

CASTLE SOUTH MIDDLE SCHOOL
SCIENCE FAIR
SCIENCE FAIR REPORT

Font: Times New Roman; titles – size 16 **Bold**, text – size 14

DO **NOT** INCLUDE YOUR NAME ON THE PAPER AND PROJECT THAT WILL BE DISPLAYED FOR JUDGES.

(Gray lines designate a separate page of the report)

Project title

Castle South Middle School
Science Fair
November 29 – December 1, 2017

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List all parts of the report along with page numbers. Each part should be on a separate page.

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Abstract

Do not include bullet points.

- *250 words or less. This is written in past tense and the last two parts can not be finished until the project is finished.*
- *State what the purpose of this your project was: “The purpose of this project was to”*
- *State what they hypothesis was: “The hypothesis was...”*
- *State whether the hypothesis was determined to be correct, partially correct, or incorrect: “The hypothesis was determined to be ...”*
- *Summarize the results to explain why it was correct, partially correct, or incorrect.*

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Introduction

Do not include bullet points.

- *Explain how you got your idea: “I got this idea...”*
- *Explain your topic*
- *Include your research. Research is what you base your hypothesis on. It is what other people have done in this area or what they understand about the subject. Include information, gathered about the project, from: books, magazines, encyclopedias, the internet, interviews of experts in the field in which you are working, or other reliable sources. If you are testing a product, research the product and its history. If you are doing a product comparison, find out the differences between the products. Research should be approximately one page in length, and come from at least three different sources. Research is what you found not where you found it. **Where you found it will be listed in the “Works Cited” section.***
- *Explain what you hoped to achieve in your project.*

Experimental Design

Problem:

Make sure this ends in a question mark (?)

Hypothesis:

An educated guess, based on research; the proposed answer to the problem question. “If ..., then...because...”

Use bullet points.

Materials:

- *If it’s used in the procedure it must be listed here.*
- *List measuring instruments.*
- *Give exact amounts of materials.*
- *List the size, brand, and types of equipment used.*

Variables:

Independent Variable:

(what is being changed on purpose).

Dependent Variable:

(what is being measured).

Constants:

(what stays the same throughout the experiment).

Control:

(the control does not have the independent variable applied; not all projects have a control. If your project does not have a control, state: “There was no control for this project.”).

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Procedure:

1. *Number each step of the procedure.*
2. *List each step of the procedure stating exactly what you did it and how you did it.*
3. *Most steps should begin with a verb (subject is you understood).*
4. *Do not use any personal pronouns.*
5. *Include directions for at least 5 trials or 10 test subjects.*
6. *Include directions for finding an average for the data collected.*
7. *Make sure someone else can repeat the experiment following the steps exactly as given.*

Observations

All data collected during the experiment.

Label clearly and completely:

- *log of daily observations*
- *data tables*
- *graphs*
- *diagrams/models*
- *3 or more photos: photos may not contain faces of experimenters or people tested.*

Results

Results are a summary of your observations written in sentence form.

- *Provide detailed evidence of what you found in doing the experiment.*

Conclusions

- *“The hypothesis, (restate it), was correct (incorrect, or partially correct).”*
 - *Cite data from “Observations” used in deciding whether the hypothesis was correct, partially correct, or incorrect.*
 - *Identify any problems that occurred and what you do to solve these problems.*
 - *State the practical value of your research (who would benefit from learning of the results of this experiment).*
 - *Include what further research could be done, what new questions developed because of your research and how you might try to find answers to these questions.*
-

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Works Cited

Use MLA format.

1. Sources of information should be listed in alphabetical order.
2. Authors names and those interviewed should be written last name first.
3. Titles of books, websites, or names of magazines, should be underlined.
4. Titles of articles in books, magazines, or websites should be in quotation marks.
5. Second line should be indented. (Press “enter” at the end of the first line, press “Tab” then start second line).
6. Place a period at the end of each part, followed by one space.

- If the source was a book, write:
Author. Title. City and state of publication. Publishing company.
Copyright date.
- If the source was an encyclopedia, write:
“Title of article.” Title of encyclopedia. City and state of publication.
Publishing company. Copyright date. Edition. Page number(s).
- If the source was the internet, write:
“Title of article.” Title of website. Date published. Site Sponsor. Date
accessed. <URL>.
- If the source was a magazine, write:
Author. “Title of article.” Title of magazine. Volume number. Edition.
Date.
- If the source was from a personal interview**, write:
Last name, First Name. Type of Interview. Date of Interview.

***Note: Types of interviews include: personal interview, telephone interview, or e-mail interview.*

Acknowledgments

Special thanks to those who helped with my (our) project. *Identify who they are and how they helped.*

- *Thank anyone who helped with supplies or expenses.*
 - *Do not list family members by name.*
 - *Individuals, other than family members, should be listed by name.*
 - *If the individuals occupation or profession relates to the topic selected also list their occupation or title.*
-

Do not include bullet points.

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Appendices (Appendix – singular)

Includes extra information/materials directly related to your topic. Include diagram/instructions for any devices you constructed, consent forms if you used human test subjects and any tests or surveys that you used in gathering data. If you do not have any of these things, then the Appendix is not necessary.