For science fair forms: https://student.societyforscience.org/forms

Type directly onto the forms, then print them and turn them in with your data for part 4 of the science fair project. **Be sure to get all necessary signatures on all forms <u>before</u> beginning experimentation**.

<u>All students must have these forms:</u>

- ☐ Form 1: Checklist for Adult Sponsor/Safety Assessment
- ☐ Form 1A: Student Checklist/ Research Plan (Write your research plan, do not turn in this printed instruction sheet that is the 2nd page of this form)
- ☐ Form 1B: Approval Form

<u>Additional forms: (see rules to determine which are needed, if any)</u>

- ☐ Form 1C: Registered Research Institutional/Industrial Setting…*for research done at an institution like LSUHSC, LSUS, Centenary, Southern, private lab, etc.)*
- ☐ Form 2: Qualified Scientist
- ☐ Form 3: Risk Assessment…*for projects involving more than minimal risk*
- ☐ Form 4: Human Subjects/Informed Consent… *for dealing with humans even if doing surveys*
- ☐ Forms 5A and 5B: Vertebrate Animal
- ☐ Form 6A: Potentially Hazardous Biological Agents
- ☐ Form 6B: Human and Vertebrate Animal Tissue
- ☐ Form 7: Continuation projects

You may use the American Psychological Association (APA) or Chicago Manual of Style (CMS). Search the Internet for guidelines, if you are unfamiliar. MS Word will automatically format for you.

An example of the format designated herewith is located on Kris Clements' home page and labeled "Ethanol Efficiency"…http://krisclements.com

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Name:_________________________ Period #_____

I am aware that I am (my child is) to prepare a science project and, if selected, will participate in the CMHS science fair on January 25-26, 2018. I am also aware of the project parts, part due dates, and grading criteria. I am aware that falsified data or data from another person's experiment represented as my own is in violation of the honesty policy, and will result in a grade of 0% on all sections of parts IV and V of the project.

______________________________________ ______________________________________

student signature date parent signature date

Part I: Initial Project Proposal (5)

Description	Pts. Possible	Pts. Earned	Due Date
Title is present	1		9/1
Problem/purpose is clearly stated with accurate identification of both dependent and independent variables	2		
Hypothesis predicts expected experimental results	1		
Source of idea is presented (URL if appropriate) and identification of changes to be made in the project by you	1		
Total	5		

Part II: Final Project Proposal (20)

Description	Pts. Possible	Pts. Earned	Due Date
Paper is typed, double-spaced, 12 pt Times New Roman font, 1" margins	2		
Part I original—*and corrected if needed*	5		9/15
Proposed materials list is comprehensive	2		
Proposed experimental design and procedure match the stated problem	2		
Proposed procedure is clear, complete, written in numbered steps	2		
Proposed procedure controls variables and a control group is used where applicable	2		
Scientific, social, and/or economic value of the project is indicated	2		
List of science forms needed for project (forms 1, 1A, 1B, are required for all projects)	3		
Total	20		

Part III: Experimental Design and Background Research (60)

Description	Pts. Possible	Pts. Earned	Due Date
Hard copy of rubric is physically turned in to teacher	2		10/27
Paper is written in past tense, passive voice…no I, you, he, she, they…no present tense	3		
Paper is typed, double-spaced, 12 pt Times New Roman font, 1" margins	5		
Title page contains title, student name, and period	1		
Problem is clearly stated and identifies variables	2		
Hypothesis predicts expected experimental results	2		
Materials list is comprehensive	2		
Experimental procedures match the stated problem, are written in clearly numbered steps, and are complete and replicable	5		
Procedure controls variables, and a control group is used where applicable	5		
Research is at least 3 complete pages, and includes internal citations of at least five specific, credible sources documented in APA or CMS	10		
Research reflects information on theories/laws demonstrated in the experiment, current and previous information about the experiment, and prerequisite knowledge necessary for proper understanding of results	10		
Works cited list/bibliography is in proper APA or CMS and includes all sources cited in the research	6		
Submitted to turnitin.com	7		
Total	60		

Part IV: Data, Conclusion, and Abstract (70)

Description	Pts. Possible	Pts. Earned	Due Date
2-pocket folder & rubric	2		**12/8**
Entirety of Part III is present as hard copy	5		
Paper is written in past tense, passive voice	3		
Paper is typed, double-spaced, 12 pt Times New Roman font, 1" margins	5		
Data is presented in an accurate, appropriate manner in a table…if numerical data is involved, a graph is required	10		
Tables and graphs are properly titled and labeled	5		
At least 4 photographs of experimental processes and results are included, but must not have identifiable persons; in addition, it is required that the student is shown conducting the experiment in one additional photo	10		
Conclusions refer to the hypothesis and are relevant to the experiment and discuss the significance of the results. Analysis of experimental results includes calculations of % yield or % error when possible	10		
Conclusions discuss sources of error in the procedure or data collection and how errors may have influenced results, and includes possible ways to correct sources of error to obtain better results.	10		
Abstract written in past tense, passive voice, is 200-250 words and accurately summarizes the purpose, hypothesis, procedure, results, and conclusions on the abstract form found at www.bpcc.edu/ScienceFair/documents/abstractform.pdf	5		
Correctly completed, signed, and dated science fair forms	5		
Total	70		

Part V: Backboard and Presentation (45)

Description	Pts. Possible	Pts. Earned	Due Date
Backboard is 0.305-0.762 m deep, 0.914-1.22 m wide, and 0.914-2.74 m tall.	2		**1/17**
Title, purpose, hypothesis, materials, procedure, data, and conclusion are present and generally read from left to right.	8		
Contrasting colors and colored mattes for text are used. Display is neat with very little unused board space	5		
Titles, headings, and text are not hand-written. Title and headings are easily read from 4 m away.	5		
Data is presented in tables and graphs (where required) and are easily read from 4 m away.	5		
At least 4 photos of experimental processes and results are displayed…*no photo of identifiable experimenter or subject appears*	5		
Presentation is 3-5 min.	5		
Presentation briefly discusses experimental processes, results, and conclusions	5		
Presenter maintains eye contact and shows evidence of practice.	5		
Total	45		