2019 Hilldale School Science Fair Project Proposal
Grades 3 - 8
DUE 9/16/19 (to be returned by teacher 9/20/19)

Student Name: _____ Grade: _____

Project Type 3rd-8th: (please circle)

Experiment (all variables are controlled) Scientific Study (only selected 8th Graders)

PURPOSE (QUESTION): (What scientific question do you want to research and understand further? This MUST be something that is testable).

_____

_____

What is your manipulated (independent) variable? (What part are you changing?)

_____

What is your responding (dependent) variable? (What part is reacting to what you changed?)

_____

What is the control group? (What trial, that you didn't change, is neutral/ natural - so you can compare everything else to it?)

_____

What other aspects will you keep constant? (What specific details are you keeping the same?)

_____

What is your operational definition? (How are you going to MEASURE the change specifically? Remember to use the metric system.)

_____

Project Title: (if known) _____

□ Approved by teacher □ NOT Approved by teacher

If idea is rejected, teacher's reason or suggestion on how to get project approved:_____

_____

_____

FOR PARENTS: *I am aware of this project and understand that this should be my child's work and not my own, and am willing to guide him or her to achieve a successful science fair project.*
Parent Signature: _____

EXAMPLE

Hilldale School Science Fair Project Proposal
Grades 3 - 8

Student Name: Joe Schmoe Grade: 5

Project Type 3rd-8th: (please circle)

Experiment (all variables are controlled) Scientific Study (only 6-8th Grades can choose)

PURPOSE (QUESTION): (What scientific question do you want to research and understand further? This MUST be something that is testable).

What effect does fertilizer have on plant growth?

What is your manipulated (independent) variable? (What part are you changing?)

The type of fertilizer that I am using is my manipulated variable.

What is your responding (dependent) variable? (What part is reacting to what you changed?)

The growth in vertical height of the plants is my responding variable.

What is the control group? (What trial, that you didn't change, is neutral/ natural - so you can compare everything else to it?)

The plant that does not receive any fertilizer is my control group.

What other aspects will you keep constant? (What specific details are you keeping the same?)

I will use the same type of plants. I will keep the light, temperature, and time of day that I record the results the same. I will also keep the amount of fertilizer and water I use the same.

What is your operational definition? (How are you going to MEASURE the change specifically? Remember to use the metric system.)

I will measure how tall each plant grows vertically in centimeters.

Project Title: (if known) The Fertilization Factor

□ Approved by teacher □ NOT Approved by teacher

If idea is rejected, teacher's reason or suggestion on how to get project approved:_____

_____

_____

FOR PARENTS:
I am aware of this project and understand that this should be my child's work and not my own, and am willing to guide him or her to achieve a successful science fair project.

If approved, Parent Signature: _____