



# Hands-On Activity Centers

Mad Science of Western New England

(413) 584-SCIENCE (7243) (800) 338-5711 (CT only) FAX (413) 585-9477

Each Activity Center is typically 2-3 tables with 10-15 minutes of **Totally FUN Activities**. We can accommodate up to 20 participants every 15 minutes at each center. Centers are booked by the hour.

## Zap Attack!

- Plasma Wall - Experience "indoor lightning" while you test whether objects (including yourself!) are conductors or insulators
- Nerve Tester - Test your skills at our steady hands electrical buzzer game

## Bubbling Potions/ Dry Ice!

- Dry Ice - Explore one of the most exciting and unique substance around
- Mad Soda - Find out how soda is made and why we burp
- Bubbling Potions - Wash up with soap and water...the MAD SCIENCE way!
- Hollywood Special Effects - Witness an instant fog cover!

## Comets & Asteroids

- Asteroid Strike - Recreate the impact craters that cover our own moon
- Comet Composition- Watch as we add components to create a comet here on earth!
- Superball Comets - Children make their very own comet to take with them.-- a great take-home item that every child can enjoy!

## 3-2-1 Blast-Off!

- Rocket Essentials - Investigate rocket design & examine different rocket models
- 3-2-1-BLAST OFF!!! - Take the group outside because these model rockets will soar up to 300 feet!

## Air Pressure

- Bernoulli's Principle Experiments - Use low-pressure systems to make balls float!
- Vortex Generators - Experience the power of a vortex in the air
- Hover Pucks - Discover how air pressure makes an air hockey table work

## Slippery Slime!

- Molecules - Learn the basics of polymer structure and molecular bonding
  - Slime - Watch as children concoct a mixture that will transform from a runny liquid to slippery slime
- Slime is a great take-home party favor that every child can enjoy!

## Silly Sounds

- Sound Waves - Measure movement of sound through gas, liquids and solids
- Effects Generator - Kids will hear their voices go from the Chipmunks to Darth Vader to everything in between with the touch of a button

## Light and Optics

- Optical Illusions - Experience the fun and trickery of optical illusions
- Laser Maze - Use mirrors to reflect light through a maze and learn about angles of reflection!

## Fun with Heat /Cotton Candy

- Table-top Rocket! - Watch the launch of a hot-air propelled table rocket!
  - Cotton Candy - Discover the scientific principles behind the making of cotton candy
- Every Child gets their very own cotton candy to satisfy their sweet tooth!

## Electric Circuits

- Circuitry - Experiment with electric circuits while you build your own simple circuit to power lights and buzzers

## Hovercraft Rides!

- Ride the awesome Mad Science Hovercraft! Be amazed by the strength of air pressure as it creates a cushion of air strong enough to allow you to glide across the room! (Note: cannot be done on rough or uneven floor surfaces)

## Be Sun Safe: Ultraviolet

- How can we demonstrate that "invisible light" can actually affect us? Make cool "UV Detector" bracelets or necklaces out of special beads that change into a rainbow of colors when exposed to ultraviolet (UV) light. Watch as the "mark of genius" appears out of thin air on your arm!



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**CUSTOMIZED ACTIVITY CENTERS MAY ALSO BE AVAILABLE!**

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