

Student Name: \_\_\_\_\_

Teacher Name: \_\_\_\_\_

Complete this checklist to make sure you have all the important parts of your STEM Project. You can ask a friend, parent, teacher, or STEM Coach to help you do the checklist. If there is something you do not understand, ask your teacher, Ms. Dozier, or Mr. Peterson to help!

Poster Content	No	Yes	I need help
1. My project has a <b>title</b> .			
2. I listed <b>authors</b> for the project.			
3. I asked a research <b>question</b> .			
4. I gave <b>background</b> to understand the question.			
5. I have a testable <b>hypothesis</b> .			
6. I listed <b>materials</b> used in the study.			
7. I described <b>methods</b> so that you could repeat them.			
8. I listed all 3 kinds of <b>variables</b> (controlled, independent, and dependent).			
9. I presented clearly labeled <b>data</b> (e.g., graph, table, pictures)			
10. I summarized results in a <b>conclusions</b> section, and compared the results to my hypothesis.			
11. My <b>future directions</b> section describes what I would do differently next time.			
12. I listed <b>references</b> in a way that you could find them again.			
13. I <b>acknowledged</b> people who helped and how they helped.			

Journal Content	No	Yes	I need help
1. My journal has a <b>table of contents</b> and my journal pages are <b>numbered</b> .			
2. I <b>brainstormed</b> about possible topics.			
3. I have notes about <b>background information</b> on my topic.			
4. I wrote down where I found information ( <b>References</b> ).			
5. I wrote down my prediction ( <b>Hypothesis</b> ).			
6. I made a step-by-step plan ( <b>Procedure</b> ).			
7. I wrote a list of <b>materials</b> needed, and I was specific.			
8. I listed my <b>variables</b> (controlled, independent, and dependent).			
9. I made <b>observations</b> (words, pictures, and/or graphs).			
10. I made <b>lots</b> of observations (more than 1 trial or date).			
11. I looked for <b>patterns</b> , and explained my <b>results</b> .			
12. I summarized results, looked for the <b>main idea</b> .			
13. I <b>compared</b> my results to my hypothesis.			
14. I wrote about what I would do <b>next time</b> , to improve the experiment or take the next step.			
15. I wrote about <b>why</b> people should be interested, or how the results <b>apply</b> to the real world.			

Oral Presentation	No	Yes	I need help
1. I have a <b>3 minute explanation</b> of my project.			
2. I can <b>answer questions</b> about my project.			
3. I can explain <b>why I chose</b> this project.			
4. I <b>understand</b> my project.			

Visual Presentation	No	Yes	I need help
1. My poster is well <b>organized</b> .			
2. My poster is <b>neat and tidy</b> .			
3. I checked my poster for grammar, punctuation, capitalization, and spelling <b>errors</b> .			
4. I have things to <b>show</b> my experiment (like drawings, photographs, props, display).			

Scientific Merit	No	Yes	I need help
1. I have <b>controlled variable(s)</b> that stayed constant across conditions.			
2. I manipulated <b>one independent variable</b> .			
3. I observed relevant changes ( <b>dependent variables</b> ).			
4. I did the experiment <b>more than once</b> OR used <b>more than one</b> participant.			