APPENDIX A

Critical Thinking Poster Assignment and Rubric

OBJECTIVE

The objective of this assignment is to create a critical thinking poster that will teach people without a science background how to evaluate scientific information from science journals, the media, and political organizations.

INSTRUCTIONS

- 1. You may work individually or you may work in pairs for this assignment. However, groups of three or more members are not permitted.
- 2. The poster must be done using Ledger Size (11" by 17") paper.
- 3. The poster may contain any type of medium such as 3-dimensional pop-out art, hand-drawn illustrations, digital images or photographs, so long as it is original, creative, and artistic.
- 4. The poster must contain one <u>explicit</u> message that will teach non-scientists how to evaluate scientific information from science journals, the media, and political organizations. For example, this may be accomplished in the form of a simple question or a satirical cartoon.
- 5. The poster must also contain one or more <u>implicit</u> messages that will reinforce human rights, for example, ableism, ageism, classism, faithism, heterosexism, racism, and/or sexism.

RUBRIC

25 marks:	Level R	Level 1	Level 2	Level 3	Level 4
	Non-ledger sized	The poster was	The poster had	The entire ledger	The entire ledger
Basic Criteria	paper was used.	congested with	many empty	sized paper was	sized paper was
		too many words	spaces with no	appropriately	effectively used.
		and/or images.	functional use.	used.	
	The poster had no	The poster was	The poster was	The poster was	The poster was
Artistic	organization and	not organized, but	somewhat	very organized,	very organized,
Quality	was not neatly	was somewhat	organized, and	very neatly done,	very neatly done,
	done.	neatly done.	somewhat neatly	and aesthetically	and aesthetically
			done.	pleasing to some.	pleasing to all.
Originality	The poster was	The poster's	The poster's	The poster's	The poster's
and	duplicated from a	concept was	concept was a	concept was	concept was
Creativity	classmate.	copied from a	parody from	original, creative,	original, creative,
Creativity		media source.	popular culture.	but common.	and clever.
	There was no	The message was	The message was	The message was	The message was
	explicit message	very ambiguous	ambiguous, but	understood and	clearly understood
Explicit	that taught non-	and did not reflect	did reflect critically	taught how to	and effectively
Message	scientists how to	critically thinking	thinking skills.	critically evaluate	taught how to
	critically evaluate	skills.		scientific	critically evaluate
	scientific			information to	scientific
	information.			scientists only.	information to all.
	There were no	The implied	The implied	The implied	The implied
luce a li ait	implicit messages	messages were	messages were	messages were	messages were
Implicit	that reinforced	very ambiguous	ambiguous, but	understood and	clearly understood
Message	human rights such	and did not	did reinforce	reinforced human	and effectively
	as the seven	reinforce nay	human rights.	rights to only	reinforced human
	"isms".	human rights.		some individuals.	rights to all.

APPENDIX B

NAME:		

Researched Opinion Paper Assignment and Rubric

OBJECTIVE

The objective of this assignment is help students develop global awareness and further develop critical thinking skills by researching current events on genocide, atrocities and catastrophes against humanity, and reading recently published scientific studies on racial biology.

INSTRUCTIONS

- 1. You may do the research in pairs. Groups of three or more members are not permitted. However, each individual must submit their own original paper.
- The researched opinion paper must contain a cover page with an original and creative title of the paper's theme, author's name, research partner's name, school's name, course code, course name, teacher's name, and the due date.
- 3. The bibliography must contain a variety of sources such as encyclopedias, books, journals, and not just internet websites. All references must be from appropriate authorities. The paper must contain embedded citations that use all the references listed in the bibliography.
- 4. The researched opinion paper must be typed using Arial 12 point font, single spaced, and be no longer than two pages, excluding the cover page and bibliography.
- 5. In the researched opinion paper, answer the following questions in separate paragraphs in the following order:
 - a. In this century, DNA technology has been revolutionary in medical advances, solving crimes, finding biological parents for adopted children, and genetically engineering agriculture to feed a growing human population. Explain what impact the application of these genetic technologies might have on our democratic society. You may use themes from the movie GATTACA, but I want to read at least two original thoughts. In addition, discuss why is it erroneous to consider improving the human genetic pool, for example, eradicating people with disabilities and/or asocial personalities. Use historical references to support your ideas and opinions.
 - b. The Jewish Holocaust was a horrific part of human history and we have all said "never again". Discuss three current events in today's world on genocide, atrocities and catastrophes against humanity where the world is still either behaving as perpetrators or bystanders. Each current event must be supported by appropriate references.
 - c. Remember that the Jewish Holocaust was not the fault of one man. There are many attitudes today that resemble those in the past. Explain how the "Aryan Race" is similar to the notion of "White Supremacy" in today's western culture. Explain how "the fear of terrorism" resembles the propaganda in the past. Discuss how human attitudes and behaviors all over the world like these can bring about genocides, atrocities and catastrophes against humanity, and let history repeat itself. Discuss how the government and media influence our perspectives and what issues in society are important to us. You must support your ideas and opinions with appropriate references. Use only articles on racial biology from scientific journals published no earlier than the year 2001 to support the theory that human race does not exist.
 - d. Discuss an action plan that could help our society prevent and/or stop history from repeating itself. You must be specific and explain in great detail how your action plan can accomplish this particular goal. Make sure that your response is not ambiguous or generic in nature. Use historical references to support the success of your action plan.

RUBRIC

Cri	teria	Level 1	Level 2	Level 3	Level 4
		Little or no organization and was difficult to read.	Organization was apparent and was written somewhat coherently.	Organization was well planned, adequate, and appropriate where it was easy to read and understand the information presented.	Organization was well designed, polished, and clever where it was easy to understand and follow the flow of logic throughout the essay.
Mechanics (3	Organization	No central thesis.	Undefined thesis or thesis was not clearly stated.	Focus of one central thesis was maintained most of the time throughout essay.	Focus of one central thesis was maintained consistently throughout essay.
	Orga	Paragraphs had unrelated topics, flowed confusingly, and were illogically or randomly linked together.	Paragraphs had no central topic, but flowed sequentially, and were linked coherently.	Some paragraphs had a topic sentence and followed some logical sequential flow. Paragraphs were usually linked efficiently with coherence and unity.	Each paragraph had a clearly stated topic sentence and followed a logical sequence. Paragraphs were always linked elegantly with a high degree of coherence and unity.
	ge	Vocabulary was limited.	Vocabulary was adequate, but repetitive.	Vocabulary was mature, appropriate, and variable.	Vocabulary was mature, highly effective, and variable.
	Language	Poor sentence structure.	Used simple sentences.	Used simple sentences and compound sentences.	Used simple sentences, compound sentences, and complex sentences.
	La	Many spelling, grammar, and/or punctuation errors.	Some spelling, grammar, and/or punctuation errors.	Minor spelling, grammar, and/or punctuation errors.	All spelling, grammar, and punctuation were accurate.
Content (30 marks) Voice Research		Sources were unreliable.	Sources were reliable, but biased.	Sources were reliable, objective, but from similar authorities.	Sources were reliable, objective, and from different authorities.
	search	Did not use any sources.	Used only one source to illustrate comparison and current examples.	Used and synthesized from a few sources to illustrate comparison and current examples.	Used and synthesized from a variety of sources to illustrate comparison and current examples.
	Res	No embedded citations.	Embedded citations were used inappropriately.	Embedded citations sometimes were ineffective in supported the idea, opinion, or showed evidence to support the argument.	Embedded citations always effectively supported the idea, opinion, or showed evidence to support the argument.
		Superficial arguments where ideas were poorly developed.	Purposeful and methodical arguments where some ideas were developed.	Inquisitive, insightful, and original arguments where most ideas were well developed.	Thought-provoking and original arguments where ideas were thoroughly developed.
	Voice	Voice was often limited to a personal and vernacular register.	Voice attempted to create interest with an occasional awareness of an audience.	Voice captures the reader's attention and presented a variety of stimulating information.	Voice engaged the reader's mind and inspired critical thinking and awareness on the topic.
		Audience was unaffected by writer's perspectives.	Audience was persuaded by writer's perspectives.	Audience was emotionally moved by writer's perspectives.	Persuaded the audience to "save the world" now!!!