Any significant changes made to the research plan/project summary after beginning should be reviewed and approved by the teacher, coordinator or SRC/IRB as applicable.
Tools: List all tools to be used for construction, set-up or data collection. Attach additional pages as needed.
Regional Science and Engineering Fair
Student Research Plan/Project Summary

Procedures: Detail all procedures (list format) and experimental design to be used for data collection. If you use a kit or any type of ready-to-use or assemble system, the procedures MUST be detailed here. Attach additional pages as needed.

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Student Research Plan/Project Summary

Data Analysis: Describe the procedures you will use to analyze the data/results that answer research questions or hypotheses. Attach additional pages as needed.

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Student Research Plan/Project Summary

Bibliography: (APA Format) List at least five (5) major references (e.g. science journal articles, books, internet sites) from your literature review. If you plan to use vertebrate animals, one of these references must be an animal care reference. Human studies and PHBA studies must include one of the ISEF suggested references. All bibliographies must include the ISEF rulebook and the RSEF rulebook, for a total of seven (7) sources. Attach additional pages as needed.

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Student Research Plan/Project Summary  

<table>
<thead>
<tr>
<th>Human Participants Research. Complete ALL of the following. (pp. 5-6)</th>
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<td><strong>Participants:</strong> Describe who will participate in your study (age range, gender, racial/ethnic composition). Identify any vulnerable populations (minors, pregnant women, prisoners, mentally disabled or economically disadvantaged). Attach additional pages as needed.</td>
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<tr>
<td><strong>Recruitment:</strong> Where will you find your participants? How will they be invited to participate? Attach additional pages as needed.</td>
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### Regional Science and Engineering Fair
### Student Research Plan/Project Summary

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<tr>
<th>Methods:</th>
<th>What will participants be asked to do? What is the frequency and length of time involved for each subject? Will you use any surveys, questionnaires or tests? Attach copies of surveys/tests.</th>
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<tr>
<th>Risk Assessment:</th>
<th>What are the risks or potential discomforts (physical, psychological, time involved, social, legal, etc.) to participants? How will you minimize the risks? Attach additional pages as needed.</th>
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<tr>
<th>Benefits:</th>
<th>List any benefits to society or each participant. Attach additional pages as needed.</th>
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Regional Science and Engineering Fair
Student Research Plan/Project Summary

Protection of Privacy: Will any identifiable information (e.g., names, telephone numbers, birth dates, email addresses) be collected? Will data be confidential or anonymous? If anonymous, describe how the data will be collected anonymously. If not anonymous, what procedures are in place for safeguarding confidentiality? Where will the data be stored? Who will have access to the data? What will you do with the data at the end of the study? Attach additional pages as needed.

Informed Consent Process. Describe how you will inform participants about the purpose of the study, what they will be asked to do, that their participation is voluntary and they have the right to stop at any time. Attach additional pages as needed.

Vertebrate Animal Research. Complete ALL of the following. (pp 7-8)

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Regional Science and Engineering Fair
Student Research Plan/Project Summary

| Discuss potential ALTERNATIVES to vertebrate animal use and present a detailed justification for use of vertebrate animals. Attach additional pages as needed. |

| Explain potential impact or contribution this research may have. Attach additional pages as needed. |

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How will you minimize potential discomfort, distress, pain and injury to the animals during the course of experimentation? Include details of chemical concentrations and drug dosages. Attach additional pages as needed.

Detail animal numbers, species, strain, sex, age, source, justify the numbers planned for the research. Attach additional pages as needed.

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### Regional Science and Engineering Fair
### Student Research Plan/Project Summary

Describe housing and oversight of daily care. Attach additional pages as needed.

What will happen to the animals at the end of the study? Attach additional pages as needed.

Potentially Hazardous Biological Agents. Complete ALL of the following. (p. 9)

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## Regional Science and Engineering Fair
### Student Research Plan/Project Summary

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<th>Description</th>
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<td><strong>Describe Biosafety Level Assessment process and resultant BSL determination. Attach additional pages as needed.</strong></td>
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<tr>
<td><strong>Give source of agent, source of specific cell line, etc. Attach additional pages as needed.</strong></td>
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<td><strong>Detail safety precautions. Attach additional pages as needed.</strong></td>
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Regional Science and Engineering Fair
Student Research Plan/Project Summary

Discuss methods of disposal. Attach additional pages as needed.

Hazardous Chemicals, Activities & Devices. Complete ALL of the following (p. 10)
Describe Risk Assessment process and results. Attach additional pages as needed.

Detail chemical concentrations and drug dosages. Attach additional pages as needed.

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Regional Science and Engineering Fair  
Student Research Plan/Project Summary

Describe safety precautions and procedures to minimize risk. Attach additional pages as needed.

Discuss methods of disposal. Include name of disposal service, and how materials are handled before and after pickup. Attach additional pages as needed.

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