

CPSA - Student Science Fair Schedule 2018-2019

Assignment	Assignment Description	In Class Due Dates
Learn about IJAS Topic Selection Question/Hypothesis	1. Become familiar with the Illinois Junior Academy of Science . 2. Print policy and procedure manual from IJAS website https://sites.google.com/a/ijas.org/ijas/documents-forms (CPSA Science Fair follows IJAS policy and procedure manual) 3. Search a topic online 4. Identify a topic. 5. You can also find books in your local library on how to find a good/relevant topic to work on for your science fair. 6. Identify the specific question student will be investigating in the project. 7. Identify the hypothesis .	Oct 16 to 19 2018 Due on Oct 19
Materials and Procedures	Provide a detailed list of the materials that will be used to conduct the experiment and the detailed steps that will be followed while conducting the experiment. *Submit \$10(6th grade), \$15 (7th -10th grade) per student for materials and registration to your science teacher. Basic materials and glassware will be provided by the school.	Oct 22 to Oct 25 2018 Due on Oct 25
Research and Bibliography	Provide a detailed list of the sources that will be used for the experimental research. Source requirement: at least 3 offline sources including one encyclopedia.	Oct 29 to Nov 02 2018 Due on Nov 02
Variables and Hypothesis	An explanation of which factors will be changed while conducting the experiment and a hypothesis on resulting impact of the change. Submit the completed abstract sheet to Mrs.Sameena Khan or email it to sameena.khan@cpsaonline.org	Nov 05 to Nov 09 2018 Due on Nov 09
Review of Literature/ Background Information	The Review of Literature is a 3 page, 700 word, minimum paper that includes the following: <ul style="list-style-type: none"> • The Theory behind the topic, including key concepts, terms, and equations (if applicable) • Method: The best techniques for investigating the topic and how they are performed. • History: Have other investigated this topic and what did they find? • Significance: Why is the answer to the question important? 	Nov 12 to Nov 16 2018 Due on Nov.16 <i>(Show it to your English teachers)</i>
Conduct Experiment Data Analysis and Graphs Conclusion Research Paper	Make certain that students do multiple runs of their experiments Minimum Trials: 3 runs of experiment. If students are working with plants, they should have 3 plants for each variable tested. The analysis of the experimental data . The summary of the findings of the experiment. An explanation of the results of the experiment. A paper that collects all the above written assignments in one place plus a short abstract of the project. Mrs. K.Sultana is available to help in conducting experiments on Saturdays. Please sign up in the main office to make an appointment.	Nov 16 to Nov 30 2018 Due on Nov 30
Display Board <i>(In-Class Presentations Begin)</i>	The final project board that will be displayed at the science fair. Students present their projects in front of their class.	Nov 30 -Dec. 07, 2018 for (6-8 grades) Due on Dec 07 Nov 27 -Jan 7, 2019 for (9-10 grades) Due on Jan 07
School Science Fair	The date the students must present their projects to the judges @ CPSA	Jan 10, 2019
Regional Science Fair	Museum of Science and Industry, Chicago, IL	Sat & Sun March 2-3, 2019