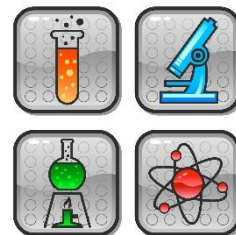


7th and 8th Grade Science Fair

Summer 2015

This summer you will brainstorm your topic, choose an investigative question, and begin to formulate a hypothesis.



Materials/Resources Needed For Science Fair:

1. Composition book to use as a science fair journal
2. Public library card and access to their web site www.sandiego.gov/public-library/
3. Index cards and file box for index cards
4. Printed copy of Science Fair Guide found at http://go.hrw.com/resources/go_sc/hst/HSTGP221.PDF

Science Fair Project Phases/Timeline

(Please note: dates are subject to change)

Refer to recommended pages in the Science Fair Guide found at http://go.hrw.com/resources/go_sc/hst/HSTGP221.PDF

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|--|-------------------------------------|
| <ol style="list-style-type: none"> 1. Generating an Idea <ol style="list-style-type: none"> a. Brainstorm 3 topics (pgs 37-39) <ol style="list-style-type: none"> i. Things you like ii. Questions you have iii. Topic found in books/library/internet sites b. Choose 1 Investigative Question (pgs 39-41) <ol style="list-style-type: none"> i. Write four questions for each of your three topics. ii. Choose your best question (make sure it's testable) iii. Discuss your project possibilities with your parents. iv. Consult your teacher by email (to ensure we both have a clear understanding of your question, please email your final question to ms.silady@stmesc.org.) c. Form a Hypothesis (pg 42) <ol style="list-style-type: none"> i. Read scientific literature about your chosen question. ii. Record bibliography information. iii. Take note cards (you need 60) from each source; save for your research paper. iv. Write a narrow hypothesis that your experiment can answer. v. Consult with your teacher. | <p>June-August</p> <p>September</p> |
| <ol style="list-style-type: none"> 2. Research and Planning 1 (pgs 43-45) <ol style="list-style-type: none"> a. Read about properties of your topic you will test. b. Record bibliography information. c. Take note cards from each source d. Find additional sources such as interview; send Thank You notes | <p>September-October</p> |

- e. Fill in research paper outline
 - f. Consult with your teacher.
3. Research and Planning 2 (pgs 45-46) October
- a. Design a controlled experiment group (control group)
 - b. Define one independent variable and one dependent variable (responding variable)
 - c. Define all the control variables.
 - d. Submit Procedure Plan for teacher approval (pg 47)
 - e. Submit Task List for teacher approval (pg 48)
4. Data Collection November
5. Data Analysis November
6. Research Paper On going
7. Parent Participation: Please see attached form.

Internet Resources

For Ideas:

<http://www.sciencebuddies.org>

Side Bar at www.siladyclass.wordpress.com has many more links

For Science Fair Rules, Forms, Dates:

<http://www.gsdsef.org>

Please detach and submit the following acknowledgement form to Miss Silady by Friday, June 12th.

Summer Science Fair Project Acknowledgement

Parent:

I have read the Summer Science Fair Project Guidelines in this packet. I understand that my child, _____, needs the above mentioned materials to complete this assignment. I also understand that my child needs a printed copy of the Science Fair Guide located at http://go.hrw.com/resources/go_sc/hst/HSTGP221.PDF to use as a reference throughout the summer and next school year.

Parent Signature

Date

Student:

I have read the Summer Science Fair Project Guidelines in this packet as well. I have discussed this with my parent(s) and I understand that I need to work on this in June and July. I will not misplace this packet or the Science Fair Guide that I need to print out from http://go.hrw.com/resources/go_sc/hst/HSTGP221.PDF. If I do misplace these important papers, I understand that it is my responsibility to print out or photocopy from a friend another set. I will bring this packet, the Science Fair Guide, and the above mentioned materials to class on Monday, August 31st.

Student Signature

Date