child, per program and submit one check per child per program
payable to "Bernards Township" and return to: Bernards Township Recreation, 1 Collyer Lane, Basking Ridge, NJ 07920.
This form cannot be used for the Summer Recreation Program or the Summer Sports Camps.*

Program: Mad Science Summer Workshops: Session I Session II **Fee: \$60**

Last name: _____ First name: _____ Male or Female: _____

Address: _____

Town: _____ Zip: _____

Birth date: ____/____/____ Grade: ____ School child attends: _____

	Father/Guardian	Mother/Guardian
Name		
Home Phone #		
Work Phone #		
Cell Phone #		
Email		

Please provide information for an emergency contact (other than parent) We will always attempt to contact the parent/guardian first.

	Emergency Contact
Name	
Home Phone #	
Cell Phone #	

Medical, physical, behavioral, or mental health conditions we should be aware of:

VOLUNTEER INFORMATION		
The number of teams & participants we can accommodate depends on the number of volunteers. Refer to the program's description and our Youth Sports Coach/Coordinator policies for more information.	Name	
	Daytime Phone #	
	Email	

I hereby give permission for my child to participate in this program and give permission to provide emergency care as necessary for the well being of my child until such time as I may be contacted. I give permission for those individuals listed on this form to pick-up/release my child from the program. I agree that the Bernards Township Recreation Department shall not be held liable in the event of accident or injury resulting from participation in this activity. I grant the Bernards Township Recreation Department the right to use any and all photographs of myself or my child participating in a Department sponsored activity for future media promotion. I certify that I have read and understand the Recreation Department's registration, refund and youth sports policies.

Parent/Guardian Signature: _____ Date: ____/____/____

For office use only: Cash _____ Ck. # _____ Received: _____
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