

## OUTLINE of LETTER to the REVIEW BOARD

1231 Main Street (This is your address.)  
Charlotte, NC 28270 (This is your city, state, zip code.)  
November 15, 2010 (This is the due date of the final review board letter.)

Judges, Graduation Project Boards  
David W. Butler High School  
1810 Matthews-Mint Hill Road  
Matthews, NC 28105

Dear Judges:

Paragraph I: Use this opportunity to introduce yourself and share what you learned from the Graduation Project and your senior year.

Paragraph II: Personal Background: This is an optional paragraph where you may include a significant experience in your life, a brief personal statement, a focus on your growth in your senior year or something really important in your life.

Paragraph III: The Project: Provide the thesis and overview of the research. Be sure to discuss additional knowledge gained through the research with a clear explanation of how the product is an extension of the research-based paper.

Paragraph IV: How did the Graduation Project affect your thinking and/or learning?

Paragraph V: Sentence of appreciation.

Sincerely,

*Signature* (Use black ink to sign your full name in cursive.)

Type Your Full Name

1506 Woodfin Drive  
Charlotte, NC 28277  
November 15, 2010

Judges, Graduation Project Boards  
Butler High School  
1810 Matthews-Mint Hill Rd.  
Matthews, NC 28105

Dear Judges:

As a student here at Butler High School, the Graduation Project has provided me the opportunity to probe into a topic I had long wanted to know more about but just had not taken the time to explore in depth. I chose to research the effects of global warming on the Earth's atmosphere because of an experience I had in elementary school.

My third grade science class's field trip to Discovery Place nine years ago to see a display on the uses of Energy sparked my interest in the effects of energy production and its use on our climate. I have sustained my interest in energy's atmospheric effects, and therefore I have been involved in several Earth Day celebrations. I decided to focus my Graduation Project on the effects of global warming so that I could expand my knowledge and dispel some of the myths about this subject.

Over the years I learned that carbon dioxide and other so-called greenhouse gasses are just some of the gasses found naturally in the atmosphere. However, the most important thing I learned is that many of the gasses are released into the Earth's atmosphere because of human behavior. This latter knowledge is what motivated me to do more research to find out what we can do to prevent these man-made, harmful effects and possibly to lessen the destruction caused by natural occurrences. **My research proved that over many years the effects of carbon dioxide will lead to global warming, and without intervention, carbon dioxide will lead to an uninhabitable future.**

To demonstrate my knowledge about the negative effects of global warming in a tangible product, I chose to create two models of the Earth. I wanted to show the condition of present-day Earth as compared to the changes in sea level in fifty to one hundred years because of global warming. I discovered a number of ways to prevent or lessen the effects of global warming, so I created an information brochure that offers suggestions for interventions and possibly preventing harmful effects caused by carbon dioxide. Since the course syllabus for my chemistry class contains a unit on the effects of various chemicals and gasses on the environment, I then decided to extend my growth and increase student awareness by sharing my knowledge with my peers. The process of preparing the lessons with corresponding questionnaires and analyzing student responses has given me a new perspective on the problem of global warming.

Working on this project has deepened my understanding of the harmful effects of greenhouse gasses, especially carbon dioxide and some gasses we don't often associate with global warming. This experience has also raised my level of consciousness about my actions and what we humans can do to eliminate many of the devastating effects of greenhouse gasses and to make this planet habitable for generations to come. Thank you for your time and interest. I hope you enjoy my presentation as much as I enjoyed preparing it.

Sincerely,

Joyce Simpson