

Invention Project Due Dates

	Log Book Pages	Instructions	Check When Complete
October 9	Problem Finding Wonderings	Brainstorm problems that you have encountered and survey other people to find out what bugs them too. At least <u>four</u> ideas should be yours and at least <u>two</u> from other people.	
October 22	Problem Selection Proposal Form Promise Page	See if your idea has PROMISE. Write the “problem” that you will be investigating and answer the questions. (It should involve a project that you can investigate by yourself.) If you can, you have an idea that might make a clever invention. Once your idea has been approved by your teacher, you MUST explain your idea and get parent approval.	
October 25	Mentor Form & Letter	You MUST have a mentor for your project. You need someone you can go to for help outside of school. You MUST write a formal letter to your mentor. A copy of this letter MUST be turned into your teacher.	
November 12	Purpose	Then write a purpose for creating your invention (why you are doing it and what you hope to learn; several sentences). Must be approved by teacher.	
	Research Planning	You should create specific questions about your project to help guide your research. It is important that you use appropriate search words to help find what you are looking for.	
	Research Notes (minimum of <u>two</u>)	Research background information about your topic/ invention using books, magazines, internet, interviews with professionals, etc. You will need to research if your invention has already been created, if so, what are you going to do to make it your own?	
	Research Summary Report	Finally, use your notes to write a summary report sharing what you learned about similar products and materials you will use. <u>You should create a different paragraph for each source you include.</u>	
	References	Create a list of references you used for research. Remember to include URL, date accessed and site author or organization.	
December 3	Prototype Illustration	Based on your research and any background knowledge, sketch out ideas and possible problem solutions. Make sure your drawing shows all parts, and each part is clearly labeled.	

ALL building, testing and revising of inventions should be completed by Jan. 15, 2019.
(See due dates on back)

Due Dec. 17th	Action Steps	Write a step-by-step procedure to create your invention. This should describe IN <u>DETAIL</u> how you will design your prototype.	
	Materials	You should also include a list of materials that you will need to build your invention.	
Don't forget to take pictures			
Due Jan. 15th	Activity Log (Completed Building & Testing)	In this section you will create dated entries for each work period. Describe any work you did and what successes or challenges you faced during the work period.) Before you begin designing your prototype, create a chart in which you will record your data.	
Due Jan. 24th	Data Collection (Survey)	Create a survey to get information about your invention. Be sure to survey at least 10 people.	
	Organizing Data	Compile your data. For each question with a numbered response, find the AVERAGE/MEAN score.	
Don't forget to take pictures			
Due Jan. 31st	Conclusion	What can you conclude about your product based on the feedback? Do you feel your invention was a success and why or why not? Think about <u>specific data</u> you can include that supports your claim. Was your invention helpful? (consider: your target audience) Make sure you have data to support your conclusions.	
	Project Reflection	Tell what you learned from completing this project. What challenges or problems did you face? How did you solve problems while completing this project? What might you do differently or better if you continued to work on improving this project? Explain the design decisions you made. It is here that you will identify the requirements and limitations of your invention. It will be at this time that you explain how you might further investigate your problem or what you might do differently.	
	Completed Log Book	Your completed activity log and FINAL design drawing, materials, procedures, etc...need to be included. This is what the judges will read.	
Due Feb. 7th	Back board & Display	Construct a display board sharing information about your investigation. It should be NEAT and CREATIVE and really showcase your project and what you have done. See the checklist on the next page for all that should be included on your display board. Your display board may be completed at home or school.	
	Completed Projects	Display board, log book, final paper, and any other necessary items needed for your project to be judged (prototype).	

***Students may work ahead and turn pages in before due dates. :)**

****We encourage students to complete their invention early so they have time to redesign and make improvements before the final due date.**