

# ISEF Deadlines

Reitz High School

Date	Items Required
Sept. 25	<u>Topic, 3 references</u>
Oct. 7	<u>ISEF paperwork/Research Plan, Wizard Results</u>
Oct. 16	<u>Log Book Check</u>
Oct. 22	<u>Literature Review Rough Draft</u>
Oct. 30	<u>Detailed Procedure and Hypothesis</u>
Dec. 10	<u>Data Check 1</u>
Jan. 7	<u>Data Check 2</u>
Jan. 15	<u>Graphs, Stats, Charts, Summary</u>
Jan. 28	<u>Rough Draft including Abstract</u>
Feb. 5	<u>Final Abstract</u>
Feb. 7	<u>Registration Deadline</u>
Feb. 11	<u>Display Board</u>
Feb. 26	<u>Final Paper</u>
Mar. 4	<u>Final Board and Practice Interview</u>
Mar. 12	USI Pott Foundation's Tri-State Science and Engineering Fair <b>Judging in the evening: make no other plans this night!!</b>
Mar. 13	USI Pott Foundation's Tri-State Science and Engineering Fair <b>This is awards night!!</b>
May 10-15	Intel International Science and Engineering Fair in Reno, NV

Helpful forms and websites found at: [www.reitzscience.com](http://www.reitzscience.com)

## **EXPLANATION OF ASSIGNMENTS**

All submitted work should be double spaced and typed.

**Topic/3 references (1 quiz grade)** Topic title and a description of your project. You must turn in your topic question and a hypothesis. Additionally, you must provide 3 references that address your specific topic. This is so you are getting started on your research, and so you make sure that you will like it and it is possible. If your project is a continuation of a previous year's work please state that and be sure to explain how this is different. Remember, most projects will have titles similar to "The effect of \_\_\_\_\_ on \_\_\_\_\_" [\(back to top\)](#)

### **ISEF Paperwork and Research Plan (1/2 test grade)**

Regardless of your science fair status, all students must turn in science fair paperwork. If you are completing a human based project or a project that requires SRC review, your procedure must be extremely detailed and "picture perfect". To determine what paperwork your project requires, visit <http://www.sciserv.org/isef/students/wizard/index.asp> and go through the ISEF forms wizard. Print the final page of the wizard that tells your required paperwork, and turn this in with your completed forms.

You must also at this point turn in your research plan. This is a fairly general plan of your research. In this, you should identify all tests, variables, and approximate target dates and times to complete each step of your procedure. Use the template on the website [\(back to top\)](#)

### **Log Book Check (1 HW grade)**

Your log book should contain 7 sections. This check will make sure that you have your log book set up and ready to receive all work you do on your science fair project. Before any sections, you should have a title page and a table of contents.

- 1) Literature Review
- 2) Bibliography
- 3) Experimental Design
- 4) Data and Analysis
- 5) Conclusions
- 6) Expansion/Applications
- 7) Photos

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### **Literature Review (1/2 test grade)**

A literature review is one of the most important parts of your written report and may be most helpful in answering judge's questions! This is an explanation of work and findings of other scientists related to your topic. You should have AT LEAST 5 sources in this review. Also begin compiling your bibliography as you write this. You should not just have website sources! Find some peer-review journal articles if possible (many are published online).

Your literature review may grow as you do your experiments and get more information and seek out more sources. Remember to always add new information and sources to your literature review and bibliography.

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**Detailed Procedure and Hypothesis (1/2 test grade)** Written in paragraph form, this should be the exact procedure you expect to follow. It should be extremely detailed including information such as concentration of chemicals, quantities of supplies etc. You should also make sure that you cite any sources and that your citations are on your bibliography page. Please include your materials in a list that is separate from your procedure.

Your hypothesis should be written on a separate page. Formulate your hypothesis based on your background research and procedure. Remember: it doesn't matter if it turns out to be right or wrong, but you must have one that you can prove or disprove!

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### **Data Check 1 (1 HW grade)**

At a bare minimum, data charts have been assembled for recording collected data. (I want to see these charts). You should bring your entire log book to this check, and all gathered data should be present in the log book.

Note: Your log book should also include raw data, which may be hand written. But for the check, you should have assembled your data into charts or tables that are typed.

### **Data Check 2 (1 HW grade)**

All data should be collected by now and be placed in appropriate data charts in your log book.

### **Graphs, Stats, Charts, Summary (1 quiz grade)**

The results section should include your raw and averaged data, a verbal summary of the data, as well as your statistical calculations. Completed data charts should be included. This should be typed and double-spaced.

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### **Rough Draft of Research Paper (1/2 test grade)**

Turn in your completed rough draft of your research paper. It should include appendices but does not need to include your abstract. It should be typed and double-spaced. The following parts should be included and should have a table of contents. It should also have a title page.

1. Review of Literature
2. Purpose
3. Hypothesis
4. List of Materials
5. List of detailed procedures
6. Data Page
7. Graphs and Charts
8. Conclusions
9. Practical Applications
10. Works Cited
11. Bibliography

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### **Abstract (1 HW grade)**

This is a one page summary of your entire project. It should be no more than 250 words, and should include the purpose of the experiment, procedures used, data gathered and conclusions drawn. By reading your abstract, a person should get the general idea of your project, including your results. This will be part of your final paper, coming just after the title page and before anything else. This must also be displayed on your board.

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### **Registration Deadline (1 HW grade)**

I RECOMMEND REGISTERING BEFORE THIS DATE. You must register by this date in order to participate in the Pott Foundation Tri-state Science and Engineering Fair. Visit <http://www.usi.edu/science/fair/> to register.

***Print out your registration confirmation and turn it in to get credit for this deadline.***

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### **Display Board (1 quiz grade)**

Bring your finished backboard to school and have it checked by me. On this day, you will set up your board, and stand by it. Your classmates will peer-review your board, and I will also give feedback. This should be in as close to the final product as possible, although realize you may need to make some changes after getting feedback.

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### **Final Paper (1/2 test grade)**

Due at the **BEGINNING** of class. Late papers will be penalized 10% per day. This paper should have all corrections suggested by the teacher made. The rough draft should be turned in with the final draft so I can see the evolution of your paper.

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### **Final Board and Practice Interview (1 quiz grade)**

Bring your final board to school. You are welcome to store it in my room until March 12<sup>th</sup> when you will take it to USI to set up.

You will set up your board, and you will stand by it as you will at USI. You will be asked some practice interview questions both by your peers and the teacher.

### **Participation in Pott Science and Engineering Fair (1 test grade)**

If you participate in the fair, you will receive a 100 for a test grade.

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