

# “INNOVATION 2007”

-Invention Convention-

MAY 11, 2007

ALL PROJECTS DUE ON MAY 10, 2007

*An 8<sup>th</sup> Grade “Deal” on the World of  
Inventions*



*“NECESSITY IS THE  
MOTHER OF INVENTION”*

# **WHAT IS ALL THIS STUFF???**

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# **IMPORTANT DUE DATES**

-A Due Date Check Off Sheet-

PRINT THIS SHEET TO HELP YOU KEEP TRACK OF YOUR DUE DATES

## **FOR STARTERS**

- ☐ INVENTOR SNIPPET ..... Thursday, Sept. 28
- ☐ INVENTION SNIPPET ..... Wednesday, Oct. 18
- ☐ “RUBE GOLDBERG-ISM” ..... Thursday, Nov. 9
- ☐ INVENTION TIMELINE ..... Thursday, Dec. 7

## **THE REAL DEAL**

- ☐ THE SURVEY ..... Friday, Jan. 26
- ☐ CHOOSE A PROBLEM ..... Friday, Feb. 23
- ☐ MY INVENTION SHEET ..... Friday, Feb. 23
- ☐ INTENT to INVENT ..... Friday, March 9
- ☐ THE MODEL ..... Friday, March 9
- ☐ THE REDESIGN? ..... ???
- ☐ CREATE ..... All Year
- ☐ APPLY FOR PATENT ..... Friday, April 20
- ☐ LOGO/TRADEMARK, NAME ..... Friday, April 20
- ☐ MARKETING STRATEGY ..... Friday, April 20
- ☐ INVENTION DUE ..... May 10
- ☐ “SHOW and TELL (The Convention) ..... May 11

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# THE “SNIPPETS”

Snip-pet  
/'snip-et/

***n* [ˈsɪnp]: a small part, piece, or brief thing**  
***esp:* a brief quotable passage**

As the definition above tells you, a “snippet” is a “small, part, piece, or thing.” And that is exactly what you need to complete in this part of the project.

There are two assignments for this aspect of our *Innovation 2007*.

## **ASSIGNMENT #1** **“Inventor Snippet”**

First, you need to select an inventor of your choice. After selecting the inventor, complete the official “Inventor Card” and turn it in to the proper area.

### SNIPPIT ABOUT AN INVENTOR (DUE: THURSDAY, SEPTEMBER 28, 2006)

- ⌚ Choose an inventor (see page 7 for ideas)
- ⌚ Fill out “Inventor Card” (Turn in as soon as possible)
- ⌚ Write at least a two paragraph “snippet” about the inventor
- ⌚ One paragraph should be about his life.
- ⌚ The second paragraph should be about his inventions
  - This second paragraph can be your creation. It might include detailing the inventors many inventions and their impact on us.
  - This paragraph could also profile a specific invention and its value (or not) to us.
  - Be creative on this paragraph and have fun. You will want to make people WANT to read about your inventor.

**ASSIGNMENT #2**  
**“Invention Snippet”**

Second, you will need to choose an invention. After selecting the invention, you need to go through the same process you did for the inventor. Fill out an official “Invention Card.” Please read the following information for more specifics on both assignments.

SNIPPIT ABOUT AN INVENTION  
 (DUE: WEDNESDAY, OCTOBER 18, 2006)

- ⌚ Choose an invention (see page 7 for ideas)
- ⌚ Your choice can be an invention created by your “Snippet about an Inventor” or something completely different.
- ⌚ Your snippet might be a story about how an invention was created or an invention that was a mistake...the ideas are limitless.
- ⌚ Fill out “Invention Card” (Turn in as soon as possible)
- ⌚ Write at least a two paragraph “snippet” about the invention.
- ⌚ Some ideas for your paragraph include:
  - Describe how the invention was created. What is the story?
  - How the invention impacts our lives
  - Why was the invention created
  - What else can you think of...“Do your own thing”

**THE “INVENTOR/INVENTION CARD”**

As soon as you choose an inventor and invention, fill out the official card and hand it in to the proper place.

A list of inventors and inventions will be posted near the Innovation Center for your enjoyment.

**WHAT YOU NEED TO DO TO HAND IN YOUR WORK**

- ← Type it on your computer or write it using your neatest handwriting
  - You may use different colors and fonts, but you will want to make sure it is easy to read
- ← Glue it to a piece of construction paper making sure there is a border (usually about 1/4 inch border will look great...see example at the Innovation Center in our classroom)
- ← Does not have to be regular size piece of paper...you can trim it to a smaller size.
- ← Include any pictures
- ← This is what will be on display at our *Innovation 2007* display board.

## HOW YOU WILL BE GRADED???

The following will determine your grade:

### Content

- What you say about your invention or inventor is extremely important
- Writing in your own words...you may use the internet, books, magazines for your research, but your writing must be in your own words, Remember, the word on the internet have already been written, but the information is yours...just say it in your own way.

### Neatness

- I will accept neat work only.
- This means no messing writing, messy work, messy anything. DO YOUR BEST JOB!!!
- Work that is not neat might have to be redone.

### The Stuff from Mrs. Loomis's Class

- YES, actually use the stuff Mrs. Loomis is teaching in your writing...this is not just a worksheet, this will be read by millions and if they think you cannot spell, punctuate, or write complete sentences, you might look foolish.
- Punctuation (Please use capitol letters, commas, periods and any other punctuation marks)
- Spelling
- Good sentences...short snappy sentences...not run-ons or fragments.

### Did you turn both assignments in on time?

## OPTIONAL, BUT COULD BE VERY COOL

- Include a picture of the inventor, invention or both.
- Be creative...**HAVE FUN!!!**...do something extraordinary.
- Write more than two paragraphs, but not too much..remember, it is a “snippet.”
- Make it your own “thing”...add a few “Did you Knows”
- What else can you think of????

**HAVE SOME FUN AND LEARN SOMETHING  
WHILE YOU ARE AT IT...NO WAY,  
THAT COULD NEVER HAPPEN!!!**

**CHOOSE SOMETHING THAT INTERESTS  
YOU...IT WILL MAKE THIS EASIER TO  
COMPLETE!!!**

# SNIPPET HELPFUL HINTS AND OTHER STUFF ...and in science, “STUFF” is IMPORTANT!!!

A LIST OF INVENTORS  
...BUT YOU MAY WANT TO  
CHOOSE SOMETHING DIFFERENT  
...BUT JUST IN CASE THESE MIGHT HELP!

◇ Dr. Christian Barnard  
◇ Ladisao Biro  
CHOOSE  
◇ Georg Biro  
◇ Marvin Stone  
◇ Whitcomb Judson  
◇ George Crum  
◇ Walter Fred Morrison  
◇ Gail Borden  
◇ Charles Darrow  
◇ Charles Menches  
◇ Chester Greenwood  
◇ Igor Sikorski  
◇ Clarence Crane  
◇ Christian Nelson  
◇ Eli Whitney  
◇ Elias Howe  
◇ Henry Ford  
◇ Bette Graham  
◇ George Washington Carver  
◇ Bett Graham  
◇ Gottlieb Daimier

A LIST OF INVENTIONS  
...BUT YOU MAY WANT TO  
SOMETHING DIFFERENT  
...BUT JUST IN CASE, THESE MIGHT HELP!

The Slinky  
The zipper  
Band-Aids  
Jet Engines  
Magic Markers  
Hula Hoop  
Post-it-Notes  
Ivory Soap  
The Drinking Straw  
Submarine  
Helicopter  
Rubber Bands  
White-Out/Liquid Paper  
Shopping Cart  
Pepsi/Coca Cola/Dr. Pepper/Any Soft Drink  
Golf Ball  
Bicycle  
Air Plane  
Polio Vaccine  
Carpet Sweeper/Vacuum Cleaner

OTHER STUFF,,  
...AND REMEMBER “STUFF” IS IMPORTANT IN SCIENCE!!!

- 🕒 VISIT THE LIBRARY
- 🕒 LOOK IN AN INVENTION BOOK
- 🕒 RESEARCH ON THE INTERNET
- WHAT ELSE CAN YOU THINK OF??

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## THE “RUBE GOLDBERG-ISM”



Through his wacky cartoons, which depict the most elaborate and ridiculous devices to accomplish the most mundane tasks, RUBE GOLDBERG’S “INVENTIONS” have become synonymous with any maximum effort to achieve minimal results.

His ingenious drawings follow their own impeccable logic, demonstrating that the unnecessary can also be the mother of invention - often with hilarious results.

Rube’s audience spans generations, from adults well versed in the promise and pitfalls of modern technology to younger fans who are intrigued by the creativity and possibility of invention.

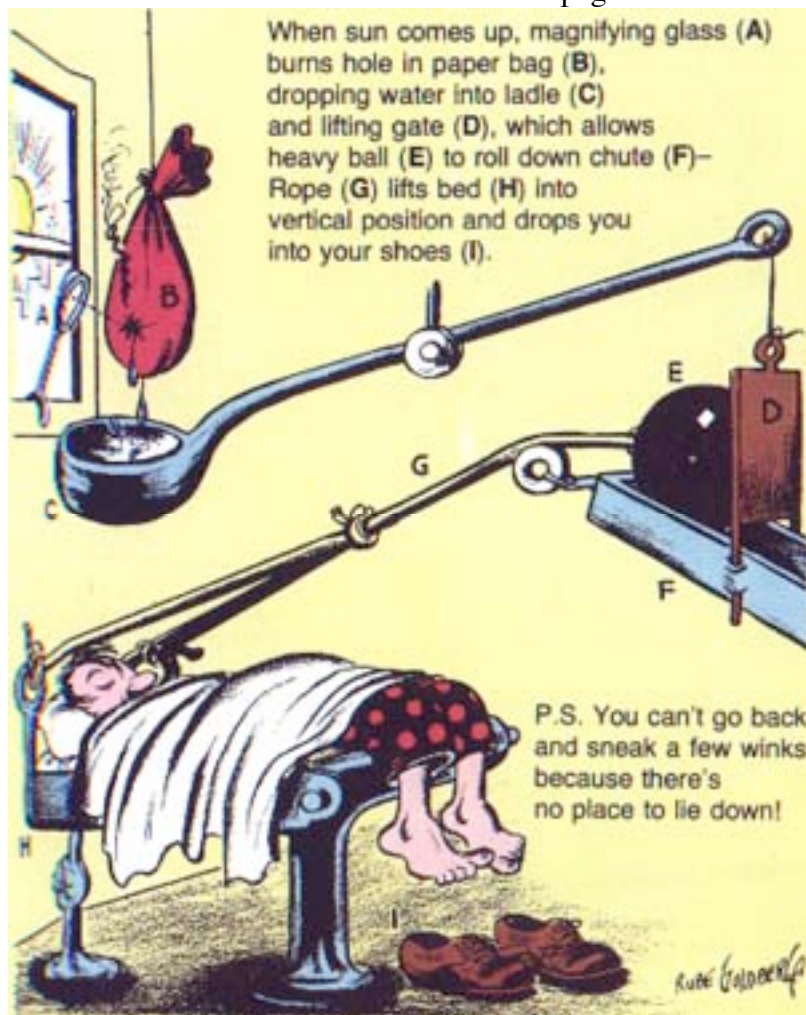
## **YOUR “JOB”**

You Rube Goldberg “job” is to create your own “Rube Goldberg-type machine/invention/creation/”thing.”

We are calling this our  
***“Rube Goldberg-ism.”***

Please read on for examples, ideas, requirements, and some history and fun facts about  
 Rube Goldberg.

Some of you more rambunctious types might be very interested in the Rube Goldberg  
 annual machine contest found on pages 8-9.



**NO MORE OVERSLEEPING...**  
**-An Invention By Rube Goldberg-**

**WORK HARD BUT MOST IMPORTANT...**  
**HAVE SOME FUN...**  
**YOU MIGHT AS WELL SINCE YOU HAVE TO DO IT ANYWAY!!!**

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# **THE RUBE GOLDBERG-ISM**

## **-The Requirements-**

**INNOVATION 2007**

**CHCMS**

**RUBE GOLDBERG MACHINE**

This challenge for your 2007 Rube Goldberg-ism is to draw your own  
**Rube Goldberg machine.**

**DUE: THURSDAY, NOVEMBER 9, 2006**

Your drawing should use simple machines or household items already in use, and they can be incredibly complex and wacky, but somehow (perhaps it was because Rube was a graduate engineer) your “Invention” should show a unique and/or ingenious, logical progression as they worked to finish the task.

### **WHAT DO I HAVE TO DO (requirements):**

1. Draw your own Rube Goldberg
2. Your Rube Goldberg must have from 15-20 steps to solve a common problem or complete a common task
3. Can be in Black and White or Color
4. Draw on white paper
5. Draw neat and make sure it is easy to read.. ..make sure to take your time on this step or you might need to redo it.
6. Spell all words correctly
7. Give your drawing a title
8. Frame your drawing on black and white construction paper
9. (or poster board)
10. Hand in your Rube Goldberg ON TIME!!!

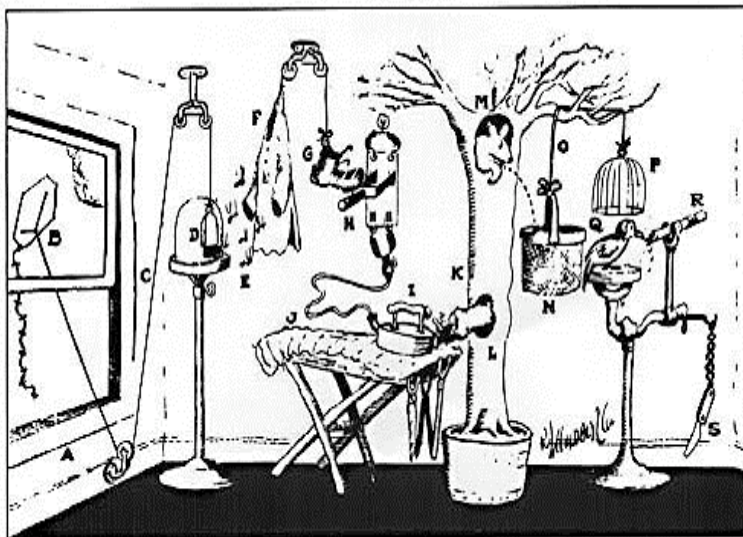
## **RUBE GOLDBERG IDEAS**

### **HOW DO YOU GET IDEAS???:**

1. Look on the internet
  - a. [www.rube-goldberg.com](http://www.rube-goldberg.com)
2. Look and read (yes, actually read) this packet. It is full of ideas.
3. Other ideas:
  - ▣ Put Toothpaste on a Toothbrush
  - ▣ Adhere a Stamp to a Letter 1989 Sharpen a Pencil
  - ▣ Put the Lid on a Ball Jar
  - ▣ Toast a Slice of Bread 1992 Unlock a Combination Padlock
  - ▣ Screw a Light Bulb into a Socket 1994 Make a Cup of Coffee
  - ▣ Turn on a Radio
  - ▣ Put Coins in a Bank
  - ▣ Insert, and Then Play a CD Disk
  - ▣ To Shut Off An Alarm Clock
  - ▣ To Set a Golf Tee and Tee Up a Golf Ball
  - ▣ To Fill and Seal a Time Capsule with 20th Century Inventions

## **THE ULTIMATE PENCIL SHARPENER**

**-an invention by Rube Goldberg-**



Pencil Sharpener RUBE GOLDBERG (tm) RGI 038

Open window (A) and fly kite (B). String (C) lifts small door (D) allowing moths (E) to escape and eat red flannel shirt (F). As weight of shirt becomes less, shoe (G) steps on switch (H) which heats electric iron (I) and burns hole in pants (J). Smoke (K) enters hole in tree (L), smoking out opossum (M) which jumps into basket (N), pulling rope (O) and lifting cage (P), allowing woodpecker (Q) to chew wood from pencil (R), exposing lead. Emergency knife (S) is always handy in case opossum or the woodpecker gets sick and can't work.

**-INNOVATION 2007-**

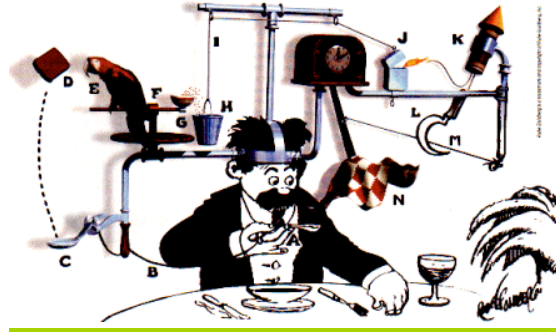
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# **RUBE GOLDBERG BIOGRAPHY**

## **RAISING SPOON TO MOUTH**

**-an invention by Rube Goldberg-**



(A) pulls string (B), thereby jerking ladle (C), which throws cracker (D) past parrot (E). Parrot jumps after cracker, and perch (F) tilts, upsetting seeds (G) into pail (H). Extra weight in pail pulls cord (I), which opens and lights automatic cigar lighter (J), setting off skyrocket (K), which causes sickle (L) to cut string (M) and allows pendulum with attached napkin (N) to swing back and forth, thereby wiping off your chin.

---

Rube Goldberg, (1883-1970), was a Pulitzer Prize winning cartoonist, sculptor, and author.

Rueben Lucius Goldberg (Rube Goldberg) was born in San Francisco. His father, a practical man, insisted he go to college to become an engineer. After graduating from University of California, Rube went to work as an engineer with the City of San Francisco Water and Sewers Department.

He continued drawing, and after six months convinced his father that he had to work as an artist. He soon got a job as an office boy in the sports department of a San Francisco newspaper. He kept submitting drawings and cartoons to his editor, and finally was published. An outstanding success, he moved from San Francisco to New York drawing daily cartoons for the Evening Mail.

Through his 'inventions', Rube Goldberg discovered harder ways to achieve easy results. His cartoons were as he said, symbols of man's capacity for exerting maximum effort to accomplish minimal results. Rube believed that there are two ways to do things, the simple and the hard way, and that a surprisingly number of people preferred doing things the hard way.

Rube Goldberg's work will endure because he gave priority to simple human needs and treasured basic human values. He was sometimes skeptical about technology, which contributed to making his own mechanical inventions primitive and full of human, plant and animal parts. While most machines work to make difficult tasks simple, his inventions made simple tasks amazingly complex. Dozens of arms, wheels, gears, handles, cups, and rods were put in motion: by balls, canary cages, pails, boots, bathtubs, paddles and live animals for the simple tasks of squeezing an orange for juice, or closing a window if it should start to rain before one gets home.

Goldberg's drawings of absurdly-connected machines accomplishing by extremely complex, roundabout means what seemingly could be done simply has meant that his name RUBE GOLDBERG has become associated with any convoluted solution to perform a simple task.

Rube's inventions are a unique commentary on life's complexities. They provide a humorous diversion into the absurd that lampoons the wonders of technology. Rube's hilarious send ups of man's ingenuity strike a deep and lasting chord with today's audience caught in a high-tech revolution but seeking simplicity.

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## THE "REAL" RUBE GOLDBERG MACHINE CONTEST ...yes, there is a real one!!!

The Rube Goldberg Machine Contest brings the ideas of Pulitzer Prize-

winning artist Rube Goldberg's "Invention" cartoons to life. Named after, and inspired by the cartoonist Reuben Lucius Goldberg, this Olympics of Complexity is designed to pull students away from conventional problem-solving and push them into the endless chaos of imagination and intuitive thought. To be specific, groups are given an elementary challenge: something as simple as peeling an apple, sharpening a pencil, or putting toothpaste on a toothbrush. But instead of just "solving" the problem, students have to make the solution as complicated and as convoluted as possible. In fact, the more steps - there's a minimum of twenty - the better the Rube Goldberg Machine. And what a machine! An assemblage of ordinary objects, mechanical gadgets, and the oddest odds and ends are linked together and somehow get to the desired goal.



Rube Goldberg drew his "Inventions" as contraptions that satirized the new technology and gadgets of the day. His drawings, using simple machines and household items already in use, were incredibly complex and wacky, but somehow (perhaps it was because Rube was a graduate engineer) the "Inventions" always had an ingenious, logical progression as they worked to finish their task.

The annual National Rube Goldberg Machine Contest held at Purdue University in Indiana is organized by the Phi Chapter of Theta Tau, the National Student Engineering Organization. It hosts college and university teams from across the US. Winners of the high school statewide and regional contests are also invited to run their invention machines at the National.

A "National Contest" for high schools is planned for 2004 to be hosted by the Milwaukee Colleges of Engineering Partnership: Marquette University, Milwaukee School of Engineering, and University of Wisconsin - Milwaukee.

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## THE “REAL” RUBE GOLDBER MACHINE CONTEST

...yes, there is a real one!!!

EVEN MORE INFO

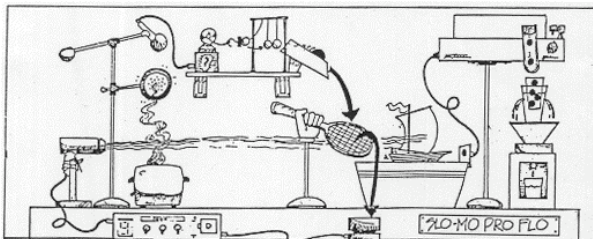
### Recent past challenges have been:

- ▣ 1987 Put Toothpaste on a Toothbrush
- ▣ 1988 Adhere a Stamp to a Letter
- ▣ 1989 Sharpen a Pencil
- ▣ 1990 Put the Lid on a Ball Jar
- ▣ 1991 Toast a Slice of Bread
- ▣ 1992 Unlock a Combination Padlock
- ▣ 1993 Screw a Light Bulb into a Socket
- ▣ 1994 Make a Cup of Coffee
- ▣ 1995 Turn on a Radio
- ▣ 1996 Put Coins in a Bank
- ▣ 1997 Insert, and Then Play a CD Disk
- ▣ 1998 To Shut Off An Alarm Clock
- ▣ 1999 To Set a Golf Tee and Tee Up a Golf Ball
- ▣ 2000 To Fill and Seal a Time Capsule with 20th Century  
Inventions
- ▣ 2001 To Select, Clean and Peel an Apple
- ▣ 2002 To Select, Raise and Wave a National Flag
- ▣ 2003 To Select, Crush and Recycle an Empty Soft Drink Can

What began as a test of perverse engineering skill has become a national craze. Winners from the national contest are featured in the news media and on Television. Past appearances have included Late Night with David Letterman, The Tonight Show, ABC's Good Morning America, as well as NBC's The Today Show.

## FILL A CUP OF WATER

**-an invention an engineering student-**



A sample of an engineering student's version of a Rube Goldberg machine is shown to the left. The challenge was to build a machine that would fill a cup of water in 20 or more steps. The task is accomplished in true Rube Goldberg fashion by burning a waffle in a toaster, which sets off a smoke alarm, which activates a microphone, which then starts a small electronic motor, which...well, you get the idea. The cup of water is shown being filled at the lower right of the picture.

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# THE “REAL” RUBE GOLDBERG MACHINE CONTEST

...yes, there is a real one!!!

YES...EVEN MORE INFO

..and I know you want more info...!!!

INTERESTED???

...MAYBE FOR NEXT YEAR???

**RUBE GOLDBERG AND THE RUBE GOLDBERG MACHINE CONTEST  
ARE THE TRADEMARKS OF RUBE GOLDBERG  
INCORPORATED**

For more information

please contact:

**Frank Wolfe, Rube Goldberg Inc.,**

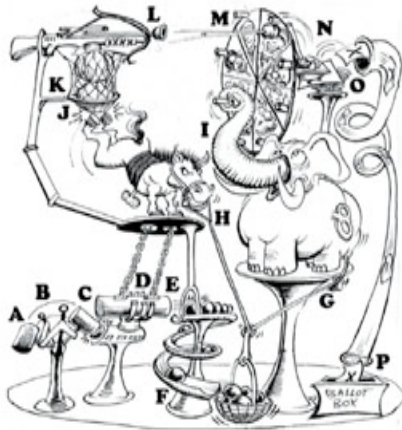
**40 Central Park South, Ste.7E,**

**New York, NY 10019-1633**

**Tel: (212) 371 - 3760**

**Fax: (212) 371 - 3761**

**E-Mail:mfwolfe@compuserve.com**



- (A) HUMAN HAND RELEASES RUBBER BAND SLING-SHOT.  
(B) RUBBER BAND LAUNCHES Mallet.  
(C) Mallet HITS CLAMP RELEASE BUTTON.  
(D) CLAMP OPENS, FREEING SUSPENDED LOG.  
(E) LOG SWINGS INTO BILLIARD BALLS.  
(F) BILLIARD BALLS ROLL DOWN SHOOT INTO BASKET.  
(G) BASKET WEIGHS DOWN TOY ELEPHANT'S TAIL.  
(H) BASKET PULLS MECHANICAL DONKEY'S HARNESS.  
(I) TOY ELEPHANT'S TRUNK SPINS ROTATING DARTBOARD  
FEATURING CANDIDATES FACES.  
(J) DONKEY KICKS BASKETBALL RESTING IN HOOP.  
(K) BASKETBALL POPS UP, HITTING CROSSBOW TRIGGER.  
(L) CROSSBOW FIRES SUCTION CUP ARROW.  
(M) ARROW HITS LUCKY CANDIDATE'S HEAD.  
(N) DARTBOARD PANEL WITH RUBBER STAMP ATTACHED FALLS  
BACKWARDS, MARKING NAME OF CANDIDATE ON VOTING BALLOT.  
(O) SPRING LOADED TABLE BOUNCES BALLOT INTO PNEUMATIC TUBE.  
(P) PNEUMATIC TUBE SUCKS UP AND SPITS OUT PAPER SLIP  
INTO BALLOT BOX...AND THE VOTE IS CAST.  
(THAT'S NOT TWENTY STEPS...BUT YOU GET THE IDEA.)



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## **RUBE GOLDBERG TODAY**

Best known for his "INVENTIONS" cartoons, which use a string of outlandish tools, people, plants, and steps to accomplish everyday simple tasks in the most complicated way, Pulitzer Prize winning cartoonist Rube Goldberg's drawings point out that people are often overwhelmed by over complicating their lives.

Rube Goldberg's "INVENTIONS" continue to inspire the many local and regional RUBE GOLDBERG MACHINE CONTESTS culminating at the "University National Contest", which is held annually at Purdue University. This National Competition (featuring "winners" from local contests at universities and colleges all over the country) garners growing international and domestic network TV, print, and other media coverage. High and middle school science classes and clubs throughout the U.S. are now also holding regional and state-wide RUBE GOLDBERG MACHINE CONTESTS. A "National Contest" for high schools is planned for 2004 to be hosted by the Milwaukee Colleges of Engineering Partnership: Marquette University, Milwaukee School of Engineering, and University of Wisconsin - Milwaukee.

Rube's work has been immortalized in every media from a recent U. S. postage stamp to the many RUBE GOLDBERG sites on the Internet; at last count almost 3,000 "references" to Rube are on the Web.

A new book titled: *RUBE GOLDBERG: INVENTIONS!* was published by Simon and Schuster. It joined a collection of Rube's INVENTIONS as a book of postcards in color which has also been very well received.

ViaCom's Nickelodeon with Paramount Films has a Rube Goldberg feature film in development, as well as a biographical documentary film for television.

Rube Goldberg has been part of shows presented at the Smithsonian Museum, the Williams College Museum of Art, and the new Tang Museum of Art at Skidmore College.

Rube Goldberg fans will also see more of Rube with stories and cartoons about and by Rube in many publications with numerous and regular "mentions" in the *New York Times*, *Wall Street Journal*, *Time Magazine*, *Newsweek*, *USA TODAY*, *Scientific American*, etc. continues to talk about, and laugh with the wonderful drawings and "INVENTIONS" of RUBE GOLDBERG.

Rube Goldberg's "INVENTIONS" have become such a part of the English language that just their mention brings instant recognition, a laugh, and an image of the most convoluted way to do something simple. Rube, a graduate engineer from the University of California at Berkeley, uses his engineering, story-telling, and drawing skills to make sure that the "INVENTIONS" work, even though they might need very patient and dedicated people, animals, and plants to accomplish the inventor's goal. The "INVENTIONS" are always very funny, and do make you laugh as you learn a thing or two about how easy it is to make simple, everyday tasks "complicated".

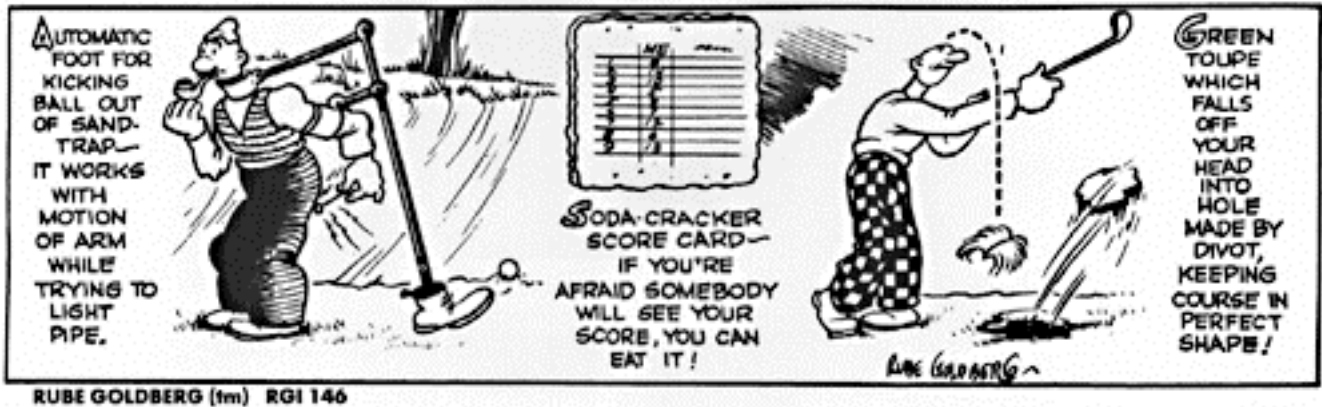
For further information please E-mail: [Information@rubegoldberg.com](mailto:Information@rubegoldberg.com)

# MORE RUBE GOLDBERG EXAMPLES...

• ...or just read 'em for fun!!!

## GOLF INVENTION

-an invention by Rube Goldberg-

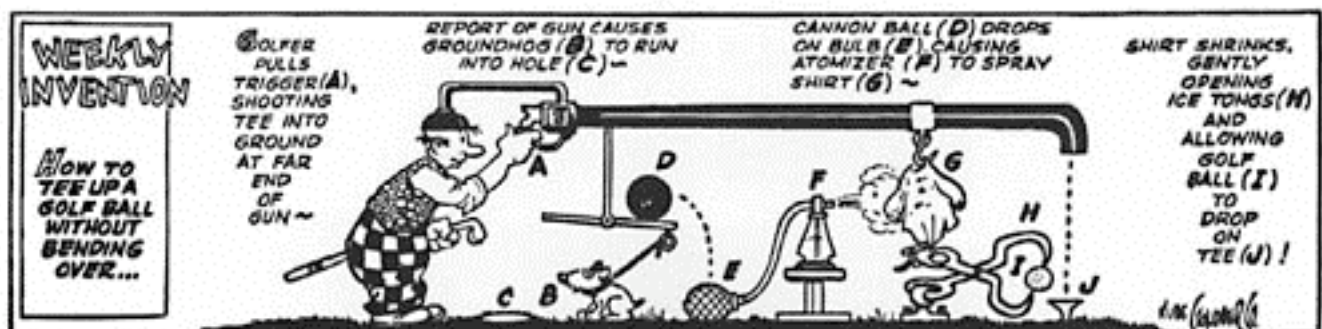


Hardly a day goes by without The New York Times, National Public Radio, The Wall Street Journal some other major media player invoking the name Rube Goldberg to describe a wildly complex program, system or set of rules such as our “Rube Goldberg-like tax system” The annual National Rube Goldberg Machine Contest, at Purdue University and covered widely by the national media, brings Rube’s comic inventions to life for millions of fans.

The work of Rube Goldberg connects with both an adult audience well versed in the promise and pitfalls of modern technology (can anyone over 40 program their VCR?) and younger fans intrigued by the creativity and possibility of invention

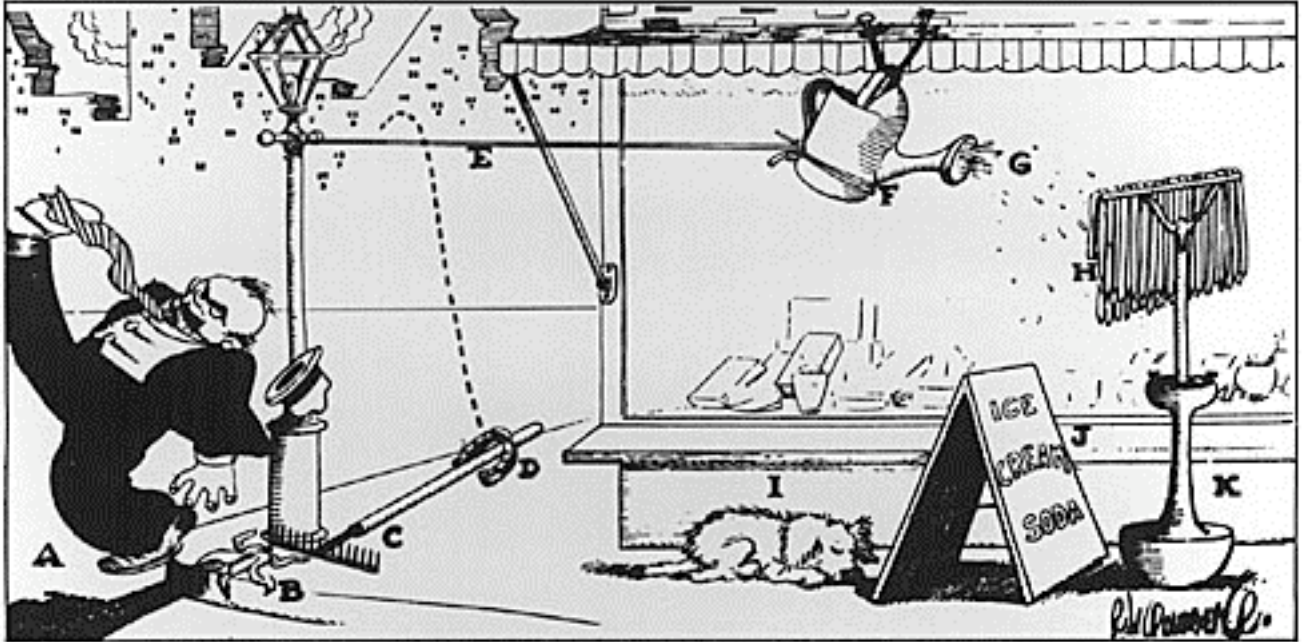
## TEEING UP A GOLF BALL

-an invention by Rube Goldberg-



## KEEPING WINDOWS CLEAN

-an invention by Rube Goldberg-



How To Keep Shop Windows Clean RUBE GOLDBERG (tm) RGI 031

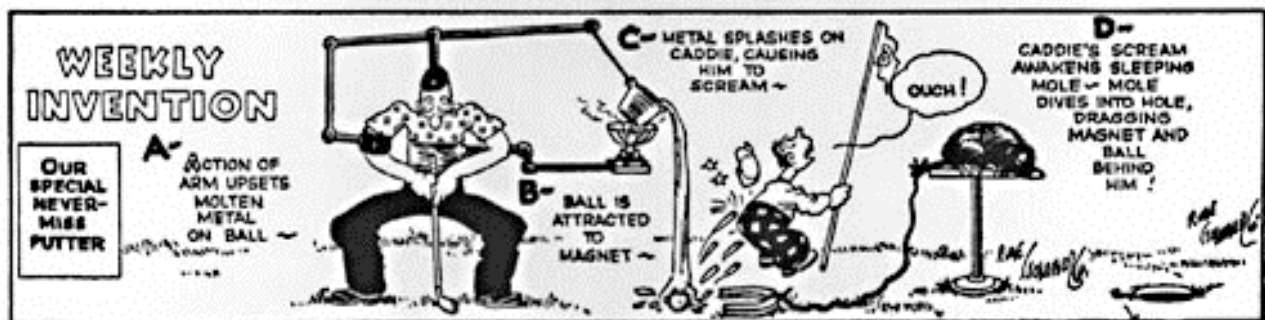
Rube Goldberg stands in front of an x-ray and sees an idea inside his head showing how to keep shop windows clean.

Passing man (A) slips on banana peel (B) causing him to fall on rake (C). As handle of rake rises it throws horseshoe (D) onto rope (E) which sags, thereby tilting sprinkling can (F). Water (G) saturates mop (H).

Pickle terrier (I) thinks it is raining, gets up to run into house and upsets sign (J) throwing it against non-tipping cigar ash receiver (K) which causes it to swing back and forth and swish the mop against window pane, wiping it clean. If man breaks his neck by fall move away before cop arrives.

## NEVER MISS PUTTER

-an invention by Rube Goldberg-



RUBE GOLDBERG (TM) RGI 135

-INNOVATION 2007-

Friday, May 11, 2007

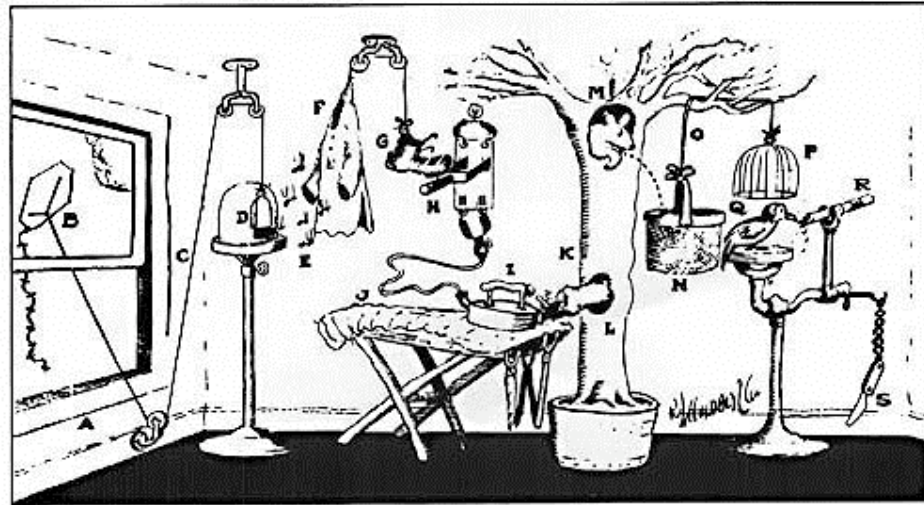
*"Necessity is the Mother of Inventions"*

## THE “SIMPLIFIED” PENCIL SHARPENER

-an invention by Rube Goldberg-

Rube Goldberg gets his think-tank working and evolves the simplified pencil-sharpener.

Open window (A) and fly kite (B). String (C) lifts small door (D) allowing moths (E) to escape and eat red flannel shirt (F). As weight of shirt becomes less, shoe (G) steps on switch (H) which heats electric iron (I) and burns hole in pants (J). Smoke (K) enters hole in tree (L), smoking out opossum (M) which jumps into basket (N), pulling rope (O) and lifting cage (P), allowing woodpecker (Q) to chew wood from pencil (R), exposing lead. Emergency knife (S) is always handy in case opossum or the woodpecker gets sick and can't work.

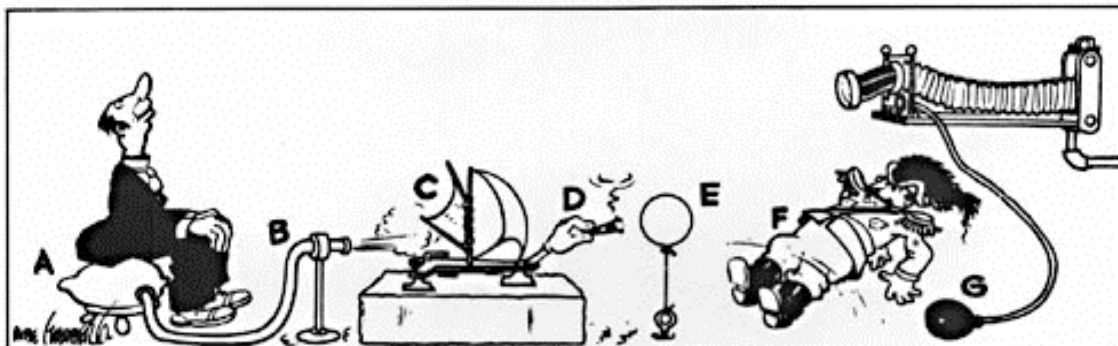


Pencil Sharpener RUBE GOLDBERG (tm) RGI 038

## THE “SIMPLIFIED” CAMERA

-an invention by Rube Goldberg-

As you sit on pneumatic cushion (A), you force air through a tube (B) which starts ice boat (C), causing lighted cigar butt (D) to explode balloon (E). Dictator (F), hearing loud report, thinks he's been shot and falls over backward on bulb (G), snapping picture!



# CREATING A TIMELINE

**DUE DATE: THURSDAY, DECEMBER 7, 2006**

**WHAT IS A TIMELINE:** A timeline is a graphic picture of people, or events that have occurred showing the relationship in chronological order from the earliest event to the most recent. Your timeline will include the dates (year), people or event/invention, and a brief explanation of the event. You should also include a few small pictures or graphics (you do not need to include a graphic for each event/invention).

## **WHAT YOU WILL DO:**

- ⇒ You will be placed in a group of two/three/four students
- ⇒ Your group will be given a decade  
(EXAMPLE: 1970-1979, 1990-1999, etc) to research your decade for inventions.)
- ⇒ Your research on INVENTIONS will be done on 3x5 card in the format below (these cards will be turned in for a grade)
- ⇒ After your research is concluded, you will display that information in a timeline format.
- ⇒ Your timeline should include the following:
  - ✓ Several inventions (AT LEAST 10) created in your decade
  - ✓ Names and Dates
  - ✓ Stories
  - ✓ Colorful and Creative Presentation
- ⇒ Your timeline will be completed in ART class, possible class time and home might also be needed.
- ⇒ All final timelines will be completed on large white poster board supplied by Mr. A.

## **3 X 5 RESEARCH CARD FORMAT**

### **FRONT** **(NOTE CARD)**

#### Invention of the Post-It Note

- created by accident, not planned
- Invented by Spencer Silver, worked in 3M labs doing research in 1970
- Was trying to invent a strong adhesive
- Instead of strong, he invented a super weak adhesive
- Did not know what to do, but did not throw it away
- Arthur Fry, another scientist at 3M, used markers to keep track of his place in a book. These markers fell out
- Fry started using the super-weak adhesive on his markers
- ..they stayed in place and did not tear the pages when taken off

### **BACK**

### **(BIBLIOGRAPHY CARD)**

Jones, Charlotte Foltz, Mistakes That Worked.  
New York: Bantam Doubleday  
Publishing Group, Inc., 1991

#### FORMAT

Author (Last Name first)  
State Where Published:  
Publishing Company

## THE “REAL DEAL”

The actual thinking,  
creating, designing  
and building  
of your Invention

### THE INVENTION

Now you are ready to begin creating your invention. There are many steps you might want to consider as you innovate. Each step below contains due dates as well as direction for completing each aspect.

Each step will be detailed in the following pages.

#### STEP 1... THE SURVEY

*...Due: Friday, January 26, 2007*

#### STEP 2... CHOOSE A PROBLEM & MY INVENTION SHEET

*...DUE: FRIDAY, FEBRUARY 23, 2007*

#### STEP 3... INTENT to INVENT

*...Due: Friday, March 9, 2007*

#### STEP 4... THE MODEL

*...Due: Friday, March 9, 2007*

#### STEP 5... THE REDESIGN

*...DUE: NO DUE DATE*

#### STEP 6... CREATE

*...Due: Final Invention and Display Board Due: Thursday, May 5, 2005*

#### STEP 7... APPLY for a PATENT

*...Due: Friday, April 20, 2007*

#### STEP 8... LOGO/TRADEMARK, NAME, MARKETING STRATEGY

*...Due: Friday, April 20, 2007*

#### STEP 9... Hand it in!!!

*...Due: Final Invention and Display Board Due: Thursday, May 10, 2005*

#### STEP 10... SHOW~N~TELL

*...Due: "Innovation 2007": Friday, May 11, 2007*

*Church Lobby (Room Site May Change)*

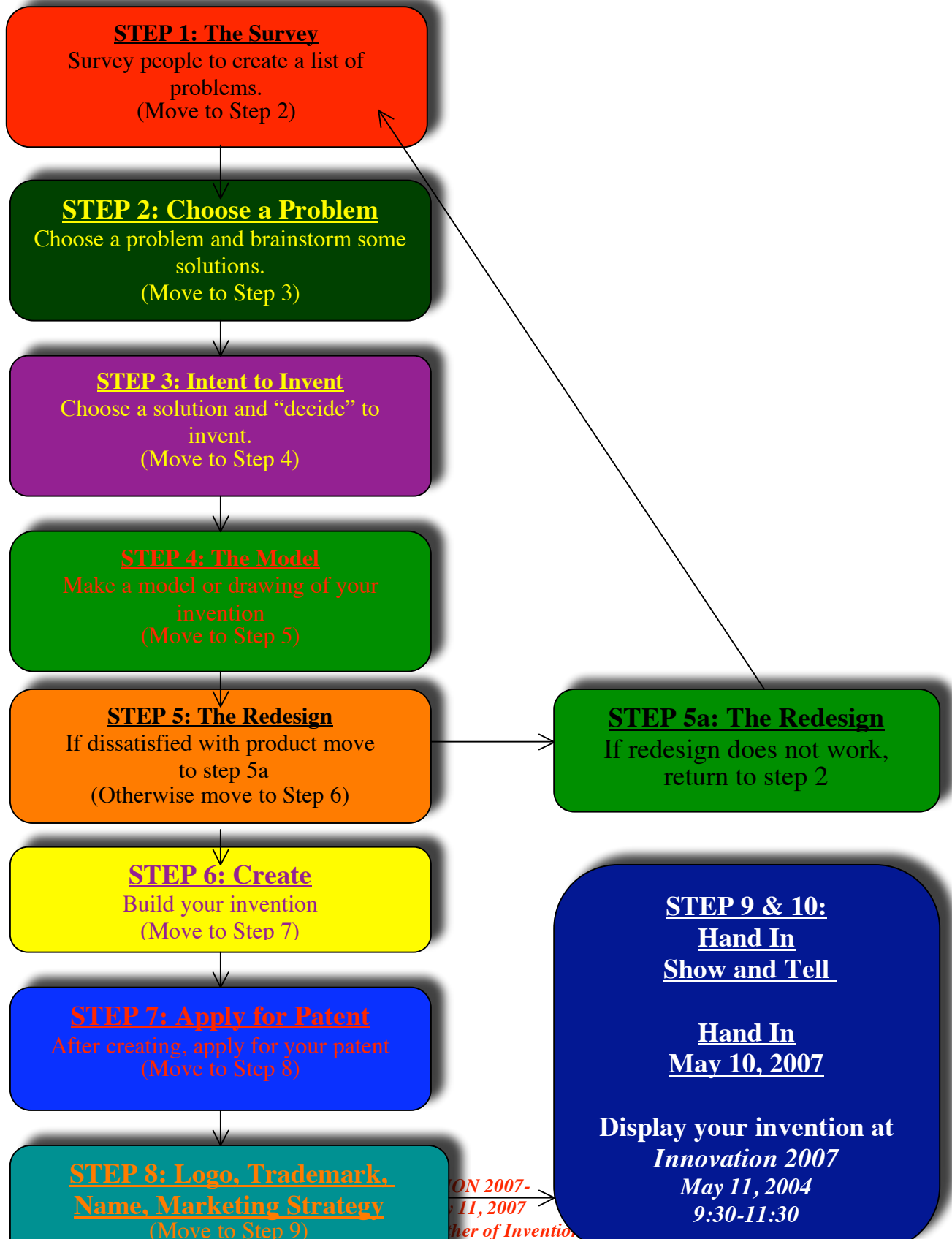
*9:30-11:30*

*-INNOVATION 2007-*

*Friday, May 11, 2007*

*"Necessity is the Mother of Inventions"*

# FLOW CHART FOR INVENTIONS



## **STEP 1... THE SURVEY**

**...Due: Friday, Jan. 26, 2007**

### **WHAT YOU DO?**

**“Survey” Sheets**

### **DUE DATE:**

**Friday, January 26, 2007**

Survey people (adults included) to compile a list of

<h1 style="margin: 0;"><b><u>SURVEY</u></b></h1> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>WHAT YOU NEED TO DO:</b>  <b>Survey at least four people to get a list of problems</b>  <small>(Two interviews must not be from your family or from CHCMS or CHCS)</small>  <b>Must be in your handwriting</b>  DUE: Friday, January 26, 2007  NAME OF PERSON SURVEYED _____</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>1. What things don't work as well as you would like them to work?</p> <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>2. What is your hardest job at school/work?</p> <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>3. What is your hardest job at home?</p> <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> </div> <div style="border: 1px solid black; padding: 5px;"> <p>4. What could make your life easier?</p> <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center;"><b>Inventor (That's You!!!)</b></p> <div style="border-bottom: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> </div>
--	---

problems. You must complete at least four surveys.

Two interviews must be non-family and non-CHCMS/CHCS people

Must be in your handwriting!!!

Print out and complete the problem *Survey Sheets* included in your folder.

Please be complete and allow yourself to think of ANY problems.

**STEP 2...**  
**CHOOSE A PROBLEM & MY INVENTION SHEET**  
**...DUE: FRIDAY, FEBRUARY 23, 2007**

## CHOOSE A PROBLEM/MY INVENTION

## WHAT YOU DO?

## “Choose a Problem/Brainstorming Sheet”

## “My Invention” Sheet

**DUE DATE:**

**Friday, February 23, 2007**

Choose one problem and brainstorm a set of solutions. We will brainstorm in class, but you may complete this process on your own (it is good to brainstorm with a group of students.)

Please be complete and allow yourself to think of ANY solutions (you never know what will work).

<h1 style="margin: 0;"><b>CHOOSE A PROBLEM</b></h1>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"><b>Inventor (That's You!!!)</b> _____ Class _____</div> <div style="border: 1px solid black; padding: 10px; text-align: center;"><b>WHAT YOU NEED TO DO:</b> <b>Pick one problem and brainstorm a set of possible solutions</b></div> <div style="border: 1px solid black; padding: 10px; text-align: center; margin-top: 10px;"><b>DUE: Friday, February 23, 2007</b></div> <div style="border: 1px solid black; padding: 10px; text-align: center; margin-top: 10px;"><b>WHICH PROBLEM DID YOU PICK?</b> <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div></div>
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"><b>1. LIST THE POSSIBLE SOLUTIONS</b></div> <div style="border: 1px solid black; height: 400px; width: 100%; margin-top: 5px;"></div>	

## BRAINSTORMING GUIDELINES:

1. Accept all ideas...even crazy ones
2. No criticism
3. Generate as many ideas as possible
4. Build on each idea

Complete *Choose a Problem Sheet* and *My Invention Sheet*

<h1 style="margin: 0;"><u><b>MY INVENTION</b></u></h1>	
<p style="text-align: center;"><b>WHAT YOU NEED TO DO:</b></p> <p style="text-align: center;"><b>After choosing your solution to develop, decide on a design and materials you will need.</b></p> <p style="text-align: center;">DUE: Friday, February 23, 2007</p>	<p style="text-align: center;"><b>Inventory (That's You!!!)</b></p> <p style="text-align: right;">Class _____</p>
<p style="text-align: center;"><b>WHAT YOU NEED TO DO:</b></p> <p style="text-align: center;"><b>After choosing your solution to develop, decide on a design and materials you will need.</b></p> <p style="text-align: center;">DUE: Friday, February 23, 2007</p>	
<p><b>Which solution did you decide to try? Why?</b></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<p><b>What materials will you use to make your invention?</b></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<p style="text-align: center;"><b>Briefly explain how your invention will work.</b></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	

# STEP 3...

## INTENT to INVENT

### ...Due: Friday, March 9, 2007

## INTENT to INVENT

**WHAT YOU DO?**  
**Intent to Invent Sheet**

**DUE DATE:**  
**Friday, March 9, 2007**

Choose one solution to your problem and develop that idea. Decide on the design and materials you will need to make your invention.

Complete the *Intent to Invent* sheet included in this file.

<b><u>INTENT</u></b> <b><u>to</u></b> <b><u>INVENT</u></b>	<b>Inventor (That's You!!!)</b> _____ Class _____
<b>WHAT YOU NEED TO DO:</b> <b>Completely fill out this form.</b> DUE: Friday, March 9, 2007	
Inventor _____ <div style="display: flex; justify-content: space-around; font-size: small;"> <span>(Last Name)</span> <span>First Name</span> </div>	
Grade Level _____ Teacher (s) _____ School _____ School Phone Number _____ City _____ State _____ ZIP _____	
I, _____, intend to invent _____ _____	
A brief description: _____ _____ _____ _____	
I have determined to the best of my ability that my invention will be original by taking the following steps: _____ _____ _____ _____	
I will be using the following materials in my invention: _____ _____	
I will practice science safety at all times. _____	
_____ <small>Inventor's Signature</small>	

**STEP 4...**  
**THE MODEL**  
*...Due: Friday, March 9, 2007*

**THE MODEL**

**WHAT YOU DO?**  
**The Model Sheet**

**DUE DATE:**  
**Friday, March 9, 2007**

<b><u>THE MODEL</u></b> <b><u>(or drawing)</u></b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Inventor (That's You!!!)</td> </tr> <tr> <td style="padding: 2px;"> <div style="border-bottom: 1px solid black; width: 80%; display: inline-block;"></div> <div style="border-bottom: 1px solid black; width: 20%; display: inline-block; text-align: center;">Class</div> </td> </tr> </table>	Inventor (That's You!!!)	<div style="border-bottom: 1px solid black; width: 80%; display: inline-block;"></div> <div style="border-bottom: 1px solid black; width: 20%; display: inline-block; text-align: center;">Class</div>
Inventor (That's You!!!)			
<div style="border-bottom: 1px solid black; width: 80%; display: inline-block;"></div> <div style="border-bottom: 1px solid black; width: 20%; display: inline-block; text-align: center;">Class</div>			
<p style="text-align: center;"><b>WHAT YOU NEED TO DO:</b></p> <p>Make a model or drawing of your invention. You might want to complete a few drafts of your drawings before drawing your final model. Be neat!</p> <p>You could also include measurements and labels if needed.</p> <p style="text-align: center;">DUE: Friday, March 9, 2007</p>			

Complete the *Model/Drawing* sheet included in this file.

Please be complete and allow yourself to think of ANY problems.

# STEP 5...

## THE REDESIGN

### *...DUE: No DUE DATE*

#### REDESIGN

#### WHAT YOU DO?

##### Redesign Sheet

#### DUE DATE:

When Needed..if needed

As you complete your invention, redesigns might be necessary. Do not simply try something new. Plan out any new ideas or corrections on paper first, then complete the work on your invention.

#### THE REDESIGN (if needed)

Inventor (That's You!!!)

\_\_\_\_\_ Class \_\_\_\_\_

#### WHAT YOU NEED TO DO:

Redesign your invention using these questions to help you.

DUE: No Due date on this aspect of the project.

#### SOME QUESTIONS TO THINK ABOUT WHEN YOU REDESIGN:

- Should you use another material for a part?
- Should you take one part out and put some other kind of part in?
- Should some part or the whole invention become BIGGER or smaller?
- Should you rearrange the parts?
- Should the back be the front?
- Should the side be reversed?
- Does the invention have a part it doesn't need at all?
- Is the invention missing a part that it needs?
- Does the invention meet a need you did not think it would?
- Is the invention a mistake, but it still does something helpful?

-INNOVATION 2007-

Friday, May 11, 2007

*"Necessity is the Mother of Inventions"*

# STEP 6... CREATE

*...Due: Final Invention  
and Display Board Due:  
Thursday, May 10, 2007*

## CREATE

**WHAT YOU DO?**  
**“JUST BUILD IT”**

**DUE DATE:**  
**May 10, 2005**

Complete your invention.

During this step, your invention will be built.

**DO NOT** count on class time to build your invention.

If class time is given the following guideline will be helpful:

1. Bring materials to school
2. Bring any materials in some type of container
3. Label all containers
4. Power equipment (Electric saws, drills, cranes, bulldozers, etc will not be allowed in class.
5. Do not bring dangerous equipment

All inventions will be due on Thursday, May 10. This will give you time to bring them in and time for you explain your invention to the class

**STEP 7...**  
**APPLY for a PATENT**  
**...Due: Friday, April 20, 2007**

<b><u>APPLY</u></b> <b><u>for</u></b> <b><u>PATENT</u></b>	<div style="border: 1px solid black; padding: 2px;"> <b>Inventor (That's You!!!)</b>          _____ Class _____       </div>
<b>WHAT YOU NEED TO DO:</b> <b>Completely fill out this patent application.</b> DUE: Friday, April 20, 2007	
Inventor's Name _____ Name of Invention _____ Briefly describe your invention _____ _____ _____ How does your invention work and why is it helpful? _____ _____ _____ _____ Who will use your invention? _____ _____ _____ _____	
<b>PLEASE SUBMIT AN UPDATED DRAWING OF          YOUR INVENTION WITH YOUR          PATENT APPLICATION</b>	

**APPLY for PATENT**

**WHAT YOU DO?**  
**Complete Patent Application Sheet**

**DUE DATE:**  
**Friday, April 20, 2007**

Completely fill out your  
*Patent Application.*

After review of patent application, your  
 patent will be awarded.

<b><u>APPLY</u></b> <b><u>for</u></b> <b><u>PATENT</u></b>	<div style="border: 1px solid black; padding: 2px;"> <b>Inventor (That's You!!!)</b>          _____ Class _____       </div>
<b>WHAT YOU NEED TO DO:</b> <b>Draw an updated version of your invention.</b> DUE: Friday, April 20, 2007	

## STEP 8...

# LOGO/TRADEMARK, NAME, MARKETING STRATEGY

**...Due: Friday, April 20, 2007**

## LOGO/TRADEMARK, NAME, MARKETING STRATEGY

### WHAT YOU DO?

#### DUE DATE:

**“Logo/Trademark, Name” Sheet**

**Friday, April 20, 2007**

**“How will I Sell It” Sheet**

### LOGO/TRADEMARK:

Complete the *Logo, Trademark* and *How Will I Sell It?* Sheet

Develop a Logo/Trademark that will make your product unique. The logo needs to be a word, phrase, symbol or design to identify your product. (See examples to find out if you can identify the product simply from the logo.)

Logos/trademarks help in the advertisement of a product. Your trademark will be protected by a copyright. You may not use a copyrighted trademark for your own product or inventions. Your logo/trademark needs to be your own idea.

This logo should go on any and all items you create (Including the invention itself, posters, signs, etc...)

### NAME YOUR INVENTION:

Complete the “*Naming your Invention*” Sheet

Similar to the logo/trademark, the name of your invention need to be simple, easy for people to remember, and unique.

### MARKETING STRATEGY:

<p><b>MARKETING STRATEGY</b> <b>“HOW WILL I SELL IT?”</b></p> <p><b>WHAT YOU NEED TO DO:</b> Develop a marketing strategy and the do it. DUE: Friday, April 20, 2007</p> <p>Who will buy your invention?</p> <p>Why will they buy it?</p> <p>How will you advertise?</p> <p><b>YES YOU MUST DO THIS:</b> After completing this form, do it. If you decide to advertise on the internet, what would your web page or ad look like. If you decide to advertise in a magazine, what magazine and what would the ad look like. If you were going to make a TV commercial, then do it...yes, actually write and film a 30 second commercial (use yourself, your family, even your friends as actors). If you were going to create a radio commercial, then actually do it. <small>Whatever you do, make it a part of your display for May 6, 2005.</small></p>	<p><b>Inventor (That's You!!!)</b> Class, _____</p>
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Complete the “*How will I Sell It*” Sheet

You will need to create a way you will sell your product

After thinking of your idea, you will need to complete the idea. This advertisement will be included at *Innovation 2005* display.

#### SOME IDEAS:

- ◇ Advertisement in a newspaper, magazine.
- ◇ Brochure
- ◇ Web site
- ◇ Poster
- ◇ Television Commercial
- ◇ What else???
- ◇ Look at the World around you and find other ways to advertise. HAVE FUN!!!!

**-INNOVATION 2007-**

**Friday, May 11, 2007**

**“Necessity is the Mother of Inventions”**

<p><b>LOGO/TRADEMARK, NAME</b></p> <p><b>WHAT YOU NEED TO DO:</b> In the box below, design a logo/trademark that best represents your invention. DUE: Friday, April 20, 2007</p> <p>NAME OF YOUR INVENTION</p> <p>WHY DID YOU GIVE IT THE NAME YOU DID?</p>	<p><b>Inventor (That's You!!!)</b> Class, _____</p>
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## STEP 9...

Hand it in!!!

*...Due: Final Invention and Display Board  
Due: Thursday, May 10, 2007*

### **HAND IT IN...ON TIME...AND COMPLETE**

#### **WHAT YOU DO?**

**“Hand It In”**

**DUE DATE:**

**May 10, 2007**

Your invention will be handed in on Thursday, May 6 (Yes a day before *Innovation 2007*). The morning of May 11, you will bring your invention to room 249-251 or in the church lobby (more info later) or in room 298...sorry, I do not know yet.

On this day will be have a chance to briefly describe your invention to your class.

More Directions will be given in class.

STEP 10...  
SHOW~N~TELL

*...Due: "Innovation 2007": Friday, May 11, 2007*  
*Church Lobby*  
*9:30-11:30*

**SHOW~N~TELL**

**WHAT YOU DO?**  
**Show and Tell**  
**..About Your Invention**

**DUE DATE:**  
**Friday, May 6, 2005**

On the morning of May 6 (between 9:00 and 9:30), you will need to set up your invention in your designated spot. Please let me know if electricity is needed a few days before *Innovation 2005*.



*-INNOVATION 2007-*  
*Friday, May 11, 2007*  
*"Necessity is the Mother of Inventions"*

# THE DISPLAY

**WHAT YOU DO?****Display your invention****DUE DATE:****Thursday, May 10 and Friday, May 11, 2007**

Use a display board (if necessary) to display your invention. Display boards can be purchased at Office Max, Office Depot, and probably Walmart or Target. Using two pieces of poster board or cardboard can also make a display board, but NOT very sturdy. Although creating one on your own is good, a store bought board might be easier.

Make your display board eye-catching and easy to read.

**REQUIREMENTS:**

Name of Invention

Inventor's name (That's you!!!)

Diagram of Invention with labels explaining how it works...sort of like a Rube Goldberg.

Purpose of the Invention:

What is the problem you are trying to solve?

Why did you decide to invent your product?

Your commercial or advertisement

**OPTIONAL but HIGHLY RECOMMENDED**

Photos

Graphs

Pictures/Drawings

Magazine or newspaper clippings that relate to your invention

Biography of the inventor (You got it, that's you again!!!)

Any sheets you want

Intent to Invent

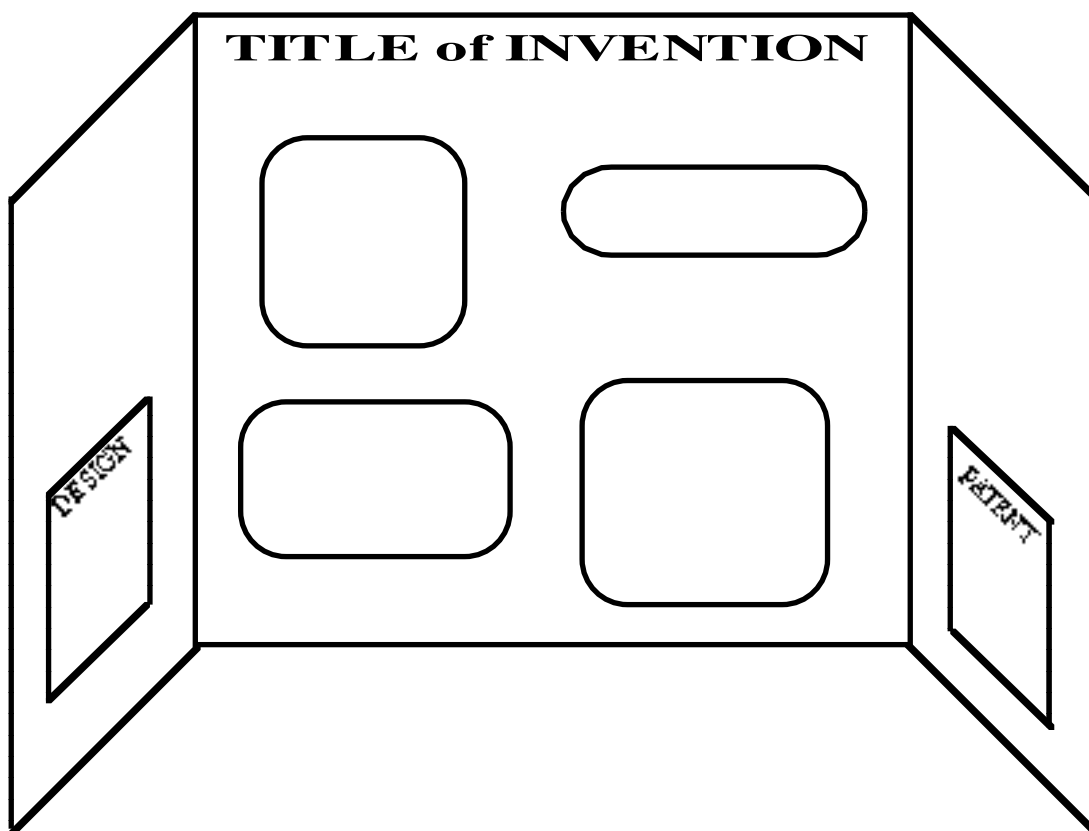
Surveys

Etc...

Your Patent

On Friday, May 11, you will need to place all equipment, your invention, research information, books, display board and any other materials that go with your invention on the table corresponding with your number.

# SAMPLE OF DISPLAY BOARD



# HELPFUL HINTS

**Need some help?**

**Use these ideas to create your own idea and to get your brain thinking!!!!**

- ✓ a device that cleans gutters
- ✓ a plastic product that holds a book while you eat
- ✓ a rain poncho designed for use when riding a bike
- ✓ a lunch box alarm
- ✓ a bird feeder that protects feed from wind and rain
- ✓ a new board game
- ✓ a newly designed bottle opener
- ✓ a toothpaste cap that minimizes waste and mess
- ✓ a billfold that organizes money denomination for blind people
- ✓ a new candy bar
- ✓ a new type of swing
- ✓ clothing tags to help match and coordinate clothes
- ✓ a dog collar that lights up at night
- ✓ a new type of ice cream container that minimizes
- ✓ a device to hold objects for disabled people who use a walker or wheelchair
- ✓ a computer program that uses graphics and music for entertaining children
- ✓ a child seat that fits a shopping cart
- ✓ a new type of shopping cart
- ✓ a leg cast sock to keep toes warm
- ✓ tapeless wrapping paper
- ✓ a comforter for cats/dogs/whatever
- ✓ a computer program that catalogs videotapes
- ✓ a device that makes it easier to swallow pills
- ✓ a drying rack for gloves
- ✓ a liquid that covers fade marks on blue jeans
- ✓ a chocolate candy device that prevents ice cream cones from dripping

*-INNOVATION 2007-*

*Friday, May 11, 2007*

*“Necessity is the Mother of Inventions”*

# SURVEY

**Inventor (That's You!!!)**

\_\_\_\_\_ Class \_\_\_\_\_

## **WHAT YOU NEED TO DO:**

**Survey at least four people to get a list of problems**

**(Two interviews must not be from your family or from CHCMS or CHCS)**

**Must be in your handwriting**

**DUE: Friday, January 26, 2007**

NAME OF PERSON SURVEYED

\_\_\_\_\_

1. What things don't work as well as you would like them to work?


2. What is your hardest job at school/work?


3. What is your hardest job at home?


4. What could make your life easier?


## CHOOSE A PROBLEM

## **Inventor (That's You!!!)**

\_\_\_\_\_ Class \_\_\_\_\_

## WHAT YOU NEED TO DO:

## Pick one problem and brainstorm a set of possible solutions

DUE: Friday, February 23, 2007

WHICH PROBLEM DID YOU PICK?

---

### 1. LIST THE POSSIBLE SOLUTIONS

[illegible]

# **MY INVENTION**

**Inventor (That's You!!!)**

\_\_\_\_\_ Class \_\_\_\_\_

## **WHAT YOU NEED TO DO:**

**After choosing your solution to develop, decide on a design and materials you will need.**

**DUE: Friday, February 23, 2007**

**Which solution did you  
decide to try? Why?**

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**What materials will  
you use to make  
your invention?**

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**Briefly explain how your invention will work.**

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# **INTENT to INVENT**

**Inventor (That's You!!!)**

\_\_\_\_\_ Class \_\_\_\_\_

## **WHAT YOU NEED TO DO: Completely fill out this form.**

**DUE: Friday, March 9, 2007**

Inventor \_\_\_\_\_  
(Last Name) First Name

Grade Level \_\_\_\_\_ Teacher (s) \_\_\_\_\_

School \_\_\_\_\_ School Phone Number \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

I, \_\_\_\_\_, intend to invent \_\_\_\_\_

A brief description: \_\_\_\_\_

I have determined to the best of my ability that my invention will be original by taking the following steps:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I will be using the following materials in my invention:

\_\_\_\_\_  
\_\_\_\_\_

I will practice science safety at all times.

\_\_\_\_\_

**Inventor's Signature**

## **THE MODEL** **(or drawing)**

**Inventor (That's You!!!)**

\_\_\_\_\_ Class\_\_\_\_\_

### **WHAT YOU NEED TO DO:**

**Make a model or drawing of your invention. You might want to complete a few drafts of your drawings before drawing your final model. Be neat!**

**You could also include measurements and labels if needed.**

**DUE: Friday, March 9, 2007**

# **THE REDESIGN** **(if needed)**

**Inventor (That's You!!!)**

\_\_\_\_\_ Class \_\_\_\_\_

## **WHAT YOU NEED TO DO:**

**Redesign your invention using these questions to help you.**

DUE: No Due date on this aspect of the project.

## **SOME QUESTIONS TO THINK ABOUT WHEN YOU REDESIGN:**

Should you use another material for a part?

Should you take one part out and put some other kind of part in?

Should some part or the whole invention become BIGGER or smaller?

Should you rearrange the parts?

Should the back be the front?

Should the side be reversed?

Does the invention have a part it doesn't need at all?

Is the invention missing a part that it needs?

Does the invention meet a need you did not think it would?

Is the invention a mistake, but it still does something helpful?

# **APPLY for PATENT**

**Inventor (That's You!!!)**

\_\_\_\_\_ Class \_\_\_\_\_

## **WHAT YOU NEED TO DO:**

**Completely fill out this patent application.**

DUE: Friday, April 20, 2007

Inventor's Name \_\_\_\_\_

Name of Invention \_\_\_\_\_

Briefly describe your invention \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

How does your invention work and why is it helpful?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Who will use your invention?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PLEASE SUBMIT AN UPDATED DRAWING OF  
YOUR INVENTION WITH YOUR  
PATENT APPLICATION**

*-INNOVATION 2007-*

*Friday, May 11, 2007*

*"Necessity is the Mother of Inventions"*

**APPLY  
for  
PATENT**

**Inventor (That's You!!!)**

\_\_\_\_\_ Class \_\_\_\_\_

**WHAT YOU NEED TO DO:**

**Draw an updated version of your invention.**

DUE: Friday, April 20, 2007

**LOGO/TRADEMARK,**  
**NAME**

**Inventor (That's You!!!)**

\_\_\_\_\_ Class \_\_\_\_\_

**WHAT YOU NEED TO DO:**

**In the box below, design a logo/trademark that best  
represents your invention.**

DUE: Friday, April 20, 2007

NAME OF YOUR INVENTION

WHY DID YOU GIVE IT THE NAME YOU DID?



**MARKETING  
STRATEGY...**  
**"HOW WILL I SELL IT?"**

**Inventor (That's You!!!)**

Class \_\_\_\_\_

**WHAT YOU NEED TO DO:**  
**Develop a marketing strategy and the do it.**

DUE: Friday, April 20, 2007

Who will buy your invention?

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Why will they buy it?

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How will you advertise?

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**YES, YOU MUST DO THIS:**

After completing this form, do it. If you decide to advertise on the internet, what would your web page or ad look like. If you decide to advertise in a magazine, what magazine and what would the ad look like. If you were going to make a TV commercial, then do it...yes, actually write and film a 30 second commercial (use yourself, your family, even your friends as actors). If you were going to create a radio commercial, then actually do it.

Whatever you do, make it a part of your display for May 6, 2005.

## HANDING “STUFF” IN

..and remember...

“STUFF” is important in SCIENCE. The following assignments will be handed in:

- On time
- Complete
- With Grade Card Paper Clipped  
(I will Provide the Grade Card)

- **Inventor Snippet**
- **Invention Snippet**
- **Rube Goldberg-ism**
- **Invention Timeline**  
(one per person in group)
  - **The Surveys**
  - **Intent to Invent**
  - **Model/Diagram**
- **Application For Patent**
- **Logo/TradeMark/Name**
- **Marketing Strategy**

\*All grade cards are in this file for you to know exactly what I am grading you on...

**(DO NOT PRINT THESE GRADE CARDS)**

<b>“Inventor Snippet” Grade Card</b> <b>“Innovation 2007”</b>					
<u>Student Name</u> <hr style="width: 100%;"/>			<u>DUE DATE</u> <b>Thursday, September 28, 2007</b> <b>(OR EARLIER)</b>		
<b>C</b> ONTENT  <small>Information included is clear, well written and written in student's own words...not just copied and pasted from internet. Do you have "meat" to your writing? Is length appropriate (at least 2-3 paragraphs)?</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>R</b> ESEARCH  <small>Good details and information display good research completed. Did you attach your research information and notes. (PLEASE NOTE: Automatic "7", if this is not attached!!!!)</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>D</b> EGREE OF DIFFICULTY  <small>Selection of idea/topic and effort shows a challenge and desire to learn...not just "get by."</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>C</b> REATIVITY  <small>Creative display and imagination is evident as is the desire to show pride in your work. Is your presentation neat, unique and creative?</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>M</b> RS. LOOMIS STUFF  <small>Spelling, grammar, sentences, punctuation, etc...yes, actually use the stuff Mrs. Krantz and Mrs. Loomis teaches you in a real assignment... crazy idea, isn't it???</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>O</b> N TIME???  <small>Handed in on time?</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>
<b>O</b> VERALL SCORE AND GRADE  <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-right: 10px;"> <div style="text-align: center;">/</div> <div style="margin-left: 5px;">60</div> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-right: 10px;"> <div style="text-align: center;">%</div> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> </div> </div> </div>			<b>T</b> ALK TO ME...What do you say, Mr. A.?   <div style="text-align: right; font-size: small;">COMMENTS...IF ANY!!!</div>		

<b>“Invention Snippet” Grade Card</b> <b>“Innovation 2007”</b>					
<u>Student Name</u> <hr style="width: 100%;"/>			<u>DUE DATE</u> <b>Friday, October 18, 2006</b> <b>(OR EARLIER)</b>		
<b>C</b> ONTENT  <small>Information included is clear, well written and written in student's own words...not just copied and pasted from internet. Do you have "meat" to your writing? Is length appropriate (at least 2-3 paragraphs)?</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>R</b> ESEARCH  <small>Good details and information display good research completed. Did you attach your research information and notes. (PLEASE NOTE: Automatic "7", if this is not attached!!!!)</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>D</b> EGREE OF DIFFICULTY  <small>Selection of idea/topic and effort shows a challenge and desire to learn...not just "get by."</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>C</b> REATIVITY  <small>Creative display and imagination is evident as is the desire to show pride in your work. Is your presentation neat, unique and creative?</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>M</b> RS. LOOMIS STUFF  <small>Spelling, grammar, sentences, punctuation, etc...yes, actually use the stuff Mrs. Krantz and Mrs. Loomis teaches you in a real assignment... crazy idea, isn't it???</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>O</b> N TIME???  <small>Handed in on time?</small>  <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>
<b>O</b> VERALL SCORE AND GRADE  <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-right: 10px;"> <div style="text-align: center;">/</div> <div style="margin-left: 5px;">60</div> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin-right: 10px;"> <div style="text-align: center;">%</div> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> </div> </div> </div>			<b>T</b> ALK TO ME...What do you say, Mr. A.?   <div style="text-align: right; font-size: small;">COMMENTS...IF ANY!!!</div>		

<h2 style="margin: 0;">“Rube Goldberg-ism” Grade Card</h2> <h3 style="margin: 0;">“Innovation 2007”</h3>						
<u>Student Name</u> <hr style="width: 100%;"/>				<u>DUE DATE</u> <b>Thursday, November 9, 2006</b> <b>(OR EARLIER)</b>		
<b>C</b> ONTENT  <small>Information included is clear, well written and written in student's own words...not just copied and pasted from internet. Does your “Rube Goldberg-ism” contain at least 10-15 steps to solve a simple problem.</small>	<b>R</b> ESEARCH  <small>Good details and information display good research completed.</small>	<b>D</b> EGREE OF DIFFICULTY  <small>Selection of idea/topic and effort shows a challenge and desire to learn...not just “get by.”</small>	<b>C</b> REATIVITY  <small>Creative display and imagination is evident as is the desire to show pride in your work.. Is your presentation neat, unique and creative?</small>	<b>M</b> RS. LOOMIS STUFF  <small>Spelling, grammar, sentences, punctuation, etc...yes, actually use the stuff Mrs. Krantz and Mrs. Loomis teaches you in a real assignment... crazy idea, isn't it???</small>	<b>O</b> N TIME???  <small>Handed in on time?</small>	
1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	
<b>O</b> VERALL SCORE AND GRADE  <div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">/</div> <div style="margin-left: 5px;">60</div> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">%</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"></div> </div>			<b>T</b> ALK TO ME...What do you say, Mr. A?   <div style="text-align: right; font-size: small;">COMMENTS...IF ANY!!!</div>			

<h2 style="margin: 0;">“Invention Timeline” Grade Card</h2> <h3 style="margin: 0;">“Innovation 2007”</h3>						
<u>Student Name</u> <hr style="width: 100%;"/>				<u>DUE DATE</u> <b>Thursday, December 7, 2006</b> <b>(OR EARLIER)</b>		
<b>C</b> ONTENT  <small>Information included is clear, well written and written in student's own words...not just copied and pasted from internet. Do you have at least 10 inventions on your timeline?</small>	<b>R</b> ESEARCH  <small>Good details and information display good research completed. Are there many ideas presented in your timeline?</small>	<b>D</b> EGREE OF DIFFICULTY  <small>Selection of idea/topic and effort shows a challenge and desire to learn...not just “get by.”</small>	<b>C</b> REATIVITY  <small>Creative display and imagination is evident as is the desire to show pride in your work.. Is your presentation neat, unique and creative?</small>	<b>M</b> RS. LOOMIS STUFF  <small>Spelling, grammar, sentences, punctuation, etc...yes, actually use the stuff Mrs. Krantz and Mrs. Loomis teaches you in a real assignment... crazy idea, isn't it???</small>	<b>O</b> N TIME???  <small>Handed in on time?</small>	
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<h2 style="margin: 0;">“The Surveys” Grade Card</h2> <h3 style="margin: 0;">“Innovation 2007”</h3>					
<u>Student Name</u> <hr style="width: 100%;"/>			<u>DUE DATE</u> <b>Friday, January 26, 2007</b> <b>(OR EARLIER)</b>		
<b>C</b> ONTENT <small>Information included is clear, well written and written in student's own words, not just copied and pasted from internet. Do you have at least four completed surveys? AUTOMATIC “C” ON THIS ENTIRE ASSIGNMENT IF DIRECTIONS ARE NOT FOLLOWED!!!</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>R</b> ESEARCH <small>Good details and information display good research/ interviews completed.</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>D</b> EGREE OF DIFFICULTY <small>Selection of people and effort shows a challenge and desire to learn...not just “get by.”</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>C</b> REATIVITY <small>Creative display and imagination is evident as is the desire to show pride in your work.. Is your presentation neat, unique and creative?</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>M</b> RS. LOOMIS STUFF <small>Spelling, grammar, sentences, punctuation, etc...yes, actually use the stuff Mrs. Krantz and Mrs. Loomis teaches you in a real assignment... crazy idea, isn't it???</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>O</b> N TIME??? <small>Handed in on time?</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>
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<h2 style="margin: 0;">“Intent to Invent” Grade Card</h2> <h3 style="margin: 0;">“Innovation 2007”</h3>					
<u>Student Name</u> <hr style="width: 100%;"/>			<u>DUE DATE</u> <b>Friday, March 9, 2007</b> <b>(OR EARLIER)</b>		
<b>C</b> ONTENT <small>Information included is clear, well written and written in student's own words. Is your “Intent to Invent” completely filled out?</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>R</b> ESEARCH <small>Good details and information about your description and steps.</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>D</b> EGREE OF DIFFICULTY <small>A good presentation shows pride in work and a desire to fill out the “Intent to Invent” in a complete manner.</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>C</b> REATIVITY <small>Neat and Complete?</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>M</b> RS. LOOMIS STUFF <small>Spelling, grammar, sentences, punctuation, etc...yes, actually use the stuff Mrs. Krantz and Mrs. Loomis teaches you in a real assignment... crazy idea, isn't it???</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>O</b> N TIME??? <small>Handed in on time?</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>
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## “Model/Diagram” Grade Card “Innovation 2007”

<u>Student Name</u>					<u>DUE DATE</u> <b>Friday, March 9, 2007</b> (OR EARLIER)				
<b>C</b> ONTENT  <small>Information included is clear, well written/drawn and written/drawn in student's own words/art work. Does your drawing or model completely show your invention?</small>	<b>R</b> ESEARCH  <small>Good details and information shows good research on your own invention.</small>	<b>D</b> EGREE OF DIFFICULTY  <small>A good presentation shows pride in work and a desire to work hard on your model/diagram.</small>	<b>C</b> REATIVITY  <small>Creative display and imagination is evident as is the desire to show pride in your work.. Is your presentation neat, unique and creative?</small>	<b>M</b> RS. LOOMIS STUFF  <small>Spelling, grammar, sentences, punctuation, etc...yes, actually use the stuff Mrs. Krantz and Mrs. Loomis teaches you in a real assignment... crazy idea, isn't it???</small>	<small>Handed in on time?</small>				
1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10				
<b>O</b> VERALL SCORE AND GRADE  <div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">/60</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;">%</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px;"></div> </div>			<b>T</b> ALK TO ME...What do you say, Mr. A.?   <div style="text-align: right; font-size: small;">COMMENTS...IF ANY!!!</div>						

## “Application for Patent” Grade Card “Innovation 2007”

<u>Student Name</u>					<u>DUE DATE</u> <b>Friday, April 20, 2007</b> (OR EARLIER)				
<b>C</b> ONTENT  <small>Information included is clear, well written and written in student's own words. Is your "Application" completely filled out?</small>	<b>R</b> ESEARCH  <small>Good details and information about your description and steps.</small>	<b>D</b> EGREE OF DIFFICULTY  <small>A good presentation shows pride in work and a desire to fill out the "Intent to Invent" in a complete manner. <b>UPDATED DRAWING</b> : Have you submitted an updated and neat drawing or photograph of your invention?</small>	<b>C</b> REATIVITY  <small>Neat and Complete?</small>	<b>M</b> RS. LOOMIS STUFF  <small>Spelling, grammar, sentences, punctuation, etc...yes, actually use the stuff Mrs. Krantz and Mrs. Loomis teaches you in a real assignment... crazy idea, isn't it???</small>	<b>O</b> N TIME???  <small>Handed in on time?</small>				
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## “Logo/Trademark/Name” Grade Card “Innovation 2007”

<u>Student Name</u> _____					<u>DUE DATE</u> <b>Friday, April 20, 2007</b> (OR EARLIER)				
<b>C</b> ONTENT  <small>Information included is clear, well written and written in student's own words. <b>NAME</b> and <b>REASON</b>: Did you name your invention and is the reason unique? <b>LOGO</b>: Is your logo/trademark unique to your product?</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>R</b> ESEARCH  <small>Good details and information about your logo/trademark/name. Maybe you research reasons companies created their logo/trademark/name. Reasoning is good for your logo/trademark/name.</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>D</b> EGREE OF DIFFICULTY  <small>A good presentation shows pride in work and a desire to fill out the "Logo/Trademark/Name" in a complete manner. <b>YOUR REASON</b>: Do you have a reason for naming your invention whatever you named it?</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>C</b> REATIVITY  <small>Creative display and imagination is evident as is the desire to show pride in your work.. Is your presentation neat, unique and creative?</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>M</b> RS. LOOMIS STUFF  <small>Spelling, grammar, sentences, punctuation, etc...yes, actually use the stuff Mrs. Krantz and Mrs. Loomis teaches you in a real assignment... crazy idea, isn't it???</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<div style="text-align: center; padding-top: 20px;">             Handed in on time?   <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div> </div>				
<b>O</b> VERALL SCORE AND GRADE <div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; border-radius: 50%; width: 50px; height: 50px; display: flex; align-items: center; justify-content: center;"> <div style="transform: rotate(45deg); width: 10px; height: 10px; background: black;"></div> <div style="margin: 0 5px;">60</div> </div> <div style="border: 1px solid black; border-radius: 50%; width: 50px; height: 50px; display: flex; align-items: center; justify-content: center;">%</div> <div style="border: 1px solid black; border-radius: 50%; width: 50px; height: 50px; display: flex; align-items: center; justify-content: center;"></div> </div>					<b>T</b> ALK TO ME...What do you say, Mr. A?   <div style="text-align: right; font-size: small;">COMMENTS...IF ANY!!!</div>				

## “Marketing Strategy-How Will I Sell It?” Grade Card “Innovation 2007”

<u>Student Name</u> _____					<u>DUE DATE</u> <b>Friday, April 20, 2007</b> (OR EARLIER)				
<b>C</b> ONTENT  <small>Information included is clear, well written and written in student's own words. <b>YOUR CLIENTS</b> Did you state who will use your invention? <b>YOUR REASON</b>: Does your reason they will buy it make sense? <b>YOUR AD</b>: Is your method of advertising good for your clients?</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>R</b> ESEARCH  <small>Good details and information about your marketing strategy. Maybe you research reasons companies created their marketing strategy. Reasoning is good for your marketing strategy</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>D</b> EGREE OF DIFFICULTY  <small>A good presentation shows pride in work and a desire to fill out the "Marketing Strategy" in a complete manner. <b>YOUR REASON</b>: Do you have a reason for your marketing strategy and the clients you will try to "sell" your invention to?</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>C</b> REATIVITY  <small>Creative display and imagination is evident as is the desire to show pride in your work.. Is your presentation neat, unique and creative?</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>M</b> RS. LOOMIS STUFF  <small>Spelling, grammar, sentences, punctuation, etc...yes, actually use the stuff Mrs. Krantz and Mrs. Loomis teaches you in a real assignment... crazy idea, isn't it???</small> <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div>	<b>O</b> N TIME???  <div style="text-align: center; padding-top: 20px;">             Handed in on time?   <div style="display: flex; justify-content: space-between;"> <div>1 2 3 4 5</div> <div>6 7 8 9 10</div> </div> </div>				
<b>O</b> VERALL SCORE AND GRADE <div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; border-radius: 50%; width: 50px; height: 50px; display: flex; align-items: center; justify-content: center;"> <div style="transform: rotate(45deg); width: 10px; height: 10px; background: black;"></div> <div style="margin: 0 5px;">60</div> </div> <div style="border: 1px solid black; border-radius: 50%; width: 50px; height: 50px; display: flex; align-items: center; justify-content: center;">%</div> <div style="border: 1px solid black; border-radius: 50%; width: 50px; height: 50px; display: flex; align-items: center; justify-content: center;"></div> </div>					<b>T</b> ALK TO ME...What do you say, Mr. A?   <div style="text-align: right; font-size: small;">COMMENTS...IF ANY!!!</div>				

**-INNOVATION 2007-**  
**Friday, May 11, 2007**  
**“Necessity is the Mother of Inventions”**