

## **HELP Form (1) – Checklist for Adult Sponsor**

**Adult Sponsor:** This individual must have a solid background in science and should have close contact with the student during the course of the project. The Adult Sponsor is usually the student's science teacher, but the sponsor can also be a professor, and/or other professional scientist. In rare cases, the adult sponsor is the parent (as long as the parent has a solid background in science and a science teacher is not mentoring the student through the process).

The Form #1 example has the required minimum boxes checked for ALL projects. If the project involves humans, vertebrate animals, potentially hazardous biological agents (microorganisms, rDNA, and tissues), chemicals, hazardous activities/devices, other boxes must be checked off on the form to indicate this. Projects performed at a regulated research institution/industrial setting are also noted on this form, as well as continuation projects.

### **Humans: Questions 4/6**

- Rules: Handbook - International Rules and Guidelines 2013 pgs. 8-10
- Risk Assessment Guidelines: <http://www.societyforscience.org/document.doc?id=40>
- HELP: Most human participant studies require preapproval from an Institutional Review Board (IRB) and informed consent/assent from the research participant. The IRB consists of a medical or mental health professional (a psychologist, medical doctor, licensed social worker, licensed clinical professional, counselor, physician's assistant, or registered nurse), an administrator (usually the principal), and another science teacher. The PPRSF does have an IRB board (minus the administrator) and can approve your project if needed.

### **Vertebrate Animals: Questions 4/6**

- Rules: Handbook - International Rules and Guidelines 2013 pgs. 11-13
- Guidelines: An animal care sheet is required for all vertebrate animals.
- Care sheets for common animals:
  - <http://www.healthypet.com/KidsKlub/CareSheets.aspx>
  - [http://www.petco.com/CareSheets/petco\\_CareSheets.aspx](http://www.petco.com/CareSheets/petco_CareSheets.aspx)
- HELP: Adult sponsors are expected to have reviewed the rules governing vertebrate projects with the student participant.
- SRC REQUIRED: All projects involving vertebrate animals must be approved by the PPRSF SRC committee and adhere to the rules. The SRC includes a biomedical scientist (earned doctoral degree, such as Ph.D., M.D., D.V.M., D.D.S., Phar.D., or D.O.) and at least two science educators. Failing to do so will result in disqualification.

### **Potentially Hazardous Biological Agents: Microorganisms, rDNA, Tissues: Questions 4/6**

- Rules: Handbook - International Rules and Guidelines 2013 pgs. 14-17
- HELP: All projects in this category are prohibited from experimentation at home to include mold and fungus.
- BSL1 Safety Checklist Guide: <http://www.societyforscience.org/document.doc?id=330>
- BSL2 Safety Checklist Guide: <http://www.societyforscience.org/document.doc?id=435>
- SRC REQUIRED: All projects involving hazardous biological agents must be approved by the PPRSF SRC committee and adhere to the rules. The SRC includes a biomedical scientist (earned doctoral degree, such as Ph.D., M.D., D.V.M., D.D.S., Phar.D., or D.O.) and at least two science educators. Failing to do so will result in disqualification.

**Regulated Research Institution/Industrial Setting: Question 5**

- Required for experiments or equipment use on projects in research institutions, commercial or college laboratories, government or industrial settings (i.e. machine shop, manufacturer facility), and medical facilities.

**Continuation Project: Question 5**

- Rules: Handbook - International Rules and Guidelines 2013 pg. 3-4

**Hazardous Chemicals, Activities, and Devices: Question 6**

- Rules: Handbook - International Rules and Guidelines 2013 pgs. 18-20