

Get Ready...

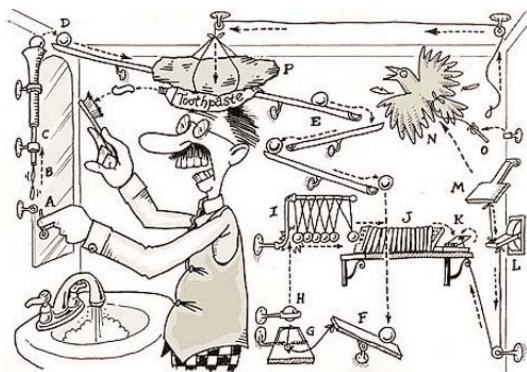
Get a Group Together: 5 is ideal, but any number will work

Design Your Link to the Chain Reaction:

maximum size of 2 feet wide, 4 feet tall, and 6 feet long (chemicals are not allowed, but you can use baking soda, vinegar, and no more than 1 cup of water)

Your Link Must be Repeatable: Test, test, and test it again. Should last at least 30 seconds, but no longer than 3 minutes.

Make it Funny, Clever, Elegant.



HERE'S THE IMPORTANT PART:

1. Your machine must BEGIN and END with the pull of a string.
2. It must take no more force than the hanging weight of a golf ball moving 1 inch to start your link.
3. It must end by pulling a string AT LEAST 1 inch with enough force to lift a golf ball, in order to start the next link.

Get Set...

Your chain reaction can be as simple as books falling against one another or as complicated as a Rube Goldberg invention.



INSPIRATION

Play the game MOUSETRAP
Watch the Japanese TV show Pythagoras Switch on youtube.com or

IDEO's Incredible Global Rube Goldberg Chain Reaction Experience also on youtube.com.

Go to <http://web.mit.edu/museum/programs/fat2009.html> to watch videos of past chain reaction rallies at the MIT Museum

Stop by the Discovery Museum to watch a video of MIT's chain reaction beginning September 1, 2010.



Now Build!

Who Can Participate?

Everyone - families, scout troops, physics classes, neighbors, and friends

Get together and engineer a contraption that will fit into a chain of other contraptions to make one giant "Chain Reaction Contraption."

Registration:

Teams must register by October 31, 2010

Registration fee is \$5 per team of 5 participants. Additional team members \$1 each.

Print out the registration form on-line at www.discoverymuseum.net, mail in your registration with this registration form, or stop by the Discovery Museum.

Location: TBD

It depends on how many teams sign up! It might be at the Discovery Museum, or it might be at a local school. Go ahead and design, then build your link, then watch our website or call the Museum for location details.

Questions:

Contact Martha Wolfe, Exhibits Director
mwolfe@discoverymuseum.net



54 S. Loudoun St. Winchester, VA
(540) 722-2020
www.discoverymuseum.net

REGISTRATION FORM

Team Name _____

Participant Names:

1. _____
2. _____
3. _____
4. _____
5. _____

Additional Participants _____

Primary Contact's Name _____

Address _____

Phone Number _____

Email _____

Method of Payment

- Cash Check MasterCard Visa AmEx

Credit Card # _____

Exp. Date _____

Signature as shown on card _____

*Payment due at registration. Refund will only be made if the Discovery Museum must cancel the event.

* Please make checks payable to: Shenandoah Valley
Discovery Museum

Mail Registration to: Discovery Museum
Attn: Martha Wolfe
P.O. Box 239
Winchester, VA 22604

or drop it off at the Museum.

Chain Reaction Rally

Hosted by:



**Engineers, Tinkers, Inventors,
Better-Mousetrap-Builders UNITE**

To Create a:



**Saturday,
November 27th
2010**



www.discoverymuseum.net