

# Launch-IT

Mars Rovers Team

6<sup>th</sup> and 7<sup>th</sup> graders

For the Closing Exploding

May 10, 2008

# Activities for '07-'08

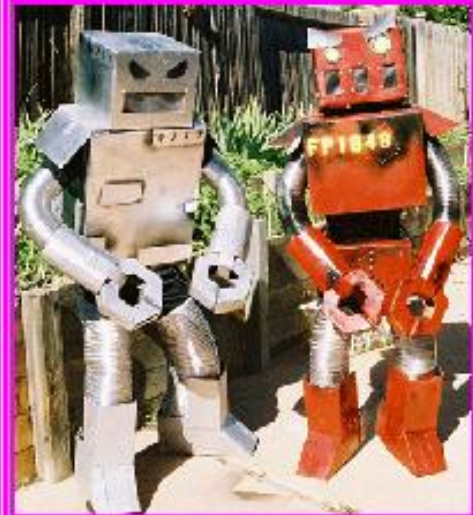
- Robotics
  - ER 1
  - Mars Rovers Simulator
- Rockets
  - 1-2-3-pop
  - Egg drop
- Soldering
- Bridge building
- Human golf
- Web page design
- Presentations
- Paper airplane
- Math 24

# ER1

## The ER1 Robot

We learned how to use ER1 robots by typing commands into them. We made them talk, and the teachers provided us with tasks for the robots which I completed. It was an awesome experience.

By: Chaz Orlena



# Mars



# Web Design (a sample student page)

ER1 - Windows Internet Explorer

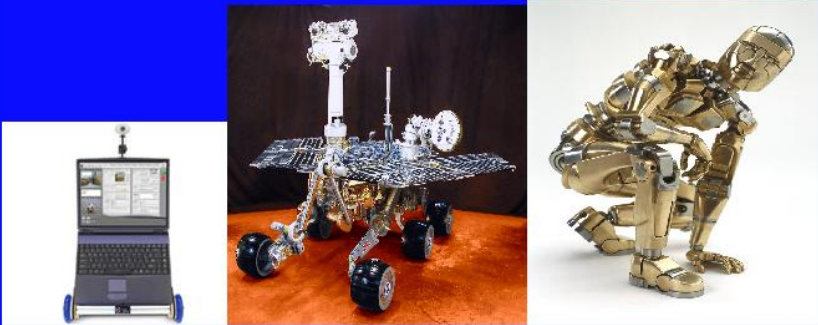
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Google

Launch IT

>Robots<  
Robotics  
ER 1  
Mars  
Simulator

The ER1 robot is controlled by a computer. They can make sounds and move from place to place. For that to happen you have to type in a comand and it will listen to it. It talks too.



(1 item remaining) Downloading picture <http://www.masterpiecemodels.com/images/MarsRover2.jpg...> My Computer 100%

# Soldering

*~\*\*\*\* What did I like the BEST... at Launch-IT???!!\*\*\*\*~*



*My favorite activity that I did at Launch-IT was ...Soldering!*

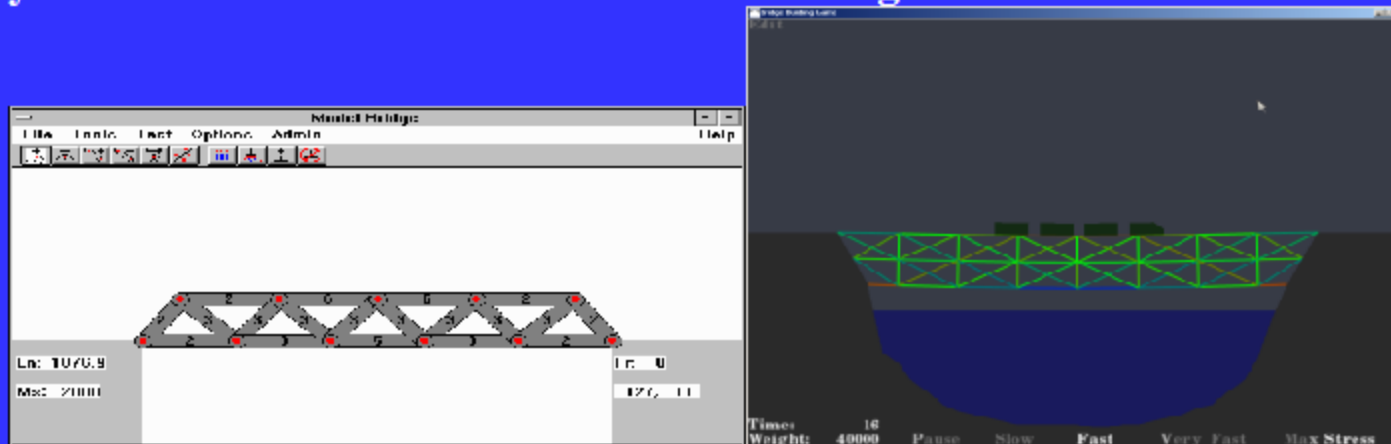
*For Soldering, my partner was Kiara, and we had a blast and learned a lot from our teachers.*

*When we soldered, we worked with the the soldering iron and 2 wires. a*

# Bridge Building (West Point Bridge Design)

## Bridge Building

the bridge building is a fun and cool program. What you do is you choose the kind of bridge you want to build. Then you start to build your bridge and if you build it right the truck will pass through the bridge without falling off. While you are building your bridge if there's a part that isn't sturdy it will show you and you will have to fix that part of the bridge so that the truck can pass through safely. Also if you don't build your bridge right you can go back and fix it or you can start all over and build a new bridge.



# Bridge Building

PICTURES



WEST POINT BRIDGE  
DESIGNER

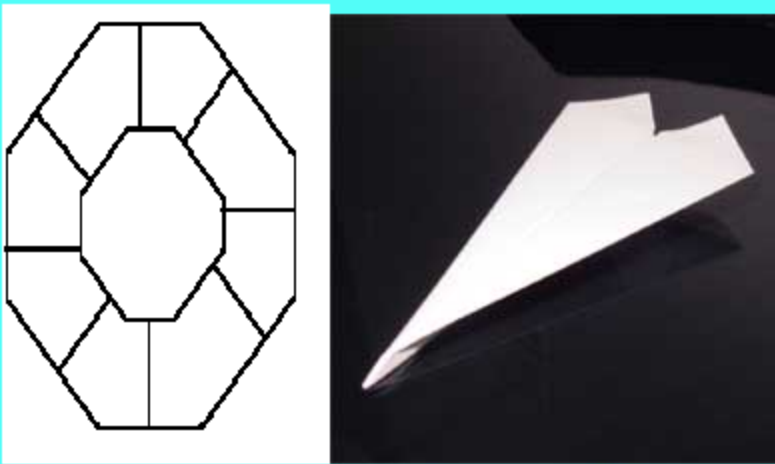


PICTURES



# Paper Airplanes

**Launch-IT**



## **Paper airplane**

I like doing paper airplanes now because we did test to see how far they can fly a distance. Chris and I made a paper frisbee and paper dart airplane. And then we made two more out of construction

# Rockets



*My favorite thing about the Launch-IT summer session was the Rockets and the Marble Run*

## !!Rockets!!

In the summer session and fall session, we made paper rockets with foam glasses. The foam glasses represented our cargo such as food and water. We used a film canister, paper, and tape. We had to fill the film canister with alka-seltzer and water. We made sure we were in an open area that way we wouldn't hurt no one or anything. We had a contest to see who would get there rocket the highest. It was really fun!

## !!Marble Run!!

# Egg Drop

## EGG DROP



My favorite activity was the "Egg Drop". The egg drop was an activity where they gave us certain materials to shield the egg in. The materials that they gave us were:

1. one balloon
2. a plastic bag
3. Some string
4. construction paper
5. unlimited tape
6. one ziploc bag

We had to make a haven for the egg using all those things. Then we had to drop the eggs from a certain place and whoever's egg didn't

# ER1



# Robots



## Robots

Robots are our future, unless they take over the world!!Ha Ha Ha!!!

Robots are machines that can perform various tasks. They can do either simple or complex jobs. Some robots are operated by remote control while others are programmed.

At Launch-IT we used ERI robots. These robots were made of laptops, wheels, and a built-in camera. We typed commands into the laptop so it could know where to go and what to do. We had a contest to see who could hit the target first using the least number of commands. We could also program the robot to see using the camera. We also made it talk by typing words.

The robots were a little difficult to control but it was fun using them.