Families will be judged by the following guidelines:

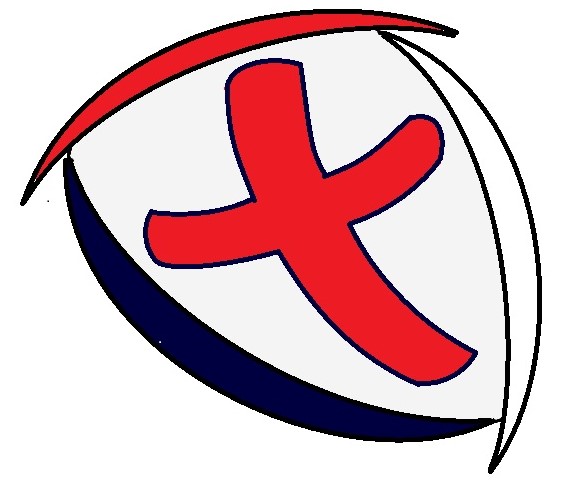
* Machine completes the task within the 2 minute time limit
  + First attempt (40 pts)
  + Second attempt (30 pts)
  + Third attempt (20 pts)
* Machine uses creative steps to complete the task
  + 5 pts per step

In the event of a tie, the family who completes the task closest to the 2 minute time limit will be considered the winner.

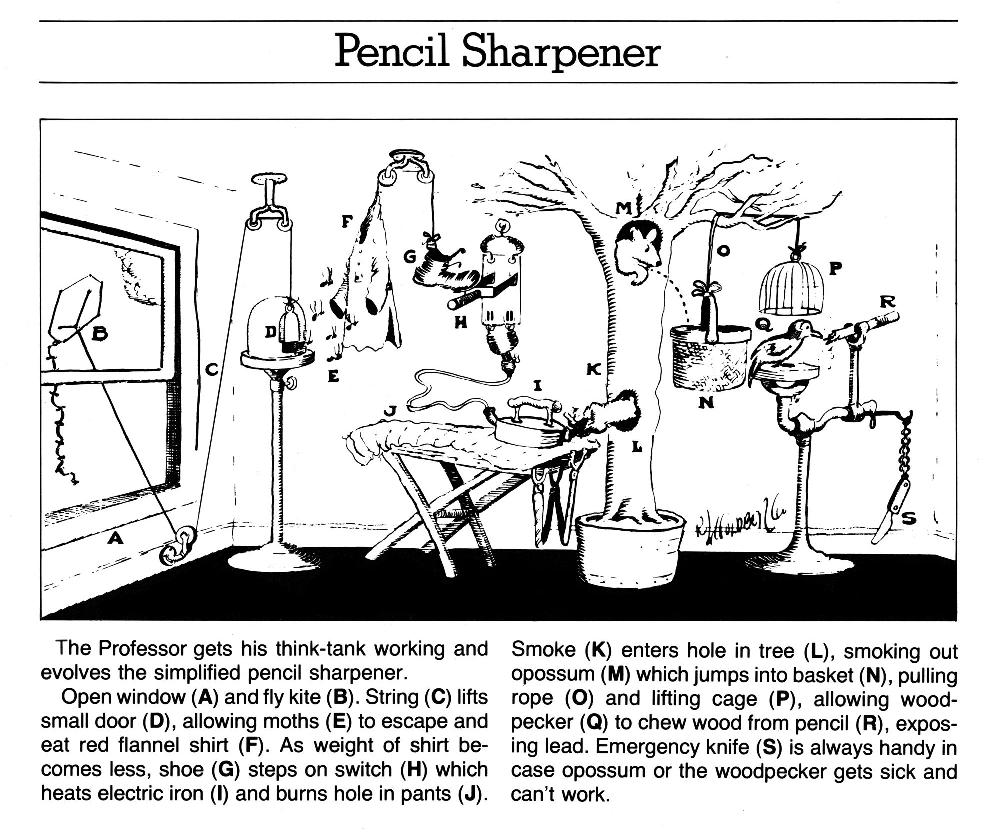
Will your family be the first one to take home the Family Challenge Trophy?

**Georgetown Homeschool Group 2015 Expo**

**Rube Goldberg Family Challenge**

**Rube Goldberg Family Challenge**

“Rube Goldberg (1883-1970) was a Pulitzer Prize winning cartoonist, sculptor and author.  …Best known for his “inventions”, Rube’s early years as an engineer informed his most acclaimed work. A Rube Goldberg contraption – an elaborate set of arms, wheels, gears, handles, cups and rods, put in motion by balls, canary cages, pails, boots, bathtubs, paddles and live animals – takes a simple task and makes it extraordinarily complicated.” - [www.rubegoldberg.com](http://www.rubegoldberg.com)



**“Cut The Cheese”**

**Rules for Family Challenge:**

* One Rube Goldberg machine per family
* Machine must completely cut through one plane of an 8oz. block of cheddar cheese, measuring approximately 2 ½“x1”x5 ½”
* Time limit to complete challenge = 2 minutes (once machine is started)
* Machine must fit inside a 4’x4’ footprint
* Machine height must not exceed 8’
* No hazardous materials, explosives, or flames
* Must be safe for participants and observers
* Machine may be reset 3 times with each reset not to exceed 2 minutes
* Family must provide their own cheese

