

North Carolina Elementary and Middle School Science Fairs Scientific Review Committee (SRC) Research Plan & Approval Form

All Students Must Complete and turn in for review PRIOR to beginning experiment!

NOTE: Grades K-8 students must use this form or the official ISEF Forms (1,1A, and 1B) to participate in NC Regional and State Science Fairs and be approved by a local SRC committee.

Student's Name _____ Grade _____ Phone _____

Teacher's Name _____ Phone _____

Teacher's Email _____

School _____

School Address _____

Project Title _____

Where will the project be completed? _____ Research Institution _____ School _____ Field _____ Home _____

Parent or Guardian Signature _____ Date _____

Qualified Scientist/Adult Sponsor _____ Phone _____

A qualified scientist is someone working as a scientist or engineer in the field of study/research. (Complete if required)

All Students Must Complete and turn in for review prior to beginning experiment!

RESEARCH PLAN using either the scientific method or engineering process (submit an additional sheet):

- 1) Question being addressed or define the need. Why are you doing this study?
- 2) Hypothesis. Problem, or establish design criteria.
- 3) Detailed description of the methods and procedures to be used, what type of data you expect to collect, and how you will analyze your data. This must include chemical concentrations, drug doses, number of experiments to be run, etc. For engineering projects – prepare preliminary designs.
- 4) Bibliography/References including at least three major reviews (i.e., peer reviewed journal articles, books) from your library search. If you plan to use animals, an additional reference regarding animal care must be included. (If using internet resources, suggest using .edu and .gov sites for accuracy.)

APPROVALS*:

Teacher Approval: _____ **Date:** _____

Teacher may approve if projects do not involve any of the items listed below. If any questions, complete ISEF Form 3 – Risk Assessment or contact src@sciserv.org.

*If you are working with ANY of the following items, you must have a “Qualified Scientist/Adult Sponsor” to supervise your work and **be approved by a local SRC Committee BEFORE beginning experiment:** **Non-Human vertebrate animals, Human/Animal Tissue, Recombinant DNA, Pathogens, Human Subjects, Controlled Substances, Hazardous Substances or Hazardous Devices.** You must also use the ISEF Rules Wizard at <http://www.sciserv.org/isef/students/wizard/index.asp> to determine forms that may be required for your research (see list below)!

- Projects using Hazardous Chemicals, Activities or Devices or using Regulated Substances:** Attach completed ISEF Form 3.
- Projects involving Human Subjects:** Attach an unsigned sample of the Consent Form and the completed and approved by IRB committee ISEF Form 4 – Human Subjects and Informed Consent Form.
- Projects using Micro-organisms:** Attach completed ISEF Form 2 – Qualified Scientist and Form 6A – Hazardous Agents Potentially
- Projects involving Vertebrate Animals:** Attach completed ISEF Form 5(A and/or B) – Vertebrate Animal Form to show that the project is approved if needed, supervised by animal care expert.
- Projects involving Potentially Hazardous Biological Agents:** Attach completed ISEF Form 6A and/or 6B.

Local SRC Approval: _____ **Date:** _____

(REQUIRED IF HUMANS, VERTEBRATE ANIMALS, AND/OR HAZARDOUS MATERIALS USED)
(SRC Comments/Requirements should be listed on an attached page)

****If the local committee has questions, please contact the regional director, state director, or any of the ISEF SRC Officials listed at http://www.societyforscience.org/isef/aff_fairs/aff_review.pdf**