Instructor: Angela Harrigan (2002 Science Teacher Workshop participant)
School: Our Lady of Mercy, Jersey City, NJ

Lesson Title: Ionizing Facts

Grades: 6,7,8

Subject: Science

Objectives: To create a book which will identify the various types of ionizing particles. Students should be able to list a few facts for each type.

Materials & Resources:
- Construction paper
- Yarn or fasteners
- Scissors
- Glue
- Pencil
- Pen
- Markers or crayons
Sample book:

**AN INTERVIEW WITH**

**GAMMA, BETA, ALPHA, AND NEUTRON**

Hi, I'm Beta Boy. I am made from a stream of electrons. I like to travel fast too, but not as fast as Gamma Girl. I can travel through a barrier made of lead or very thick cement. Unlike the rest, I am a ray.

Alfred Alpha here. I'm a bit heavier than the rest of the gang. I'm a fast traveler, but I usually don't get to my destination. You see, most things are able to stop me in my travels, but if you give me the chance, I can travel through your skin and cause some serious trouble.

I'm Neely Neutron. If you want to find me, try looking in a power plant. That's where I spend most of my time. I create a lot of energy and pass through you more than Gamma Gal or Beta Boy.

I'm Gamma Gal. I like to travel very fast. I can travel through almost anything if you want to stop me put up a barrier made of lead or very thick cement. Unlike the rest, I am a ray.