

Implementation Plan – Wendy Moore

Date: 2013

Name: Wendy Moore

School: Pittsburgh Science and Technology Academy

Unit Title: Asia Human-Environment Interaction

Pennsylvania Common Core for Reading for Literacy in History/Social Studies

1. Cite specific textual evidence to support analysis of primary and secondary sources
2. Determine the central ideas or information of a primary or secondary source, provide an accurate summary of the source distinct from prior knowledge or opinion
4. Determine the meaning of words and phrases as they are used in a text, including vocabulary specific to domains related to history/social Studies
7. Integrate visual information with other information in print and digital art

Content Area: World Geography

Targeted Grades: Middle School

How will this Unit Be integrated into your curriculum: 6th Grade World Geography unit on Asia when we look at Human-Environment Interaction

Time of Implementation: May 2014

Big Idea: Students will understand the impact of humans changing the environment.

Essential Questions: How does the Human-Environment Interaction work in modern-day China?

Lessons:

Day 1: Introduction

Day 2: Research

Day 3: Discussion

Day 4: Assessment

Assessment: Essay question: How do the five themes of geography interact in Modern Day China pertaining to the Three Gorge dam?

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Resources:

Websites:

“China: Three Gorge Dam” by Discovery Atlas on howstuffworks.com <http://geography.howstuffworks.com/7143-china-three-gorges-dam-video.htm>

“Elizabeth Childs-Johnson, PhD Archeologists”

<http://www.pbs.org/itvs/greatwall/story2.html>

“Yangtze River Map”

<http://www.chinahighlights.com/yangtzeriver/map.htm>

“Chinese Dam Projects Criticized for Their Human Costs” on the website

<http://www.nytimes.com/2007/11/19/world/asia/19dam.html?pagewanted=print>

“Impact of Building the Three Gorges Dam in China.” http://on.aol.com/video/impact-of-building-the-three-gorges-dam-in-china-502319360?icid=video_related_6

“Show us the dam money: Fights over post-Three Gorges Subsidies”

<http://journal.probeinternational.org/2012/12/28/show-us-the-dam-money-fights-over-post-three-gorges-subsidies/>

“Three Gorges Project Stimulates Local Economy”

http://english.people.com.cn/english/200007/24/eng20000724_46282.html

“Video: Living with the Dam”

http://www.nytimes.com/interactive/2007/11/19/world/asia/choking_on_growth_4.html?_r=0#story3

“Interactive Graphic: Counting the Displaced”

http://www.nytimes.com/interactive/2007/11/19/world/asia/choking_on_growth_4.html?_r=0#story4

“Chinese Dam Projects Criticized for Their Human Costs”

<http://www.nytimes.com/2007/11/19/world/asia/19dam.html?pagewanted=print>

“Impact of Building the Three Gorges Dam in China.” http://on.aol.com/video/impact-of-building-the-three-gorges-dam-in-china-502319360?icid=video_related_6

““China’s Three Gorges Dam: An Environmental Catastrophe?”

<http://www.scientificamerican.com/article.cfm?id=chinas-three-gorges-dam-disaster>

Images:

A: Three Gorge Dam

B: “China’s Three Gorges Dam”

C: Discussion Prompt

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Handouts:

- A: Description of Three Gorge Dam
- B: China: Three Gorge Dam Introduction
- C: Recording information from Image B
- D: “China’s Three Gorge Dam”
- E: “Wrap-Up” Day 1
- F: Optional Homework Assignment Day 1
- G: Anthropologists
- H: Economist
- I: Environmentalist
- J: Sociologist
- K: Wrap-Up Day 3
- L: Homework Day 2
- M: Note-taker
- N: Analyzer
- O: Director
- P: Elector
- Q: Wrap-Up Day 3
- R: Optional Homework Assignment for Day 3
- S: Assessment

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Day 1: The Introduction

1. Project an image of the Three Gorge Dam. (Image A)
2. Ask students to write a description of the image. (*Handout A*)
3. Discuss as a class what they see
4. Give students China: Three Gorge Dam Introduction (*Handout B*)
5. Watch the video “China: Three Gorge Dam” by Discovery Atlas on howstuffworks.com
<http://geography.howstuffworks.com/7143-china-three-gorges-dam-video.htm>
 - a. Have students fill out handout while short video is on
 - b. Demonstrate for the students by writing your notes on a side board while video is playing
 - c. Explain to students your thought process after video on your notes
 - d. Pair/Share students on notes from video
 - e. Add to the class chart by having students share out to entire class
6. Project “China’s Three Gorges Dam” (Image B)
 - a. Direct students to discuss impact of the Three Gorges Dam on people, the environment, history and economy based on the image
 - b. Direct students to share out to the class
 - c. Record information on class note sheets while students record information on (*Handout C*)
7. Handout newspaper article “China’s Three Gorge Dam” (*Handout D*)
 - a. Direct students to look at the title, pictures, captions, and text boxes on the side
 - b. Have students pair/share what they think the overall article is about
 - c. Direct students to individually read the article highlighting important words or phrases as they go
 - d. Have students pair/share a surprising or interesting fact as they read and one word they struggled with the meaning of
 - e. Share out to the class
 - f. Have students complete the graphic organizers in groups of 2
 - g. Pair the groups of 2 together to go over the entire article
 - h. Share out as a class – have students explain their reasoning and thought process as they share out
8. Hand out the Wrap-Up (*Handout E*)
 - a. Direct students to complete and hand to teacher/bin on way out of the classroom

(Optional homework assignment: students write a summary of what they learned about the dam so far – Handout F)

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Day 2: The Research

1. Have the list of effects of building the dam that students wrote for the wrap-up yesterday
2. Direct students to categorize the effects into Economists, Anthropologist, Sociologist and Environmentalist
3. Share out and discuss student responses to the categorization
4. Break students up into four groups: Economists, Anthropologist, Sociologist and Environmentalist
5. Explain to students they will be presenting that perspective in a World Meeting tomorrow to discuss other large dam projects located throughout Asia
6. Provide time for students to work on individual assignments with quiet discussion as needed and monitoring from teacher
 - a. Handout G: Anthropologists
 - b. Handout H: Economist
 - c. Handout I: Environmentalist
 - d. Handout J: Sociologist
7. Call students back together about 15 minutes prior to the end of class. Have four groups share with each other interesting facts, problems and solutions.
8. Handout the Wrap-Up (Handout K)

(Optional Homework: have students write a summary of the basic cost/benefit analysis from their perspective Handout L)

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Day 3: The Discussion

1. Have a three-four small discussion circles set up with the groups having at least one person from every subgroup. (Economist, Environmentalist, Anthropologist and Sociologist)
2. Direct students to take out notes from yesterday as well as homework (if assigned)
3. Have students vote on people to complete the following jobs:
 - a. Note-taker (takes notes on every person's comments) Handout M
 - b. Analyzer (creates a large cost/benefit analysis adding in all students viewpoints) Handout N
 - c. Director (in charge of making sure all students are participating in the discussion) Handout O
 - d. Elector (in charge of the election at the end and counting votes) Handout P
4. Start discussion in small groups. Walk around monitoring behavior and discussion content.
5. Give students the prompt (Image C) when students have about 15 minutes left in class.
6. Gather the results from the elector
7. Announce the results to the class
8. Handout the Wrap-up (Handout Q)

Optional homework: Student write a personal reaction to the discussion in class Handout R

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Day 4: The Assessment

1. Have students take out all materials from the past few days (including notes from discussion yesterday)
2. Give students the assessment question (Handout S)
3. Remind students they are permitted to use all sources reviewed/read in class.
4. Remind students they need to use citations during this at some point.
5. Provide time (minimum of 45 minutes) for students to work on essay.

Image A: Three Gorges Dam

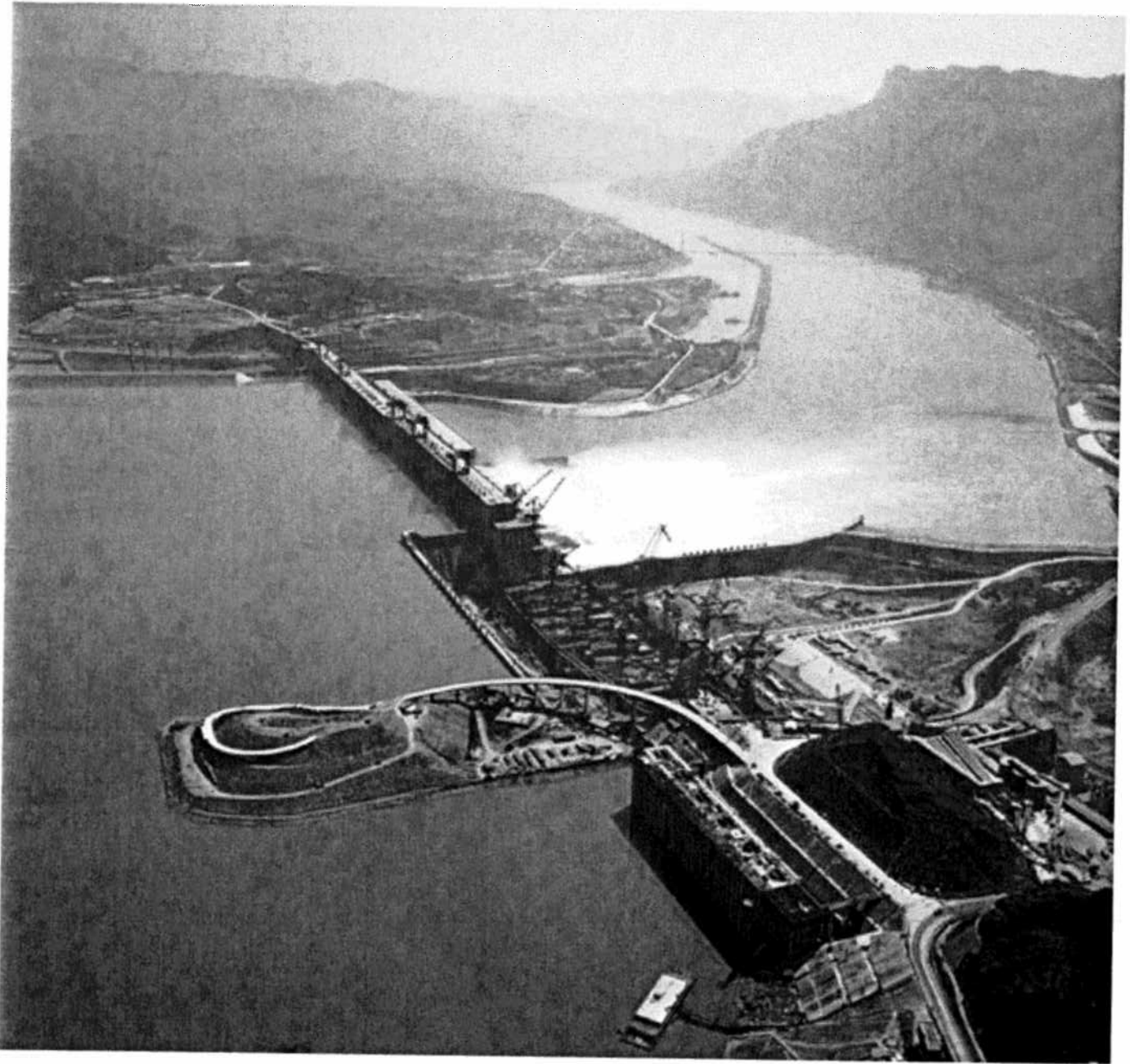
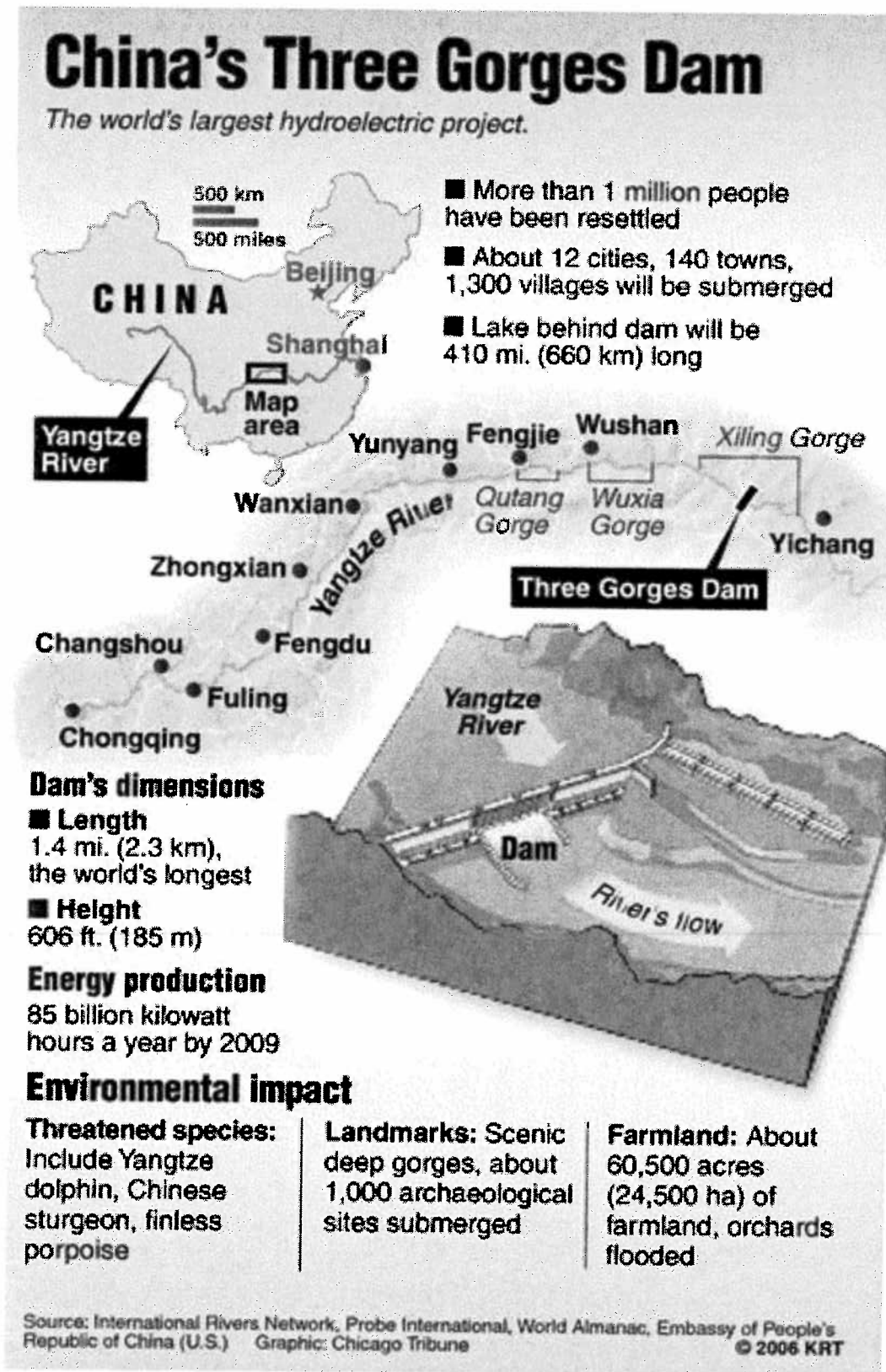


Image B: "China's Three Gorge Dam"



Handout A: Three Gorges Dam



Directions: Look at the image on this paper and projected on the screen. Write a description of the image using the questions below as prompts (use complete sentences):

1. What objects in the image do you see? _____

2. What actions do you believe take place? Why do you think they take place (use items in the image to support your analysis)? _____

3. Describe the difference between north of the dam and south of the dam. _____

4. Describe the area around the dam. _____

5. What questions does this image bring to mind? (Write at least three questions.)

a. _____

b. _____

c. _____

Handout B: “China: Three Gorge Dam” by Discovery Atlas

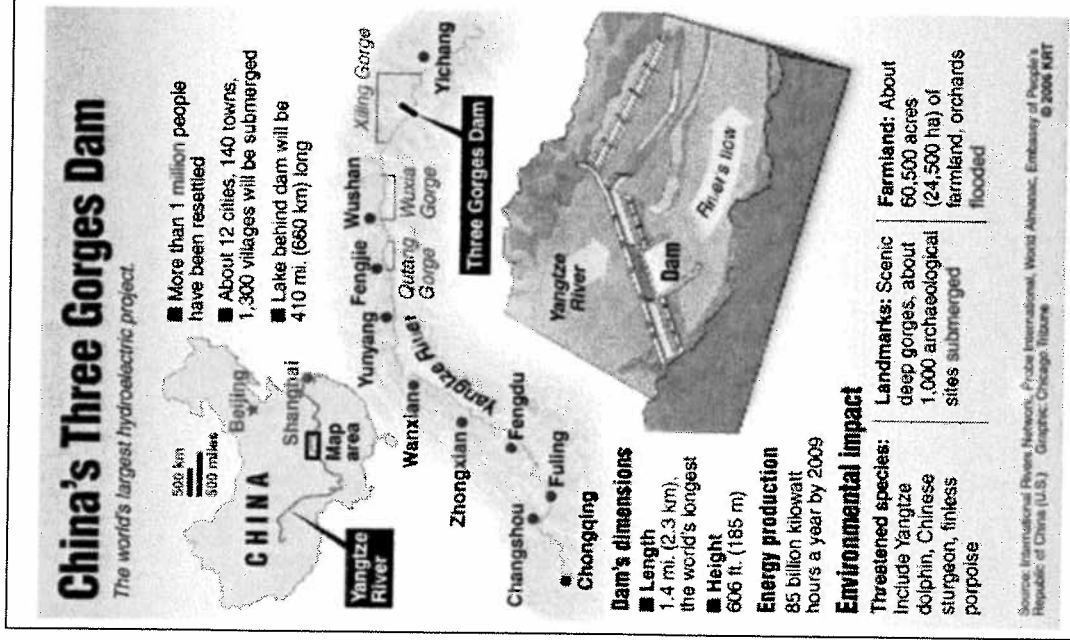
Directions: Watch the video as a class and fill in the chart below. Be prepared to share your thoughts about the video with a classmate.

Why was the dam created?	How is the dam being built?	What are the problems associated with the dam?

Handout C: China's Three Gorges Dam

Student Name: _____

Directions: Complete the chart based on the graphic provided.



Question:	Quote from graphic	Explanation of Quote
What was the environmental impact of the Three Gorges Dam?		
What was the anthropological impact of the Three Gorges Dam?		
What was the economic impact of the Three Gorges Dam?		
What was the sociological impact of the Three Gorges Dam?		
What other important information do you learn from the map?		

Graphic taken from: http://media.mccclatchydc.com/smedia/2007/10/11/17/723-20060518_CHINADAM-153.large.prod_affiliate.91.jpg

Handout D: China's Three Gorges Dam

Student Name: _____

China's Three Gorges Dam

China's biggest construction project since the Great Wall generates controversy at home and abroad

By Bruce Kennedy
CNN Interactive

(CNN) -- It is the virtual definition of a monumental project -- a dam one and a half miles wide and more than 600 feet high that will create a reservoir hundreds of feet deep and nearly 400 miles long. The reservoir, its engineers say, will enable 10,000-ton ocean-going freighters to sail directly into the nation's interior for six months of each year, opening a region burgeoning with agricultural and manufactured products. And the dam's hydropower turbines are expected to create as much electricity as 18 nuclear power plants.



The Yangzi River is home to some of China's most spectacular natural scenery, a series of canyons known as the Three Gorges

The project is China's Three Gorges Dam, and it has already been the subject of great international scrutiny. It is being called the largest construction project in China since the Great Wall. Many high-ranking Chinese officials expect the dam to become a potent symbol of their nation's vitality in the new century and the new millennium.

Chinese authorities hope the dam will take care of several major national problems with a single monumental stroke. The Three Gorges project is seen as an important future source of energy for China's growing electrical consumption. It is also expected to tame the fabled Yangzi River. The Yangzi's notorious floods have been recorded for millennia and have claimed more than 1 million lives in the past 100 years.

Known to most Chinese as Chang Jiang (Long River), the Yangzi at 3,937 miles is the third longest river in the world behind the Nile and the Amazon.

The father of modern China, Sun Yat-sen, is credited with first proposing the idea of a hydroelectric dam at Three Gorges in 1919. And in the mid-1950s, after devastating floods along the Yangzi, Mao Tse-tung ordered feasibility studies on damming the river.

The project includes a system of locks, the largest ever built, intended to bring ocean-going ships 1,500 miles inland to Chongqing, the capital of the municipality created from Sichuan Province in 1997 to encompass the project. The municipality, with more than 30 million people, is under the direct control of the central government in Beijing. Officials hope the combination of inexpensive electricity and cheap river transportation will further open the region to international investment -- making Chongqing a major business center.

Handout D: China's Three Gorges Dam

The great expectations surrounding the Three Gorges Dam project also have generated a huge reservoir of controversy from within China and abroad.

Concerns have surfaced about the dam itself. Allegations of corruption among officials involved with the project have raised fears of shoddy construction. The Chinese media recently reported several incidents in which corruption and poor construction have led to disasters at major building projects. Notable among the reports was the collapse of a steel bridge in the city of Chongqing in January 1999 that killed 40 people.

Such incidents also have prompted rare open criticism from the Chinese leadership regarding the Three Gorges Dam. In early 1999 Chinese Premier Zhu Rongji inspected the dam site. He warned those involved in the project that "the responsibility on your shoulders is heavier than a mountain. Any carelessness or negligence will bring disaster to our future generations and cause irretrievable losses." Zhu also suggested China might invite top international engineers to inspect the dam and monitor its construction.

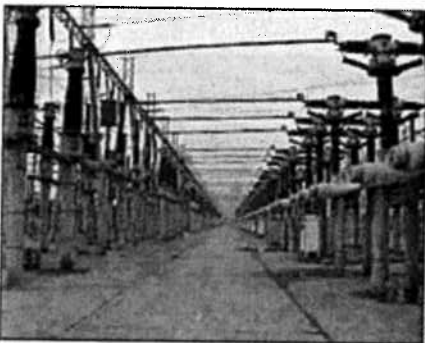


Chinese leaders have long dreamed of taming the Yangzi for power generation and flood control. The river's infamous floods have brought destruction and death for centuries – 1 million deaths in the 20th century alone

Non-governmental criticism of the project also has surfaced. Journalist Dai Qing was jailed for 10 months in 1989-90 after criticizing the Three Gorges project and, by extension, Li Peng, the former Chinese premier and Soviet-trained engineer who spearheaded the dam's construction.

Dai calls Three Gorges "the most environmentally and socially destructive project in the world." She also calls for a halt to construction and supports the idea of a series of smaller, less disruptive construction projects on tributaries of the Yangzi.

Of further concern are claims the dam might become an environmental disaster. There have been little to no attempts made toward removing accumulations of toxic materials and other potential pollutants from industrial sites that will be inundated. Experts say such materials could leach into the reservoir, creating a health hazard. The relative lack of waste treatment plants in China also could mean run-off from communities around the dam would most likely go untreated directly into the reservoir and into the Yangzi.



Electrical power derived from the dam's turbines will provide up to one-ninth of China's output, the government estimates

"By severing the mighty river and slowing the flow of its water, the dam will cause pollution from industrial and residential sources to concentrate in the river, rather than be flushed out at sea," writes Chinese journalist Jin Hui in "The River Dragon Has Come!" a recently published collection of criticisms against the dam. "The result will be a poisoned river."

There are also claims that the dam will actually contribute to the silt accumulation in the Yangzi, rather than allow larger ships to travel the river.

And others dispute whether the electricity generated by the dam will be efficiently used.

"I think China has embraced an energy dinosaur," says Dr. John Byrne, director of the University of Delaware's Center for Energy and Environmental Policy. "In terms of an American scale, this dam is

somewhat akin to the electrical load between Philadelphia and Washington D.C. being served from a single power plant."

Handout D: China's Three Gorges Dam

It appears the Three Gorges project is too far along to be halted. More than 20,000 workers are working around the clock on the dam itself. The reservoir is expected to be at its full depth by 2009.

Observers say China's leaders have too great a political investment in the dam's completion to ever contemplate backing away from the project.

"The project's conception was monumental," says Byrne. "This was seen in the early years [of the project] as a way to show the advanced nature of Chinese society under socialism, to solve a problem that has existed in China for thousands of years... But when you're doing something on this scale, you should really make solving the problems your first priority. Unfortunately, China has decided to launch the project -- then solve the problems along the way."

Solutions: What solutions is the creation of the Dam providing?		Problems: What problems is the creation of the dam creating?	
Solution	Evidence of the Solution (Quotation from text)	Problem	Evidence of the Problem (Quotation from text)

Handout D: China's Three Gorges Dam

Byrne is skeptical whether the huge amount of electricity expected to be generated by the Three Gorges project -- meant to produce power for Chongqing and places as far away as Shanghai -- can be efficiently and economically absorbed by China's electrical system.

Some facts about the Three Gorges project:

- Project expected to take 17 years; completion expected in 2009.

- An estimated 250,000 workers are involved in the project.

- The Three Gorges Reservoir will inundate 632 square kilometers (395 square miles) of land.

- An estimated 1.2 million people will be resettled by the dam.

- The project's 26 hydropower turbines are expected to produce 18.2 million kilowatts, up to one-ninth of China's output.

- The amount of concrete totals 26.43 million cubic meters, twice that of the Itaipu project in Brazil, currently the world's largest hydroelectric dam.

Source: Chinese government

The social element of Three Gorges has generated more questions than answers. The dam will "drown" more than 100 towns once the water starts to rise in 2003. Government estimates say 1.2 million people will be resettled and that new land is being provided for 300,000 farmers. Some observers say the government may be underestimating by as many as 700,000 the number of people who actually will be relocated.

The issue of the farmland, much of which has been tilled by the same Chinese families for centuries and will be lost under the reservoir's waters, is particularly important, Byrne says.

"One of the tragedies of this [project], if just from a regional standpoint, is that the land that is going to be flooded is some of the most fertile in China," says Byrne. "The land to where the population is to be relocated is much less fertile."

The frustrations of those caught up in the resettlement process have been well covered by the Chinese media. Even the People's Daily, the Chinese Communist Party's official newspaper, has editorialized against corruption and poor construction that have either delayed new housing or resulted in sub-standard buildings.

Historians also have questioned the dam's impact on attempts to preserve some aspects of China's long and illustrious history. Archaeologists and historians have estimated nearly 1,300 important sites will disappear under the reservoir's waters.

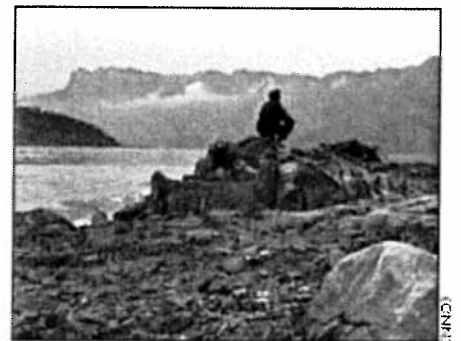
Most irreplaceable, according to some experts, are sites that are remnants of the homeland of the Ba, an ancient people who settled in the region about 4,000 years ago. A former curator at Beijing's National Museum of Chinese History describes the area as "the last and best place to study Ba culture."

For its part, the government is well aware of the problems and challenges posed by the Three Gorges project. Nevertheless Guo Shuyan, deputy director of the Three Gorges Project Commission under the State Council, has described the project as "environmentally sound, on the whole."

Chinese officials note the dam may end up providing as much as one-ninth of the nation's electrical production. Considering that China burns 50 million tons of coal each year for energy, their point is that the environmental benefits outweigh the environmental damage.



The Three Gorges Dam project will require the resettlement of 1.2 million people, according to the government, although observers say that estimate may be short by as many as 700,000 people



The Yangzi is the longest river in Asia and the third longest in the world, stretching nearly 4,000 miles across China. The world's longest river is the Nile; the second longest is the Amazon

Handout E: Wrap-Up for Background Information

Directions: Write a 3-4 sentence summary on what you learned today.

Handout G: Impact of the Three Gorges Dam: Anthropologists

Part 1: "Elizabeth Childs-Johnson, PhD Archeologists"

Directions: From the website <http://www.pbs.org/itvs/greatwall/story2.html> scroll down and open the video entitled "Elizabeth Childs-Johnson, PhD Archeologist"

While watching, take notes on impact of the dam on the sites and history of China.

What historic sites are impacted by the Three Gorges Dam?	What cultural elements are impacted by the Three Gorges Dam?	What does the destruction of these mean to anthropologists?

Directions: Write a short 5-10 sentence summary of the information above which answers the question: What was the impact of the Three Gorges Dam? _____

Handout G: Impact of the Three Gorges Dam: Anthropologists

Part 2: "Yangtze River Map"

Directions: Open the website on historic sites along the Yangtze River

<http://www.chinahighlights.com/yangtzeriver/map.htm> and complete the chart below on the impact of the Three Gorge Dam.

What historic sites are available to view in the Yangtze River Valley?	What is the historic significance of the site?	How has the Three Gorges Dam changed the site?

Handout G: Impact of the Three Gorges Dam: Anthropologists

Part 3: "Chinese Dam Projects Criticized for Their Human "

Directions: Read the article "Chinese Dam Projects Criticized for Their Human Costs" on the website <http://www.nytimes.com/2007/11/19/world/asia/19dam.html?pagewanted=print> . While reading, create a timeline of events and government decisions of the Three Gorge Dam. (Be sure to quote the line which provide evidence of the event.

What historic sites are being destroyed and what is their significance?		What is being done to save the history of China in these areas?	
Quote line from text	Explanation of quote	Quote line from text	Explanation of quote

Handout H: Impact of the Three Gorges Dam: Economic

Part 1: "Impact of Building the Three Gorges Dam in China"

Directions: Watch the video on the AOL website entitled "Impact of Building the Three Gorges Dam in China."

http://on.aol.com/video/impact-of-building-the-three-gorges-dam-in-china-502319360?icid=video_related_6

While watching, take notes on impact of the environment on the human population of the local area.

Why was the Three Gorge Dam needed in China economically speaking? (continues throughout the video)	How was economy impacted? (continues throughout the video)	What is the long term effects of the creation of the dam and how has China reacted? (Continues throughout the video)

Directions: Write a short 5-10 sentence summary of the information above which answers the question: What was the impact of the Three Gorges Dam? _____

Handout H: Impact of the Three Gorges Dam: Economic

Part 2: "Show us the dam money: Fights over post-Three Gorges Subsidies."

<http://journal.probeinternational.org/2012/12/28/show-us-the-dam-money-fights-over-post-three-gorges-subsidies/>

Directions: Open the article "Show us the dam money: Fights over post-Three Gorges Subsidies" David Braun of National Geographic. Scan the reading but base the majority of the notes on the images. Take notes on the following.

What areas need focused economic attention?	Why does the area need focused economic attention?	What are the plans to give the area the economic attention?

Handout H: Impact of the Three Gorges Dam: Economic

Part 3: "Three Gorges Project Stimulates Local Economy?"

Directions: Read the article "Three Gorges Project Stimulates Local Economy" on the website http://english.people.com.cn/english/200007/24/eng20000724_46282.html . Complete the chart below about the environmental impact of the Dam

Reasons the Three Gorges Dam helps the Economy			
Quotation of Text	Explanation of Text	Who will this impact?	Summary in one word

Handout H: Impact of the Three Gorges Dam: Economic

Handout I: Impact of the Three Gorges Dam: Environmental Costs

Part 1: "Impact of Building the Three Gorges Dam in China"

Directions: Watch the video on the AOL website entitled "Impact of Building the Three Gorges Dam in China."
http://on.aol.com/video/impact-of-building-the-three-gorges-dam-in-china-502319360?icid=video_related_6

While watching, take notes on impact of the environment on the human population of the local area.

Why was the Three Gorge Dam needed in China? (continues throughout the video)	How was environment impacted? (continues throughout the video)	What is the long term effects of the creation of the dam and how has China reacted? (Continues throughout the video)

Directions: Write a short 5-10 sentence summary of the information above which answers the question: What was the impact of the Three Gorges Dam? _____

Handout I: Impact of the Three Gorges Dam: Environmental Costs

Part 2: "Flooding May offset Three Gorges Dam Impact on the Environment, Expert Says"

Directions: Open the article "Flooding May Offset Three Gorges Dam Impact on the Environment, Expert Says" By David Braun of National Geographic. Scan the reading but base the majority of the notes on the images. Take notes on the following.

Describe the impact of the floods	How can the floods be used to create positive results?	How has the Yangtze river changed since the creation of the Three Gorges Dam?	What areas will be the most effected by the Three Gorges Dam?

Handout I: Impact of the Three Gorges Dam: Environmental Costs

Part 3: "China's Three Gorges Dam: An Environmental Catastrophe?"

Directions: Read the article "China's Three Gorges Dam: An Environmental Catastrophe?" on the website <http://www.scientificamerican.com/article.cfm?id=chinas-three-gorges-dam-disaster> . Complete the chart below about the environmental impact of the Dam

Reasons the Three Gorges Dam helps the environment		Reasons the Three Gorges Dam hurts the environment	
Quotation of Text	Explanation of Text	Quotation of Text	Explanation of Text

Handout I: Impact of the Three Gorges Dam: Environmental Costs

Handout J: Impact of the Three Gorges Dam: Sociologists

Part 1: "Video: Living with the Dam"

Directions: Watch the video on the New York Times website entitled "Video: Living with the Dam"
http://www.nytimes.com/interactive/2007/11/19/world/asia/choking_on_growth_4.html?_r=0#story3

While watching, take notes on impact of the dam on the human population of the local area.

What caused the impact on the families? (continues throughout the video)	How were families impacted? (continues throughout the video)	What is life like now for those impacted? (continues throughout the video)

Directions: Write a short 5-10 sentence summary of the information above which answers the question: What was the impact of the Three Gorges Dam? _____

Handout J: Impact of the Three Gorges Dam: Sociologists

Part 2: "Interactive Graphic: Counting the Displaced"

Directions: Open the interactive graphic entitled "Interactive Graphic: Counting the Displaced"
http://www.nytimes.com/interactive/2007/11/19/world/asia/choking_on_growth_4.html?_r=0#story4 and complete the chart below on the impact of the Three Gorge Dam.

What areas of the Three Gorges Dam were impacted and how was each impacted?	What is the area impacted by the three Gorge Dam?	How do the dams in China compare to Dams throughout the world?

Handout J: Impact of the Three Gorges Dam: Sociologists

Part 3: "Chinese Dam Project Criticized for Their Human Costs"

Directions: Read the article "Chinese Dam Projects Criticized for Their Human Costs" on the website <http://www.nytimes.com/2007/11/19/world/asia/19dam.html?pagewanted=print> . While reading, create a timeline of events and government decisions of the Three Gorge Dam. (Be sure to quote the line which provide evidence of the event.



Handout K: Wrap-Up for Research

Directions: After talking to your group members, write a brief summary of the key (important) information, problems and solutions that each person reported.

Handout L: Homework for Research

Directions: Using the research you completed in class, fill in the options that the Chinese had and the costs and benefits of each option.

OPTION	COST	BENEFIT

Handout L: Homework for Research

Handout M: Note-taker

Directions: Take notes on every students comments. Feel free to use additional paper as well.

Student	Comments	Source of Information

Handout N: Analyzer

Directions: On Chart paper create a large cost benefit analysis of every person in your group.

OPTION	COST	BENEFIT

Handout N: Analyzer

OPTION	COST	BENEFIT

Handout P: Elector

Directions: You are in charge of completing the election at the end of the period. Cut out the election polls. Count the votes and give the totals to Ms. Moore

