Science Fair Project Proposal (One per group) **DUE** \_\_\_\_\_\_\_\_

Partner #1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Partner #2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**A. Choosing a Partner (optional):** If you’d like a partner please choose WISELY!

Did you ask yourself/partner: (Please put an X if you have a partner. If not, skip.)

\_\_\_\_\_ Can you work closely with him/her until January (and possibly beyond)?

\_\_\_\_\_ Do your schedules work so that you are able to meet outside of class?

\_\_\_\_\_ Is it okay with your parents to work with this person?

\_\_\_\_\_ Do you trust him/her to help with half the work?

**B. Topic Choices** Did you: (Please X on the line)

\_\_\_\_\_ Go to [www.sciencebuddies.org](http://www.sciencebuddies.org) its a great place to start! Try the “Topic

Selection Wizard” and the computer will choose a best fit for you!

\_\_\_\_\_ Choose something you are truly interested in.

\_\_\_\_\_ Consider the time of year. (eg. If you need to be outside to collect data, do

it before the snow hits!)

\_\_\_\_\_ Check if you have ONE independent variable (one factor you are testing)

\_\_\_\_\_ Check if you have a dependent variable (MUST be able to MEASURE it)

\_\_\_\_\_ Determine if it is possible to control the necessary variables in order to

make it a fair test

\_\_\_\_\_ Check that your variables work! Fill in the blanks and make sure it makes

sense.

How does \_\_\_\_\_(independent variable)\_\_\_\_\_ affect \_\_\_\_\_(dependent variable)\_\_\_\_\_?

**C. Big No-Nos** My project has: (Please X on the line)

\_\_\_\_\_ No consumption of food or drink (eg. no energy drink testing)

\_\_\_\_\_ No cruelty to humans (eg. sleep deprivation) or animal subjects

\_\_\_\_\_ No explosives , firearms, weapons, pesticides, or hazardous (including

biological) materials

\_\_\_\_\_ No surveys of preference (eg. Which is better, Coke or Pepsi?)

\_\_\_\_\_ No product testing (eg. Which shampoo/gum/moisturizer/etc. is best?)

\_\_\_\_\_ Nothing blatantly obvious (eg. Do plants grow better in light or dark?)

**Project Summary:**

|  |  |
| --- | --- |
| **Title of Project** (Try to make it interesting/funny/creative/catchy) |  |
| **Independent Variable** (What factor are you testing? 1 only) |  |
| **Dependent Variable** (What are you measuring for your results? What are your units? 1 only) |  |
| **Control Variables** (What stays the same throughout? List AT Least 5. Try for 10) |  |

1. **What question** are you going to answer? (What is your topic?) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. **Why** do you think this is an important topic to research? (Why does it matter? What would it help solve?) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Before you start your project, you will need some background research on your topic. Find 3 possible resources (books, websites). (NO WIKIPEDIA or “answers.com” type of sites)
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What is your **hypothesis**? (What do you think you are going to find out?) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Using the numbered steps, outline the **procedure** for your project. How will you get your results? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What **materials** will you need for your study or experiment? (Be specific - amounts/sizes/cost. Be sure you can afford it and know where they can be found or purchased. KVMS cannot provide consumable materials.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. What help will you need from your parents? (Supplying materials, setting up, etc.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. FOR PARENTS/GUARDIANS:

**IMPORTANT:**

|  |
| --- |
| Adult supervision may be required due to safety concerns (depending on project). Please review the chosen topic carefully and ensure all safety precautions are taken. I**f you are NOT comfortable with the chosen project, please do not sign below.**  Please visit [www.sciencebuddies.org](http://www.sciencebuddies.org) to help your student choose a more appropriate project. |

Suggested timeline:

Partner and Questions due **OCTOBER 2**

Hypothesis due **OCTOBER 22**

Submit proposal by **NOVEMBER 2**

Checkpoints **NOVEMBER 13**

**NOVEMBER 27**

**DECEMBER 11**  
Complete display board by **JANUARY 15**

Science Fair **JANUARY 27**

#1) I \_\_\_\_\_ (Parent Name)\_\_\_\_\_, give my student \_\_\_\_\_\_\_ (Student Name)\_\_\_\_\_\_, permission to do the above science fair topic on \_\_\_\_\_\_\_\_(Summarize Topic)\_\_\_\_\_\_\_.

I am aware that the school science fair is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **and in class presentations are** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Parent signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

#2) I \_\_\_\_\_ (Parent Name)\_\_\_\_\_, give my student \_\_\_\_\_\_\_ (Student Name)\_\_\_\_\_\_, permission to do the above science fair topic on \_\_\_\_\_\_\_\_(Summarize Topic)\_\_\_\_\_\_\_.

I am aware that the school science fair is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **and in class presentations are** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Parent signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. FOR TEACHER

I approve the above science fair topic and project proposal. Any significant variations in topic or procedure must be discussed with me and the reapproved. This sheet must be included in your final science fair report folder to show you stuck to your approved plan.

Teacher signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_