INVENTION CONVENTION
RESEARCH REPORT

The research report for your invention convention must be typed. Use TIMES NEW ROMAN as the font. The size should be either 12 or 14. The margins must be 1” for the top and bottom margin with 1.5” for the left margin and 1” for the right. You may place a cover or binder on the report to hold it together or staple it in the upper left hand corner. Except for the "Abstract" page, each section of the report should be double spaced. Each section must begin on a new page, no matter how much space is left.

This is a science/engineering research report. Don't include statements about how you feel. The only place for personal feelings is in the "Acknowledgments" section. This report should include the following sections:

TITLE PAGE: Center the invention name on this page. Your name should not be on this or any other page of the report. This page does not have a number.

TABLE OF CONTENTS: Center on this page a listing of the sections of your report (do not include the title page or table of contents) and the page number that they can be found on. List the section name on the left and the page number on the right. Put only the first page number even if the section covers more than one page. Place a series of periods and spaces between the end of the section name and the page number. Remember, two spaces go after a period. Use your science book for an example. This will be the last page that you will do since you will then know the page numbers of all the sections. Double or triple space this page; choose the way that looks the best. The title "Table of Contents" should be at the top. Since you are centering it, the side margins may be wider than normal and you may alter the top and bottom margins for the best look. Don't use the word "page".

INTRODUCTION: The introduction sets the scene for your report. The introduction must include three items: what inspired you to develop this invention, an explanation of what problem your invention will solve, and describe in detail how you determined that the invention that you created did not already exist. Explain what products are already on the market that are somewhat like your invention and describe how yours differs. When you are describing your invention, do not call it your "invention convention project"; use the name that you gave it.

Several important points: what prompted your invention is not that you had to do this for a grade; and what you hoped to achieve is not to complete the assignment. This page should have the title "Introduction" at the top and the first page is not numbered. If you need to go onto a second page, you do not have a title at the top and you number that page 2. Do not put the word "page" in front of the number. You may number either at the bottom in the middle or the top right hand corner of the page. You may choose; just be consistent. This page is double spaced.

INVENTION DESIGN AND CONSTRUCTION:
Describe in detail exactly how you made your invention. Explain what materials were used and how you put them together to make your invention. Don't number the steps as
you might on your display board, but rather make it as readable as a story that you are
telling. Your report should be detailed enough so that someone would be able to repeat
the steps and make your invention. Directions on how to use the invention are also
necessary here. You must include a detailed drawing(s) of your invention. If the
diaigram(s) takes the whole page, place it in your report as the page after the
INVENTION section. It does get a page number, but you don’t list it on the TABLE OF
CONTENTS. Do not tell about your board or how you put together the display. That is
NOT the invention. NO test results go here. Heading at the top of the first page.

DISCUSSION: The discussion is the essence or core of your paper. This section should
be the longest of your report. Be sure to state the results from the product testing that
you completed. Also, describe the three parts of your Market Testing: 1. The selling
price of your invention (how did you calculate it, what is it?); 2. Who did you give the
survey to (demographics), how many people?; 3. From your Market Testing data, who
should be your target groups for sales and advertising? The results and information
should flow smoothly and logically from your data. BE THOROUGH. Allow your
readers to see your train of thought, letting them know exactly what you did. Don't
repeat your design here unless it affects the discussion. Make sure you answer: Is your
invention something that you could market? Heading at the top of the first page.

CONCLUSION: Briefly summarize the results of your Market Testing. Be specific, do
not generalize. Is your invention marketable? Never introduce anything in the
conclusion that has not already been discussed. Heading at the top of the first page.

ACKNOWLEDGMENTS: You should always credit those who assisted you, including
individuals, businesses, and educational or research institutions. Identify any financial
support or material donations received. You may name names here; that's O.K. Write it
in a descriptive manner; must be at least one paragraph of at least three sentences. Be
personable. Heading at the top of the first page.

REFERENCES: Your reference list should include any documentation that you used
for reference. Remember that you are required to have three. Use the form given to you
in class; take care, every comma and period is important. Alphabetize the list, indent
after the first line, and double space in between the entries. Heading at the top of the first
page.

ABSTRACT: An abstract is a summary of your work. It should include these parts:
Invention Name, Problem/Purpose, Procedure and Conclusion. Single space within each
part and double space in between each part. Do not indent the sections; place the
headings to the left and work from them. Example:

Invention Name: The Homework Machine

Problem/Purpose: Homework is difficult to complete on my own. This machine would
complete homework giving individuals more time for play.

Conclusion: My research data proved that the homework machine is marketable and that
the target group would be

Heading at the top of this page; you are limited to one page for an abstract.