**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_**

**Independent Project Topic Approval**

***THE TOPIC:***

***1. Question: What is the question that you are trying to answer or the problem that you are investigating? What is your working title at this point in time?***

***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

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***THE RESEARCH PAPER:***

***2.) You will need to look up, understand, and paraphrase information for the research part of your science project. What are the related topics that you will are researching that relate to your topic, problem or question? What will you are learning about and what you will be including in your research paper?***

***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

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***THE EXPERIMENT***

***3.) Independent Variable(s): What will you be changing? How will you make this change? How will you measure it?***

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***4.) Dependent Variable(s): What do you think you will be measuring? What are you hoping that you will see? What changes do you think that you might see?***

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***5.) Controlled Variables: What constants will you try to maintain? What possible factors might cause problems that you have to deal with and keep constant?***

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***6.) Control Group (if it applies to your project): Do you have a defined control group? If so, then what is it? Explain.***

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***7.) Experimental Group (if it applies to your project): Do you have a defined experimental group? If so, then what is it? Explain.***

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***8.) Materials needed (include quantities): To conduct your experiment you need to think of what you need, if you can get it, and also where you can get the materials. Make a “shopping list”.***

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***9.) Procedure (# steps): Try and describe your steps. What process will you go through in your controlled experiment?***

***a.)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

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***10.) List any possible hazards that may be encountered in your research AND list the extra paperwork that you will need to fill out due to these hazards.***

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**TEACHER PERMISSION ATO BEGIN EXPERIMENTATION:**

\_\_\_\_\_\_\_ All state papers have been submitted and returned with appropriate signatures.

\_\_\_\_\_ This project did **NOT** need IRC approval

\_\_\_\_\_ This project **DID need IRC** approval

\_\_\_\_\_\_ paper work was submitted and has been accepted by the IRC

\_\_\_\_\_\_ You **MAY NOT** proceed with your experimentation until \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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\_\_\_\_\_ You **MAY** proceed with your experimentation as described above:

**APPROVAL TO PROCEED \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**