

Approved?: Yes No Date _____

Name _____ Per. _____

Teacher: _____

Partner _____ Per. _____

Parental Approval: _____

_____ Per. _____

SCIENCE SYMPOSIUM PROPOSAL

Check one

Invention:

Description of your invention and explanation of the problem it will solve: _____

Science Fair:

Question/Problem you are going to test using the scientific method: _____

Your question should be be phrased like this:

What is the effect of (Manipulated variable) on (Responding variable) ?

EXAMPLE: What is the effect of (fertilizer) on (plant growth)?

Identify Your Variables

<u>Manipulated Variable</u> What will you manipulate (change) on purpose in your experiment?	<u>Responding Variable</u> What will you be measuring? What will "respond" to the change in your manipulated variable?	<u>Control(s)</u> What will you need to control (keep the same in all trials) to ensure a fair test?

----- 8TH GRADERS ONLY -----

Career:

Science career you are going to research/interview/job shadow. Name of person you are interviewing:

Service Learning:

Project description (include the problem, need or concern your project is addressing). Who is your community partner? : _____

Science Experiment/Invention Questionnaire:

1. Does your plan include or require the use of flammable materials or potentially dangerous tools?

Yes _____ No _____

*If **YES**, you **MUST** have your parent's permission **IN WRITING** to approve the use of these items. Please submit a note from your parent.

2. Does your plan include testing or surveying people? Yes _____ No _____

*If **YES**, you **MUST** have a parent permission slip from each participant.

3. Does your plan include using humans or vertebrate animals? Yes _____ No _____

If **YES**, you **MUST** complete and submit a LSRC form to the LSRC committee **and** get approval **BEFORE** you start your experiment.

BACKGROUND RESEARCH

What are the **KEY TERMS** you should research so you have a better understanding of your project?

KEY TERMS:

_____	_____
_____	_____
_____	_____

List of sources (Websites, encyclopedias, newspaper articles, etc...). A minimum of one resource must be a book with specific pages where information was found. If websites are listed, you must provide URLs for specific pages where information was found. (Do **NOT** list general sites like Google.com. and do **NOT** reference Wikipedia.)

Background Research Sources:

#1: _____

#2: _____

#3: _____