

Science Research Project Portfolio & Student Interest Survey

Due date: _____

Directions: *You are required to maintain a separate notebook for your Independent Science Research Project. Your notebook will be checked for completeness and order several times during your research. Keep in mind that you will be graded on your notebook setup, so be sure to follow all instructions carefully. As a 9th grader, you are setting this notebook up to be used through 10th grade, so some portions will not be used until you enter 10th grade and complete your project in Biology. Please take good care of this notebook as it will serve you for 2 years.*

What to turn in:

- The binder must be white w/ clear jacket, 2 inch, 3 ring binder with dividers
- Outside Cover Page needs to include the following:
 - Title: Science Research Project
 - Name
 - Academic School Year
 - Current Grade
 - Current Teacher
 - This needs to be typed, Times New Roman, 12 pt. font
- Notebook grading rubric should be placed at the very beginning, before all of the dividers and notebook sections.
- Please label 10 dividers with the following headings in this exact order:

Final Paper- Include the final copy of your SRP paper, including title page, table of contents through the References. (Basically, this is what you have after completing SRP # 13)

Experimental Design- This should include one page with the following information. This information should be Final; the exact information that you take to Fair. (Basically, copy and paste the following information from your final SRP # 1 and/or SRP Paper and put it on one page and put this page behind the divider.) This gives judges a one page look at your experimental design.

- Problem
- Hypothesis
- Independent Variable
- Dependent Variable
- Control/Control Group
- Constants

Materials & Procedures- This should include the final list of materials and numerical procedures. (Basically, the final Materials and Procedures pages from your SRP Paper, which is also listed as SRP # 6).

Results- This section should include the final, revised copy of your results summary & statistical analysis. (Basically, the final results page(s) from your SRP Paper, which is also listed as SRP # 11).

Conclusion- This section should include the final, revised copy of your conclusion. (Basically, the conclusions page(s) from your SRP Paper, which is also listed as SRP # 11).

Data- Include raw data tables, charts, graphs and statistical analyses notes / work.

Research Notes- Include any background information, research notes and articles you collected. Notes on 3x5 inch index cards may be included here as well (if applicable). Reference information should be included with the respective notes. (Basically, this is SRP # 2b).

SRP Work in Progress- All SRP assignment drafts are to be kept here for the duration of your project. Do not remove any of your previous work or grading rubrics.

ISEF Guidelines- Any ISEF instructions and class instructions are to be placed in this section.

ISEF Forms- Include copies of your completed ISEF forms as well as your abstract after the completion of the project. All Human Permission Forms go in this section (if applicable). (Basically, this is SRP #5 and # 12).

Name:

Date:

Period/Block:

Student Interest Survey

Due date: _____

Directions: One factor critical to the success of all science projects is the choice of a topic. This can be the most difficult part of the project and one that must be done immediately. The questions below are designed to encourage exploration of subjects that might be of interest to you. **The time spent working on your project will be more interesting if you choose a topic that you like. In answering these questions, try to narrow down the area or field of science you would like to explore. This document needs to be typed and included in the back portion of your binder labeled “SRP Work in Progress.”**

1. What is your favorite hobby/sport? How do you spend your free time? List at least five things.
2. What is your favorite subject in school? What specific topics do you like within this subject?
3. What labs or activities from previous classes have you enjoyed?
4. What are some of your favorite science topics?
5. What TV shows and/or movies have you seen lately that deal with “science”? What topics were in the show?
6. What interesting books/magazines have you read on a science topic?
7. What careers have you thought about?
8. To what clubs or organizations do you belong?
9. Have your parents ever done or heard of an interesting research project? What was it? (“none” will not be accepted.)
10. List all of the people you know (even remotely) who are scientists or work in a science field. What field do they work in?
11. Who is your favorite scientist? What is he/she famous for?

12. Using the ISEF Categories, pick the top 5 science research categories you are most interested in:
13. Out of the 5 topics selected above: If you were being paid a million dollars to complete one year of actual science research, what problem would you like to look at or examine?
14. What issues or problems have been in the news lately that require research to define answers (list 3)?
15. Pick one issue or problem that is currently happening and explain its impacts and current research that is helping to solve the problem. (This should be at least a 2 paragraph response).

Name: _____
Due Date: _____

Date: _____

Period/Block: _____

**Science Research Project
Portfolio and Student Interest Survey Rubric**

<i>You are required to maintain a separate notebook for your Independent Science Research Project. Your notebook will be checked for completeness and order several times during your research. Keep in mind that you will be graded on your notebook setup, so be sure to follow all instructions carefully. As a 9th grader, you are setting this notebook up to be used through 10th grade, so some portions will not be used until you enter 10th grade and complete your project in Biology. Please take good care of this notebook as it will serve you for 2 years.</i>	Possible Points 100	Your Review Grade	Peer Review Grade	Teacher Review Grade
Notebook – at least 2 inch 3-ring binder with cover page with all 10 sections are labeled on the dividers and in order (3 points for notebook, 10 points for dividers labeled)	13			
Student Interest Survey: All questions are detailed and answered (3 points each question #1-#14)	42			
Question #15 is a 2 paragraph explanation of a recent scientific issue in the media with supported evidence of how scientists are attempting to solve the problem	10			
This Rubric – on time	5			
The assignment completed on time	5			
Total number of points	75			