

Form B: Research Plan – 1 per team, 2 pages

Please use an additional piece of paper or word document if you need more room. If needed, you can merge PDFs together online for free. Handwritten plans must be easy to read. Please email your regional chair or middleschool@scifair.com with any questions.

Student Name(s) _____

Project Title _____

Choose something about 5 words long that describes your project. This can be updated later.

Adult Sponsor Name (may be teacher) _____

Adult Sponsor Phone _____ Adult Sponsor Email _____

1. What is the **Question** you are addressing or **Problem** you will solve?
What is your project about?

2. **Hypothesis or Possible Solution:**

For example, *if I do (THIS) then (THIS) will happen* OR *A possible solution is...*

PROJECT TIPS: A strong project covers all the steps below. Check your plan against this list:

- ☐ Defines a clear question or problem and explains its significance.
- ☐ Includes background research using at least three reliable sources.
- ☐ Includes a detailed plan with variables, controls, and/or repetitions.
- ☐ Tests the experiment or prototype multiple times to ensure reliability.
- ☐ Collects and analyzes data using graphs, tables, etc.
- ☐ Draws conclusions supported by collected data and discusses feasibility and implications.

3a. **Materials List:**

Be specific – include quantities, specific product names, consider including a diagram for engineering or physics projects.

3b. **Where will you do your experiment?** Home School Both Other: _____

4. Methods or Procedure:

TIP: write step by step instructions like a recipe. Projects should include *at least* 5 steps. Someone else should be able to copy what you did by reading the steps.

5. If your project **involves any risks** beyond normal day-to-day activities for your age, please describe here and include any precautions or supervision. Examples include giving surveys, using tools, cooking or baking, repetitive motions, or extreme movement or exercise.

- ☐ **If your project involves HUMANS other than you and your teammates**, include details here about how you will recruit participants for your study, keep them safe, and manage personal data. **Form C** must also be filled out and submitted for approval.
- ☐ **Form D** must be filled out if your project includes 'yellow zone' risks that require additional adult supervision, see the Manual for details. Include information on how you will be supervised.

STOP AND CHECK! Answer the following questions:

- ☐ **Does your project involve HUMANS other than you and your teammates?** If yes, fill out and submit **Form C**.
- ☐ **Does your project require additional supervision and potential hazards?** See Manual for more details. If yes, fill out and submit **Form D**.

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- ☐ **Does your project involve additional adults as mentors, beyond your teacher?**
 - ☐ **Is your project a topic that you worked on in a past science fair year?**
 - ☐ **Did you use generative AI for your project work?**

If you answer yes to any of these 3 questions, fill out and submit **Form E**.