



# Mad Science Fun Stations

All Mad Science Fun Stations require at least one 6-foot table per activity and access to a water source. Additionally, some fun stations require electricity.

|                            |  |
|----------------------------|--|
| Animal Tracks              | Feathers, fins, fur and more! Explore the animal kingdom and learn about the habitats, anatomy and life cycles of your favorite creatures! Make your own animal foot print to take home.   |
| Bubble-ology               | Pop! This fun station features all kinds of bubbles and bubble making equipment. The children get to blow a variety of bubbles and learn why adding different ingredients causes the characteristics of the bubbles to change. <i>(Must be done outdoors, best for ages 3-5)</i> |
| *Bubbling Potions          | The wonders of dry ice are on display as we demonstrate different properties of the three states of matter. Make some awesome sound effects, taste a burp and explore movie special effects while creating some fun bubbling potions! <i>(Requires hot water)</i>                |
| Bugs                       | Are all bugs Insects? How can a tiny bug protect itself from a hungry predator? Hop, fly or crawl in to discover their unique characteristics! Then use what you've learned to build your own creepy-crawler bug to take home with you.  |
| Catapults!                 | Catapults have been around since 3 B.C., but they are still as much fun as ever! We'll use them to storm a castle or two as we learn about these age-old machines. Children will take home their own mini-catapult kit. <i>(Requires 100 sq ft space)</i>                        |
| Cotton Candy               | Who knew science could taste this good! Learn about the amazing reaction that occurs when you combine heat, sugar and centrifugal force – you get cotton candy! <i>(Requires electricity, must be done outdoors)</i>   |
| Create-a-Comet             | These are the voyages of young inquiring minds on a quest to discover Space! Their mission: to take an exciting look at comets and watch as we make one right before their very eyes. Children will return from their mission with their very own piece of the skies!            |
| Detective Science          | Figure out the science of forensics in a hands-on look at crime scenes. Solve the age old question of who stole the cookie from the cookie jar by using fingerprints, bite plates and more. Take home your very own fingerprint chart. This one is so much fun, it's criminal!   |
| Do You See What "Eye" See? | Explore the world of optical illusions in this series of activities designed to make you wonder if you really can believe your eyes. Learn how your eyes and brain work together to process images and take home a pair of rainbow diffraction glasses!                          |
| Don't Be Dense             | Join us in this amazing exploration of density. Make divers float and sink on your command. Experiment with mass versus volume in a variety of different materials. Take home a Cartesian diver that you make yourself.  |
| Energize It                | Pop, jump and flip on over to this station to learn how energy is never wasted...just changed. With the help of some hopping, springing and falling toys, watch as energy goes back and forth from kinetic (moving) energy to potential (stored) energy.                         |
| Fun-damental Forces        | Gravity...Inertia...Centripetal Force. Who could ever imagine that an introduction to physics could be so much fun? We'll experience these awesome forces and at work and explore tornado tubes, gyroscopes and vortices.  |
| Go With The Flow           | Do you know what conducts? Find out in this hands-on experience as you learn about the amazing world of circuits and electrons. You'll even discover how they create electricity that lights your home! <i>(Best indoors, Requires electricity)</i>                              |
| Mighty Magnets             | Ever wonder where the saying "opposites attract" comes from? Join us in this exploration of the principles of magnetism, and then make your very own floating magnet to take home for more experiments.  |

|  |   |
|--|---|
| Mix It Up                                | Become a junior chemist and learn how different liquids mix or don't mix at all! You'll learn about sand that is hydrophobic and discover that some mixtures can act as both a solid and a liquid at the same time! <i>(Best for ages 3-5, must be done outdoors)</i>   |
| Pretty Cool Putty                        | Similar to our Slippery Science Fun Station, kids learn about polymers and how they are all around us. By mixing two chemicals they create a bouncy, stretchy concoction that provides hours of fun! <i>(Best for ages 8 and up)</i>  |
| Rocket Launches                          | 3, 2, 1...Blast off! Join us for an exciting rocket launch from ground zero! Check out the awesome film canister and stomp rockets! Different options are available depending on the space provided. <i>(Requires minimum of 100 sq ft space)</i>   |
| Slippery Science                         | It's ooey. It's gooey. It's slime! Or at least it is after you mix the two chemicals that put the ooh and the goo into slime! Along the way kids learn about polymers and get to keep their creation.   |
| Sonic Sounds                             | Uncover the source of sound! Tap into sound waves and fill your ears with vibrations. Create sound effects and change the pitch of your voice. Use your Sonic Horn to make some good vibrations!  |
| Suck It Up                               | Explore a variety of polymers that can absorb many times their volume and weight, and then can return to their original size and weight as the water evaporates. Take home your very own grow beast as a souvenir.  |
| Super Duper Bouncy Balls                 | Ever wonder how super bouncy balls are made? What makes them bounce so high? Transform special crystals into real super balls you can bounce all the way home. Each super ball is one of a kind! <i>(Requires water, Best for ages 8 and up)</i>  |
| That Rocks!                              | Learn how rocks are formed, identify rock types, check out rocks that glow in ultraviolet light and take home some rocks to start your very own collection! <i>(Best indoors)</i>   |
| Ultraviolet Illusions                    | See the magic created by the sun as kids make their very own key chain with ultraviolet detection beads! Put them in the sun and see the fun really begin, as the beads change color when exposed to the ultraviolet light in the sun's rays. <i>(Requires electricity, Must be indoors)</i>  |
| Under Pressure                           | This station will give participants an opportunity to learn more about some of the principles of air pressure. Use a vortex generator to create air pockets with a "punch" and take home your very own levitation machine. <i>(Best indoors, Requires electricity)</i>  |
| What Do You Know About H <sub>2</sub> O? | You'll be blown out of the water as you discover water's amazing properties of adhesion and cohesion. Learn how to make water flow downhill... or up! Learn how to reduce your water footprint and conserve this most important resource. <i>(Must be done outdoors, requires water)</i>  |
| Wiggly Science                           | What has no eyes, breathes through its skin and eats soil? Eeeeeeww! Gross! It's a worm! Get ready to dig deep into this hands-on station as you look at real live worms, learn how they eat dirt to create great soil, and take your own worm home to help fertilize your garden! <i>(Best for ages 3-5, Best if done outdoors in shaded area)</i> |

***\*Additional Charge for take-home project. Please inquire.***

Pricing varies depending on the number of children attending the event and the length of time the event runs. For a custom events package, please call our office at 1-877-390-5437

**Mad Science of the Bay Area**  
48834 Kato Road, Fremont, CA 94538  
510-438-9702 mail@madsciencebayarea.com