

Raa Science Fair Planning and Approval Sheet

Ms. Hawkins

Name: _____ Period: _____

1. Identify 3 testable questions:

Remember that a testable question should be something that you can test and find the answer to through an investigation. It should also be answering a problem that we have in society – why would we care about the answer to this question? The following website has some interesting questions if you're having trouble, but try to come up with something original!

<https://www.sciencefaircentral.com/students/scientific-projects>

Question 1:

Problem in Society that this question addresses (why do we care about answering this question?):

Question 2:

Problem in Society that this question addresses (why do we care about answering this question?):

Question 3:

Problem in Society that this question addresses (why do we care about answering this question?):

Question Chosen: _____

Teacher Notes:

2. Write a hypothesis for your chosen question (Please note that this is a TENTATIVE hypothesis):

What I will change (independent variable) – Remember that you should only change ONE THING:

What will stay the same (controls): _____

What I will measure (dependent variable): _____

My hypothesis (in the correct format!!):

Approved Not Approved Teacher Initials _____ Date _____

3. Design a Procedure – Remember that you should account for ALL controls in your procedure:

What things will need to be controls (stay the same)? _____

Steps in my procedure (write as a NUMBERED LIST): _____

4. Materials List (what will I need for my project?):

Approved Not Approved Teacher Initials _____ Date _____

6. Data Collection - How will you know if the change you made had an effect? (What data will you collect and what will you look for? How often will you collect this data?)

Approved Not Approved Teacher Initials _____ Date _____

5. Validation:

- My project is safe
- I can get the materials
- I have enough time to build, test, and report the project
- My project will not harm organisms
- My project will not harm or bother other people

Student Signature: _____

Date: _____

Parent Signature: _____

Date: _____