

A small brown bird is perched on a thin branch in the lower right quadrant of the image. The background is a soft-focus scene of bare, light-colored tree branches. In the upper left, a catkin hangs from a branch. The overall color palette is muted, consisting of various shades of brown, tan, and grey.

The Neo-Geo Company Simulation

Brian Crane

Vermont Fish and Wildlife Department
Teachers Course 2005

Re: Simulation Overview and Rationale



Dear reader,

The purpose of this introduction is to give an understanding of the simulation. I was inspired at a class put on by the State of Vermont Fish and Game Department during a fun and outrageous activity. I wanted to simulate that experience (minus the craziness) in my classroom in a way that would be fun but also meet curriculum standards.

The simulation is based on the premise that a company wants to build a factory in your Backyard (in this case Concord, VT). The decision has to go to a board. The students are assigned roles and given a description and requirements that are provided in this simulation. Everyone has a different job to do and a different product to make. Students will use several skills to convey their point in a simulated board official meeting. At the end a decision will be made and a verdict will be revealed!

The simulation is designed to meet those standards as well as give students a chance to shine using their abilities. It will be up to the teacher to make sure that proper roles are chosen and that the board makes a plan that make the hearing successful. It is crucial to its success.

I expect that this will be an enduring educational experience for all and I suggest all try it and tweak it to your needs. Good luck and good reading.

Brian Crane

The Neo-Geo Company Simulation



By Brian Crane

Grades: 6-8 Science and Social Studies

Essential Question: What cultural influences affect how we manage our natural resources?

Objectives:

- *Students will use ecological information to make informed decisions.
- * Students will understand cause and effect relationships concerning development and ecological impact
- *Students will practice good citizenship through a simulated public forum

Vermont's Framework of Standards Identify

1.11 Students use verbal and nonverbal skills to express themselves effectively.

7.15 Analyze and explain natural resource management and demonstrate an understanding of the ecological interactions and interdependence between humans and their resource demands on environmental systems (e.g., waste disposal, energy resources, recycling, pollution reduction)

4.6 Students demonstrate understanding of the relationship between their local environment and community heritage and how each shapes their lives

Materials: digital projector, computer, easel paper, markers, over head projector, markers, prepared role packets, props (as requested by students), worksheets, ecological attitude survey.

Timeline: (overall five 90 minute blocks)

1. Simulation introduction and Moose River Study Review, Role introduction and application. (90 minutes)
2. Research and Rough Draft (90 minutes)
3. Final Draft and Rehearsal (90 minutes)
4. Public Hearing and press conference. (90 minutes)
5. Committee decision presentation, newspaper presentation, final reflection. Video viewing optional. (90 minutes)

Procedures:

1. Introduction

The teacher will introduce the simulation by first reviewing the facts of the previous river study. The teacher will show the slides taken of the final field study. The teacher will then introduce the simulation. He /she will read the proposal/Letter from the NEO-GEO Company to the class. The class will then brainstorm the possible pro's and con's of the proposal. Teacher will have a graphic organizer prepared. The teacher will then hand out an ecological study survey. The survey will be used to help decide how to give student roles. (it does not determine it though).

The teacher will give an overview of the simulation and a timeline. He/She will also give a description of all the roles. Roles will be assigned next block.

30 minutes review or river study

30 minutes proposal and pro's and con's graphic organizer

30 minutes ecological survey and simulation logistic overview

2. Purchases, Research, and material acquisition:

During this block roles will be assigned. The teacher will assign roles using differentiated instruction in mind. Give a child a role based on skills and interests. They will need time to review their roles and ask questions. The role packet has many pieces. It may be a good idea for everyone to read their role overview out loud to let the class know who else they are dealing with.

During this class the student(s) will be expected to complete parts I and II of their packet. They will also need to tell what they would like for materials.

10 minute discussion on the group's role in real legislation

30 Minutes role dissemination and review

40 Minutes Part I and II

10 Minutes Class review and "how are we doing" mid-reflection

3. Final Draft and Rehearsal

Students will begin part III and their final drafts of their individual roles. They may need technical assistance and materials. The teacher should have this prepared. The teacher should remind the students that this will be filmed by the media. (if your materials allow)

10 Minutes. Discussion about the government agencies involved. (focus on Fish and Game and act 250)

40 minutes to finalize their projects

20 minutes for final discussion and the rules of the meeting (to be given by the development committee as they decide the rules of the committee)

4. The public hearing and press conference

This is the event they have all been waiting for. The committee should have set the rules and the format with the approval of the teacher. The teacher will monitor but try not to intervene. The press secretary will run the video if possible.

10 minutes setup

60 minutes Forum

20 minutes Committee deliberation. (The rest of the class will work on Part IV)

The committee will give their votes to the chair to be counted by the teacher.

5. Committee decision presentation, newspaper presentation, final reflection. Video viewing optional

The teacher will give the decision to the chair. The chair will then read the decision. The board will then give a statement about their vote. The press secretary will then give their newspaper front page project. They will have to do two and present the correct one. The class will then do their final statement of learning (part V)

Evaluation and Assessment:

The simulation will be evaluated on a rubric. An overall letter grade has to be determined to obtain a numeric grade for the computer grading system we all use now. This is derived as a percentage of points from the rubric.

1. Does not meet Standard
2. Working toward standard
3. Meets standard
4. Exceeds Standard
5. Out of this WORLD!

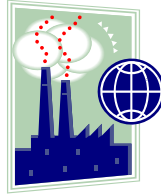
In the following categories

Simulation Participation

Simulation Packet Product

Simulation Reflection

NEO-GEO INC.
45673 Broadway
New York, NY 00234
USA



Re: Mublette plant, Concord VT

Dear Residents and Concerned Citizens,

The Neo-Geo Corporation, the world's premier producer of "Flying Mublettes", has recently purchased a 10 acre plot of land in your fine community. It is our intention to build a manufacturing plant to produce our fine line of unchewable dog Frisbees. We intend to create jobs and increase the standard of living for all in your town. We will also provide money to increase housing and pave the way for retailers (such as Wal-Mart) to further better the lives of the community. We only need the approval of your 5 member local development board to make our final application to the state of Vermont to begin construction. We trust that the board will see the benefits to the community and therefore vote in favor of the construction. We thank you for giving this matter your immediate attention.

Mr. Brine Cranstoneium

President, CEO

Role overviews:

Chairman (1)
Board Members (4)
Neo Geo Representatives (1 or 2)
Vermont Fish and Wildlife (1 or 2)
State Legislator (1)
Concord Chamber of Commerce (1)
Concerned citizen (2 or more)
Hunter (1)
Angler (1)
CBS (1)
Green Peace (1)
Farmer (1)
Restaurant owner (1)

*these numbers are flexible based on the size and needs of the classroom

Possible Reports to Buy

Vermont Chemical Test of the Moose River 1992 \$1000

Vermont Trout Study: Moose River 1982-2000 \$500

Vermont Economic Forecast Study \$2,000

“Flying Mublette” Stock Forecast \$1,000

Private Chemical Test Study on Neo Geo Plant in Atlanta, GA \$2,000

*More can be added based on the availability of data and the needs of the class

Role Worksheet



Role Title: **Chairperson of the Local Development Board (1)**

Name: _____

Money: 0

Character Background: You are a responsible well liked member of the community. You are a retired town manager. You are a true leader that has an open mind and is very fair. You are known to listen to all sides and decide fairly.

Your role: You have been voted as chairperson by the town of concord. This means the people trust you to make a good decision by listening to all information. You have the added duty of being responsible for the board members. You must direct them to following the rules and you must report everything to the public. You have one of the most important roles in the simulation. You will also have to divide out the work evenly.

- *To be leader of the board and develop the public hearing format and rules
- *To vote as a board member
- *To deliver the boards final verdict to the audience

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II- Pre-hearing product.

- A **written outline** of the structure and rules of the hearing
- A **Visual representation** of the order and rules for all to see (poster)

More Information: Your first task is to write a rough draft that outlines the structure of the meeting, the order of presenters, rules, time restraints, and a way for citizens to ask questions. Using the following guiding questions:

Who will start the meeting?

How long will each participant get to speak? Who will time them?

What happens when you or someone else has a question for the speaker?

How will you get peoples attention?

How will you vote?

YOU MUST PRESENT YOUR IDEA TO THE TEACHER BEFORE YOU BEGIN YOUR FINAL DRAFT. YOU WILL ONLY HAVE A HALF HOUR TO MAKE A PLAN. THIS IS VERY IMPORTANT AND MUST BE QUALITY WORK.

III.-Post hearing-you will not be responsible for this worksheet as you will be determining a verdict.

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Member of the Local Development Board: Time Keeper**

Name: _____

Money: None

Character Background: You are respected member of the community. You are known as a fair-minded person and will keep an open mind to what is said at the meeting.

Your role:

- *To Develop the format and rules of the public hearing
- *To keep time of the speakers
- *To vote on the board to give the final decision

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II- Pre-hearing product.

- A **written outline** of the structure and rules of the hearing
- A **Visual representation** of the order and rules for all to see (poster)

More Information: Your first task is to write a rough draft that outlines the structure of the meeting, the order of presenters, rules, time restraints, and a way for citizens to ask questions. Using the following guiding questions:

Who will start the meeting?

How long will each participant get to speak? Who will time them?

What happens when you or someone else has a question for the speaker?

How will you get peoples attention?

How will you vote?

III.- Post hearing-you will **not be responsible** for this worksheet as you will be determining a verdict.

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Member of the Local Development Board: Public Interest Analyst**

Name: _____

Money: None

Character Background: You are respected member of the community. You are known as a fair-minded person and will keep an open mind to what is said at the meeting.

Your role:

- *To Develop the format and rules of the public hearing
- *To maintain a pro/con diagram of every speaker
- *To vote on the board to give the final decision

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II- Pre-hearing product.

- A **written outline** of the structure and rules of the hearing
- A **Visual representation** of the order and rules for all to see (poster)

More Information: Your first task is to write a rough draft that outlines the structure of the meeting, the order of presenters, rules, time restraints, and a way for citizens to ask questions. Using the following guiding questions:

Who will start the meeting?

How long will each participant get to speak? Who will time them?

What happens when you or someone else has a question for the speaker?

How will you get peoples attention?

How will you vote?

III.- Post hearing-you will not be responsible for this worksheet as you will be determining a verdict.

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Member of the Local Development Board: Secretary**

Name: _____

Money: None

Character Background: You are respected member of the community. You are known as a fair-minded person and will keep an open mind to what is said at the meeting.

Your role: *To Develop the format and rules of the public hearing
*To make 2 notes for every speaker
*To vote on the board to give the final decision

What You Need To Do

I- Intro: Fill out Role Questionnaire (everyone)

II- Pre-hearing product.

- A **written outline** of the structure and rules of the hearing
- A **Visual representation** of the order and rules for all to see (poster)

More Information: Your first task is to write a rough draft that outlines the structure of the meeting, the order of presenters, rules, time restraints, and a way for citizens to ask questions. Using the following guiding questions:

Who will start the meeting?

How long will each participant get to speak? Who will time them?

What happens when you or someone else has a question for the speaker?

How will you get peoples attention?

How will you vote?

III.- Post hearing-you will not be responsible for this worksheet as you will be determining a verdict.

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Member of the Local Development Board: Data Analyst**

Name: _____

Money: None

Character Background: You are respected member of the community. You are known as a fair-minded person and will keep an open mind to what is said at the meeting.

Your role:

- *To Develop the format and rules of the public hearing
- *To make 2-3 notes for every graph that is presented
- *To vote on the board to give the final decision

What You Need To Do

I- Intro: Fill out Role Questionnaire (everyone)

II- Pre-hearing product.

- A **written outline** of the structure and rules of the hearing
- A **Visual representation** of the order and rules for all to see (poster)

More Information: Your first task is to write a rough draft that outlines the structure of the meeting, the order of presenters, rules, time restraints, and a way for citizens to ask questions. Using the following guiding questions:

Who will start the meeting?

How long will each participant get to speak? Who will time them?

What happens when you or someone else has a question for the speaker?

How will you get peoples attention?

How will you vote?

III.- Post hearing-you will not be responsible for this worksheet as you will be determining a verdict.

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Neo Geo Representatives (2-team)**

Name: _____

Purchase Power: \$3000

Character Background: You are in the upper management of the Neo-Geo Company. You enjoy a very high salary and a very good raise if you win this case. All you care about is getting the development board to approve the project.

Your role:

*to Present the board with a strong argument for the company

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II-pre-hearing product.

- A written 2 paragraph **statement** of your proposal
- A **graph** that supports your case
- A **visual representation** of Concord with the factory in place and full production.

III.- Post Hearing Worksheet (everyone except board)

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Vermont Fish and Wildlife Department (2-team)**

Name: _____

Purchase Power: \$500 (small budget!)

Character Background: You work in the interest of the fish and game department. You want to maintain a balance between humans and the environment. Your main concern is the health of the HABITAT that would be affected by

Your role: *To present an argument in favor of protecting the fish habitat of the Moose River. (However you think that would be done)

*You must include one graph to present your argument.

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II- Pre-hearing product.

- A 1 to 2 paragraph **Statement**.
- A Large **Graph** to support your argument

III- Post Hearing Worksheet (everyone except board)

IV- Reflection and self assessment (everyone)

Role Worksheet



Role Title: **State Legislature (1 or 2-different parties)**

Name: _____

Purchase Power: \$1000

Character Background: You are a local senator in the Vermont State legislature. Your only concern is getting reelected this fall. You must choose your platform on this issue in a way that would win you the most support. If the board votes the way the you stood on the issue you will be reelected and you can assume that you were successful.

Your role: *To present an argument that strongly supports the platform you have chosen
* You may use a graph and data to support your cause

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II-pre-hearing product.

- A one paragraph **platform statement**
- A **campaign poster** that shows your “strong” belief.

III.- Post Hearing Worksheet (everyone except board)

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Hunter (1)**

Name: _____

Purchase Power: \$1000

Character Background: You represent the BUCKS-R-BOUNTIFUL CLUB. You are also a serious Deer Hunter. Your organization would be in favor as long as any deer populations and habitat are not going to be affected. You are concerned about human population increase would mean less deer. Also, you need to know if the company will buy land and then post it for hunting.

Your role:

- *To make a statement to NEO-GEO about your concerns.
- *You will have to ask them 2-3 questions regarding your issue at the appropriate time

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II- Pre-hearing product.

- A **statement** saying who you are and your organization. You will also have to state why deer hunting is important to the community and to the deer themselves.
- One **Poster** showing deer habitat. This will support your argument that deer habitat must be maintained in order to protect the herd.

III.- Post Hearing Worksheet (everyone except board)

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Angler (1)**

Name: _____

Purchase Power: \$1000

Character Background: You are an expert angler and president of the TROUT-IS-TASTY Club. You care deeply for the health of the river. You want nothing more than to continue fishing every year. You must get to the bottom of the hearing and make sure the proposed company will not negatively affect the river.

Your role:

* To make a statement to NEO-GEO, INC stating who you are and your concerns for the river.

*To ask 2-3 questions to NEO-GEO, INC

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II-pre-hearing product.

- A **statement** saying who you are and your organization
- One drawn **map** of the Moose river through Concord showing where you will be most concerned (i.e. the best fishing spots)

III.- Post Hearing Worksheet (everyone except board)

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Restaurant Owner (1)**

Name: _____

Purchase Power: \$2000

Character Background: You are the owner of a local restaurant. You are excited at the new prospect of more people eating at your establishment. A factory would bring in more money. You support the NEO-GEO company's efforts as it will help you in the future.

Your role:

*To provide an argument to support the NEO-GEO company by stating how it will help you and your business.

*To ask 1 or 2 questions to NEO-GEO company

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II- Pre-hearing product.

- A **statement** saying who you are and your position
- A large **graph** that would support the NEO-GEO company's proposal

III.- Post Hearing Worksheet (everyone except board)

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: CBS/NBC News **(1 or 2)**

Name: _____

Purchase Power: 0

Character Background: You are a reporter working for the local network. You don't really care about the decision but you need to report it fairly. You do not directly take part in the hearing but you still have an important role.

Your role:

- * To report to the public what happens in the meeting.
- * To help run the video equipment if it is being used

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II-pre-hearing product.

- You will need to create **2 front page reports**. One for each verdict. You present the correct one to the class at the end of the simulation. You also have to write a one *paragraph* introduction to the article that would go with your *headlines and cover picture*.

III.- Post Hearing Worksheet (everyone except board)

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Green Peace (1 or 2)**

Name: _____

Purchase Power: \$2000

Character Background: You are a strict environmentalists. You believe that companies are bad and often pollute rivers. You wish to stop the NEO-GEO company from building and possibly destroying Concord's beautiful surroundings.

Your role:

- *To provide arguments against the NEO-GEO company
- *You will ask them 2-3 hard questions

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II- Pre-hearing product.

- A **statement** saying who you are and your organization
- A **Poster** showing what concord would look like after NEO-GEO company moves in

III.- Post Hearing Worksheet (everyone except board)

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Farmer (1 or 2)**

Name: _____

Purchase Power: \$1000

Character Background: You are a dairy farmer descended from the original settlers. You are not sure what to think of this. You are extremely cautious of change and don't want to move too fast. You are concerned that the factory would bring people who would put pressure on the farmers to sell their family land. This is something you do not want to consider.

Your role:

*To describe the importance of family farms in Vermont and the need for Vermont not to change too fast.

*To ask questions to the NEO-GEO company that would ask about its affect on farmers and the land issues.

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

II- Pre-hearing product.

- A **statement** that says who you are and what you believe
- A **Poster** that shows a traditional family farm with a statement about how it must not change

III.- Post Hearing Worksheet (everyone except board)

IV-Reflection and self assessment (everyone)

Role Worksheet



Role Title: **Local Retailer (1)**

Name: _____

Purchase Power: \$1000

Character Background: You own a local market and are concerned about the changes that the factory would bring. You are excited to have more people to shop at your store. You are not excited to hear the company say that they would like to develop big stores to compete with yours.

Your role:

*To give a statement based on a retail business perspective and that you would support them if they do not encourage Wal-Mart to move in to the area.

*Ask 2-3 questions of the NEO-GEO company

What You Need To Do

I- Intro Fill out Role Questionnaire (everyone)

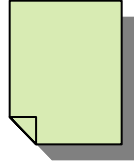
II- Pre-hearing product

- A **statement** that says who you are and what you believe
- An **advertisement** that could be run by the company to help your business if you give support to their cause. This could be a *song or a billboard* that would advertise your store or products.

III.- Post Hearing Worksheet (everyone except board)

IV-Reflection and self assessment (everyone)

Buying Power Report



Report Title: Vermont Chemical Test

By: Ver-Enviro-mont, INC

Date: June 3, 2000

Cost: \$1000

Report Summary: This study found the Moose River to be in moderate health. They found healthy amounts of Dissolved Oxygen, a healthy temperature for a cold water river, salt, and nitrogen in the water. They found unnatural amounts of Phosphates in the river. They found traces of lead and ammonia, but not enough to affect the health of the river

Graph and/or Data:

Dissolved Oxygen (high levels needed for trout)

Healthy:

Actual:

Velocity: (needed to maintain high Dissolved Oxygen levels)

Healthy:

Actual:

Temperature: (Low temperatures means more Dissolved Oxygen)

Healthy:

Actual:

Nitrogen: (too much can hurt, trout are sensitive)

Healthy:

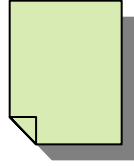
Actual:

Phosphorus: (too much can hurt, trout are sensitive)

Healthy:

Actual:

Buying Power Report



Report Title: Vermont Trout Study: Moose River

By: Ver-Enviro-mont, INC

Dates: 1991-1998

Cost: \$500

Report Summary: This report summarizes salmon population in the Moose River. The study found that many salmon are not returning to lay their eggs and populations are declining. Many dams and other obstructions of the river along with loss of habitat are causing the decline scientists hypothesize. The Study was done by the fish department using electroshock fishing methods during the month of September every year. The Slimy Sculpin was also used as an indicator species. (a sensitive species that can tell the overall health of a stream)

Graph and/or Data:

1991:

Slimy Sculpin: 18 per 100 feet

Brook Trout: 16 per 100 feet

Rainbow Trout: 8 per 100 feet

1992:

Slimy Sculpin: 17 per 100 feet

Brook Trout: 17 per 100 feet

Rainbow Trout: 5 per 100 feet

1993:

Slimy Sculpin: 22 per 100 feet

Brook Trout: 26 per 100 feet

Rainbow Trout: 12 per 100 feet

1994:

Slimy Sculpin: 14 per 100 feet

Brook Trout: 8 per 100 feet

Rainbow Trout: 6 per 100 feet

1995:

Slimy Sculpin: 17 per 100 feet

Brook Trout: 10 per 100 feet

Rainbow Trout: 6 per 100 feet

1996:

Slimy Sculpin: 15 per 100 feet

Brook Trout: 8 per 100 feet

Rainbow Trout: 5 per 100 feet

1997:

Slimy Sculpin: 14 per 100 feet

Brook Trout: 9 per 100 feet

Rainbow Trout: 4 per 100 feet

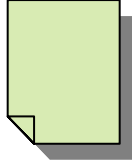
1998:

Slimy Sculpin: 12 per 100 feet

Brook Trout: 9 per 100 feet

Rainbow Trout: 5 per 100 feet

Buying Power Report



Report Title: Vermont Economic Forecast

By: The National Council for Rural Development

Date: June 3, 2000

Cost: \$2000

Report Summary:

This report was commissioned by the Federal government to determine the economic future of the nation's rural communities. The report found that Vermont's population is slowly rising. The Number of Jobs in Vermont is not rising as fast as the national average. The Majority of the Jobs seem to be centered around the Champlain Valley leaving the rest of the state in trouble. It is predicted that unemployment in rural Vermont will rise. The other problem is that wages will not see growth while housing and heating costs will rise.

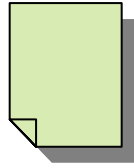
Graph and/or Data:

Labor Data Taken from: <http://www.labor.vermont.gov/>

				Total	Employment	Unemployment	Unemployment Rate%	
Essex County	2005	01	Jan	3,300	3,150	150	4.3%	No
			Annual					
Essex County	2004	00	Average	3,250	3,100	150	4.1%	No
			Annual					
Essex County	2001	00	Average	3,200	3,050	150	4.3%	No
			Annual					
Essex County	2000	00	Average	3,150	3,000	100	3.9%	No
			Annual					
Essex County	1999	00	Average	2,900	2,750	150	5.7%	No
			Annual					
Essex County	1998	00	Average	2,850	2,650	150	5.5%	No
			Annual					
Essex County	1996	00	Annual	2,850	2,600	250	8.1%	No

Unemployment means the percent of people actively looking for work.

Buying Power Report



Report Title: “Flying Mublette” Stock Forecast

By: The Wall Street Journal Special Report

Date: June 3, 2000

Cost: \$1000

Report Summary:

Flying Mublettes, the newest rave in un-chewable dog Frisbees, is hot on the market this quarter. The NEO-GEO, creator of the Goldfish Ferris Wheel, has had a rocky history. It almost went out of business due to a run in with the Environmental Protection agency. Right now NEO-GEO is the only producer of unchewable dog Frisbees and the stock has therefore skyrocketed.

Graph and/or Data:

NEO-GEO STOCK HISTORY

1988: \$1.50 per share

1989: \$1.51 per share

1990: \$1.88 per share

1991: \$9.50 per share (Introduction of the “Goldfish Ferris Wheel”)

1992: \$10.50 per share

1993: \$11.01 per share

1994: \$12.02 per share

1995: \$19.00 per share (Introduction of the “Kitty Scooter”)

1996: \$21.00 per share

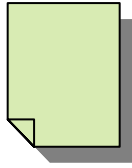
1997: \$1.02 per share (Environmental Scandal)

1998: \$9.00 per share

1999: \$14.05 per share

2000: \$22.00 per share (Introduction of “Flying Mublettes”)

Buying Power Report



Report Title: Private Chemical Test Study on Neo Geo Plant in Bangor, ME

By: Eviro-Independent.Com, INC

Date: July 17, 2002

Cost: \$2000

Report Summary: This report was conducted in a case against the NEO-GEO company and the damage they did to a small river in Maine. The Statistics are as follows:

Graph and/or Data:

Dissolved Oxygen (high levels needed for trout)

Healthy: 26 mg/Liter

Actual: 19mg/Liter

Velocity: (needed to maintain high Dissolved Oxygen levels and coolness)

Healthy: .085 Meters/Second

Actual: .056 Meters/Second

Temperature: (Low temperatures means more Dissolved Oxygen)

Healthy: 60 degrees Fahrenheit

Actual: 70 degrees Fahrenheit

Researchers Note: No shade trees to keep temp cool

Phosphorus: (too much can hurt, trout are sensitive)

Healthy: 0 mg/Liter

Actual: .89 mg/Liter

PH: (too much can hurt, trout are sensitive)

Healthy: 7.2

Actual: 7.6

Researchers Note: Remember 1-7 is an acid, 7 and on is a base, pure water is 7

WORKSHEET 1

ROLE QUESTIONNAIRE

Directions: Always write in complete sentences.

1. What name did you choose for your character? Why?
2. What is your character's position on the issue? Is it different than yours? How so?
3. In your own words, what is a pro and what is a con?
4. What is one pro for the factory and what is one con against the factory?
5. How much money do you have to spend? What report could you buy that best support your role and the product you have complete? For example if you have to do a graph-you have to buy a report for data. (If you have no money you may skip this one)
6. What do you think will be your biggest challenge during the simulation?

WORKSHEET 3

SELF-REFLECTION

Now that you have had discussion and possibly seen your video answer the following questions in complete sentences. These answers will only be seen by your teacher!

1. What did you do best in the simulation?
2. What do you think you could have done better?
3. If you worked in a group, did you work well together? What was one positive and one negative of your group?
4. What could your teacher have done to help you have more success in the simulation?
5. What suggestion would you give to the next person with your role?
6. Now please give yourself a grade for how you felt you performed during the entire simulation. _____

Ecological Attitude Survey

Please circle **Agree** or **Disagree** with the following statements based on what you believe.

1. I think that it is good to protect the lands where animals live

I Agree

I Disagree

2. I think that it is good for companies to give people jobs.

I Agree

I Disagree

3. I think that endangered or rare species should be protected at all cost.

I Agree

I Disagree

4. I think that there should be strict laws against polluting.

I Agree

I Disagree

5. I think hunting and fishing is a good thing.

I Agree

I Disagree

6. I would sacrifice some wild fish to create more human jobs.

I Agree

I Disagree

7. I think the Moose River (or local river) is pretty clean.

I Agree

I Disagree

8. I think that animals should be protected more.

I Agree

I Disagree

9. I think that human needs are always the most important.

I Agree

I Disagree

10. I think that humans and animals cannot live without each other.

I Agree

I Disagree

