

# 2018 Science Fair Information - Hawkins

Science Fair Component	Description	Date Due
<b>Testable Question</b>	3 possible questions that can be answered through an experiment	8/30/18
<b>Hypothesis</b>	A testable explanation of your question that can be supported or disproved by careful procedures. Should only have ONE independent variable!	9/6/18
<b>Partner Permission Forms</b>	If you are choosing partners, BOTH students must turn in a partner permission form signed by a parent/guardian.	9/7/18
<b>Procedure</b>	Write a procedure including a VERY detailed step-by-step description of your experiment. <b>Remember to account for ALL controls, and you should repeat AT LEAST 3 times!</b>	9/12/18
<b>Materials List</b>	Include all materials that you will need for your project - be very specific!	9/12/18
<b>Data Collection Sheet</b>	Design a data collection table - what data will you collect and what will you look for? How often will you collect? Things that are often included are: dates, times, observations, measurements	9/14/18
<b>20 Facts about Topic</b>	Collect 20 facts about your topic - make sure that you write down the websites/books that you used!	9/18/18
<b>Research Plan</b>	Title Page, Question, Hypothesis, Procedure, Materials List, Data Collection Sheet - MUST BE TYPED	9/21/18
<b>Research Paper</b>	A research paper incorporates the facts that you have collected about your topic into a 5 paragraph paper (intro, 3 supporting paragraphs, conclusion)  PLEASE NOTE: This must be a paper written in your own words. Plagiarism will NOT be tolerated - you will receive a ZERO. Do not put yourself in this position!	9/21/18
<b>Bibliography</b>	<ul style="list-style-type: none"> <li>• At least 5 research sources (the sites you used to collect your facts)</li> <li>• Must include the ISEF Rules page (as a 6<sup>th</sup> source) <b>Noodle Tools - <a href="http://www.noodletools.com">www.noodletools.com</a></b> User Name: raarams Password: gorams</li> </ul> <ol style="list-style-type: none"> <li>1. Click on New Project - enter title, MLA, Junior</li> <li>2. Click on Sources (top middle)</li> <li>3. Click create new citation and choose type</li> <li>4. Fill in URL, date of publication (find a date on the web page), Author, Web page Title, Name of website</li> <li>5. Click Submit</li> </ol>	9/21/18
<b>Required Science Fair Papers</b>	<p>All students will need to turn in the following papers:</p> <p style="text-align: center;">#1 #1A #1B</p> <p>Note that ALL signatures and dates must be done in BLUE INK ** You CAN NOT start your experiment until you turn in completed paperwork!</p>	9/24/18

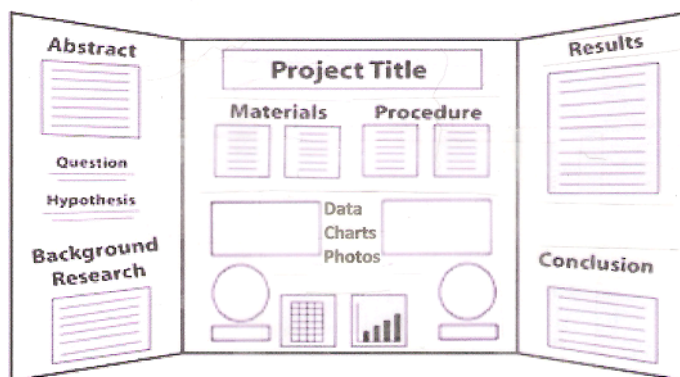
When all previous parts have been completed and approved, **begin your investigation**. Use your listed materials, procedure, and data collection sheet and make good observations.

As you complete your experiment, you should do the following things:

- Fill in your data sheet
- Construct at least one graph and/or chart to graphically display your results.
  - Graphs must have a notation in the lower right hand corner stating who made it and what program you used (Microsoft Word, Excel, etc.)
- Take pictures - no faces!
  - Pictures must have a notation in the lower right hand corner stating who took the picture or where you found it (if it came from a website).
- Write a results page - summary of your data collection **IN WORDS**.
- Conclusion Page - was your hypothesis **SUPPORTED** or **NOT SUPPORTED**? What would you do differently next time? Did you learn anything? If so, what?
- Abstract - a short summary of your experiment (~250 words), typed on the state form. Should contain the purpose, procedures, data summary, and conclusion

**Your experiment should be completed by 10/26/18.**

<u>Science Fair Component</u>	<u>Description</u>	<u>Date Due</u>
Log Book	Title page, table of contents, abstract, research paper, question, hypothesis, materials list, procedure, data collection sheets, results, conclusion, bibliography (see complete summary on our class website)	10/29/18
Display Board	See Below:	10/29/18



**11/8/18 - Raa Science Fair Setup**

**11/9/18 - Raa Science Fair** - Dress appropriately!! Prepare to speak to local scientists about your project.

**February 1<sup>st</sup>, 2019 - Capital Regional Science Fair** - Winners from the school fair will be invited to the Regional Fair, held at the Civic Center (more details provided at a later date)

Student Name: \_\_\_\_\_ Student Phone number \_\_\_\_\_

I will support my student's decision to work with a partner for science fair. I understand that this is a complicated project that will require BOTH students to fully participate. I will provide the necessary transportation and time for my student to complete this project with:

(my student's partner) \_\_\_\_\_

Parent Name: \_\_\_\_\_ Parent Signature: \_\_\_\_\_

Parent Phone Number: \_\_\_\_\_ Parent Email: \_\_\_\_\_

Student Name: \_\_\_\_\_ Student Phone number \_\_\_\_\_

I will support my student's decision to work with a partner for science fair. I understand that this is a complicated project that will require BOTH students to fully participate. I will provide the necessary transportation and time for my student to complete this project with:

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