

Instructor: Melody Go (2003 Science Teacher workshop participant) School District: Ridgefield Park Lesson Title: What is Nuclear Energy? Grade: 8

Subject: Science

Overview: You are an author trying to increase the popularity of your children's reference book series. To do this your publisher has indicated that there are entirely too few science books written specifically for children on the topic of nuclear energy. Your publisher wants you and your writer friends to write a series of books on nuclear energy that will include all of the basic information about nuclear energy while making the elements appeal to a younger audience.

Objectives:

- 1. Students will write a series of books on nuclear energy that will include its relevant information while making nuclear energy appeal to a younger audience.
- 2. Students will expand their vocabulary of nuclear energy or a similar topic.
- 3. Students will practice their research and writing skills, as well as their public speaking.

Materials and Resources:

- Textbook
- Construction paper
- Glue
- Scissors
- Crayons
- Markers
- Stapler
- Internet access



Process:

Write a children's book appropriate for a third or fourth grade child on the topic of nuclear energy or a similar topic that you are assigned.

1. The format of your book should include:

- <u>Cover:</u> the book's cover should have the name of topic, your name and class.
- <u>Table of Contents:</u> one or two pages long and listing the interesting things you've put in your book.
- <u>Basic Information</u>: Mention- nuclear energy, atom, energy or any other relevant information (5 or more pages).
- <u>Also include</u>- Pictures and pages numbered.

2. Make a list of everything you need to know about your topic. Use the checklist as you construct your book.

3. Points will be taken off for missed information.

4. Take a look at the grading rubric that is included so you have an idea of what you should include in your checklist.

5. Be creative! Maybe you'd like to include a poem, rhyme or song using key words.

6. You will present your book on the date due. So practice at home.

ADVICE:

Be sure your project is:

- **<u>Accurate</u>**: Now is not the time to make up things! Creativity is appreciated, but you will lose points supplying incorrect information in an attempt at levity.
- **<u>Neatly done</u>**: It doesn't need to be done on the computer, but hand written books need to be written neatly with clear printing. White out is a bad thing. If you make a mistake on a page, start over!
- **Correctly spelled**: One point will be deducted per misspelled word. If you are not sure about the spelling, look it up, or use spell check.
- **Done to specifications**: The finished size should be at least 8.5" X 11", this is the size of standard paper.
- **Colorful:** But not too distracting.
- **On time:** There will be a full letter grade taken off each day late.

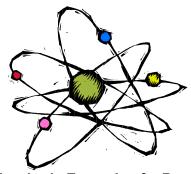
EVALUATION:

Check off here	Points	Topic in your book
	5	Name of your topic on your cover.
	5	Your name on the cover.
	5	Your class and class period on the cover.
	5	Table of content.
	5	Relevant information: mentioned- nuclear
		energy, atom, energy.
	5	At least 5 pages.
	5	Pictures.
	5	Pages numbered.
	5	Accurate.
	5	Neat.
	5	Correct spelling.
	5	Correct size paper- 8.5" X 11".
	5	Colorful.
	5	On time.

30	Presentation.
	Total Points / Grade

Student Name: _____

Period: _____



Teacher's Example of a Book:

