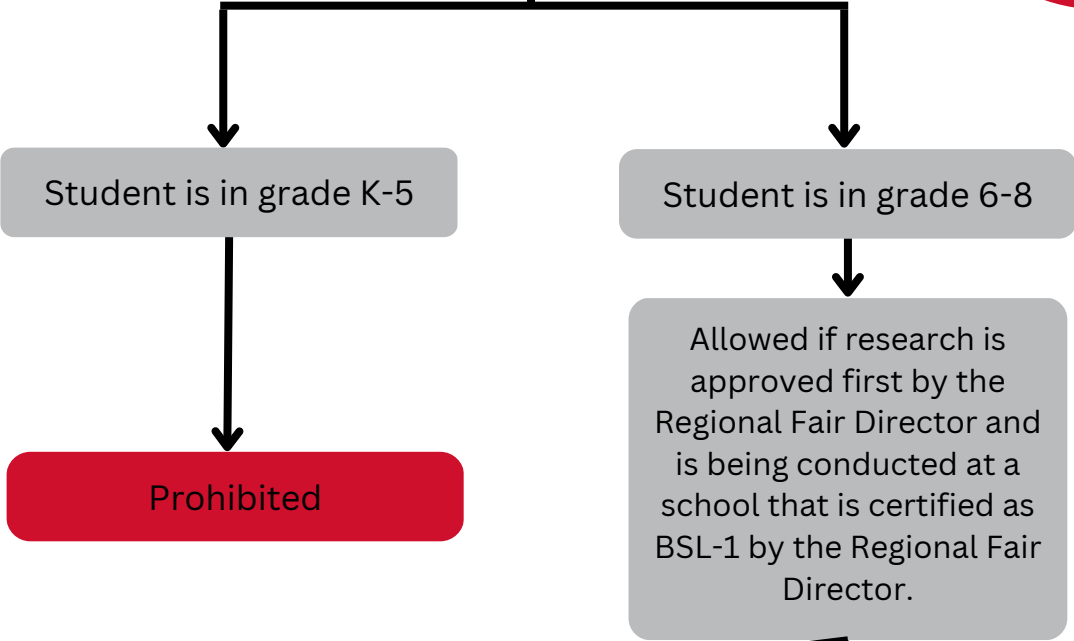




Elementary and Middle School Projects Rules Flow Chart

WARNING:
Research involving the collection and culturing of unknown environmental bacterial samples is dangerous and will NOT be approved.

Working with Bacteria?



Complete Indiana Junior Division Project Form **BEFORE** experimentation (teacher signature required)

Please check with your Regional Fair Director before approving any project proposal involving bacteria, yeast, and mold.

- Must complete **BEFORE** experimentation:
- Form 1
 - Form 1A
 - Research Plan/Project Summary, including the “Potentially Hazardous Biological Agents Research” specific guidelines
 - Form 1 B (needs school SRC signature)
 - Form 3
 - Form 6A: Fill out this form AND receive SRC signature



Elementary and Middle School Projects Rules Flow Chart

Does your project involve humans besides yourself?

surveys, physical activity, observing behaviors, using another human to test a prototype/computer program, etc.

Must complete **BEFORE** experimentation:

- Form 1: Fill out the appropriate checkboxes for Human participants
- Form 1A
- Research Plan/Project Summary, including the “Human Participants Research” specific guidelines
- Form 1 B (needs school SRC signature)
- Form 4 **AND** receive school SRC approval
- Human Informed Consent Form

Complete Indiana Junior Division Project Form **BEFORE** experimentation (teacher signature required)

If you need more guidance regarding the forms needed for a project, use the ISEF Rules Wizard or contact your Regional Fair Director prior to project approval.

<https://ruleswizard.societyforscience.org>



Elementary and Middle School Projects Rules Flow Chart

Does your project involve vertebrate animals, including pets?

Research causing discomfort to the animal or restricting food/water?

Prohibited

Non-invasive behavioral/observational **or** non-invasive and non-intrusive supplemental nutrition studies

Must complete **BEFORE** experimentation:

- Form 1: Fill out the appropriate checkboxes for vertebrate animals
- Form 1A
- Research Plan/Project Summary, including the “Vertebrate Animal Research” specific guidelines
- Form 1 B (needs school SRC signature)
- Form 1C: Fill out this form after experimentation if research will be conducted at a research institution.
- Form 2: Fill out if applicable.
- Form 5A: Fill out this form if research with vertebrate animal will be conducted at school or home AND receive school SRC approval.
- Form 5B: Fill out this form if research with vertebrate animal will be conducted at a research institution AND provide a copy of the research institution’s IACUC or IBC approval.

Complete Indiana Junior Division Project Form **BEFORE** experimentation (teacher signature required)



High School Projects Rules Flow Chart

ALL High School Projects must have the following forms completed, signed, and uploaded into the SEFI registration site.

- **Form 1: Checklist for Adult Sponsor/Safety Assessment Form** (*Completed by the sponsoring teacher after they have reviewed the student's completed Form 1A Checklist, Research Plan/Project Summary, and has determined the project's required forms.*)
- **Form 1A: Student Checklist** (*Be sure that the date you put for the start of experimentation is AFTER the date of project approval on Approval Form 1B.*)
- **Form 1B: Approval Form** (Box 1 must be completed. Box 2a or 2b should be completed if the project involves human subjects, vertebrates, or potentially hazardous biological agents.)

If you need more guidance regarding the forms needed for a project, use the ISEF Rules Wizard or contact your Regional Fair Director prior to project approval.

<https://ruleswizard.societyforscience.org>



High School Projects Rules Flow Chart

Does your project involve humans besides yourself?

surveys, physical activity, observing behaviors, using another human to test a prototype/computer program, etc.

Must complete **BEFORE** experimentation:

- Form 1: Fill out the appropriate checkboxes for Human participants
- Form 1A
- Research Plan/Project Summary, including the “Human Participants Research” specific guidelines
- Form 1B (needs school SRC signature)
- Form 1C: Fill out this form after experimentation if research will be conducted at a research institution.
- Form 2: Fill out if applicable.
- Form 3: Fill out if applicable.
- Complete Form 4 **AND** receive school SRC approval
- Human Informed Consent Form, if applicable

All forms can be found at
<https://www.societyforscience.org/isef/forms/>



High School Projects Rules Flow Chart

Does your project involve vertebrate animals, including pets?

Research negatively affects the animal's health or well-being.

Prohibited

Non-invasive behavioral/observational **or** non-invasive and non-intrusive supplemental nutrition studies

WARNING:

In most cases, a veterinarian will need to be extremely involved in any research involving vertebrate animals. Consider using invertebrates or computer simulation software instead.

Must complete **BEFORE** experimentation:

- Form 1: Fill out the appropriate checkboxes for vertebrate animals
- Form 1A
- Research Plan/Project Summary, including the "Vertebrate Animal Research" specific guidelines
- Form 1 B (needs school SRC signature)
- Form 1C: Fill out this form after experimentation if research will be conducted at a research institution.
- Form 2: Fill out if applicable.
- Form 5A: Fill out this form if research with vertebrate animal will be conducted at school or home AND receive school SRC approval.
- Form 5B: Fill out this form if research with vertebrate animal will be conducted at a research institution AND provide a copy of the research institution's IACUC or IBC approval.

All forms can be found at
<https://www.societyforscience.org/isef/forms/>



High School Projects Rules Flow Chart

Does your project involve
potentially hazardous biological
agents?

Examples:
bacteria, viruses, viroids,
prions, rickettsia, fungi,
parasites, recombinant
DNA technologies, human
or animal (including cell
lines and tissue cultures),
blood, or body fluid

Must complete **BEFORE** experimentation:

- Form 1: Fill out the appropriate checkboxes for potentially hazardous biological agents.
- Form 1A
- Research Plan/Project Summary, including the “Potentially Hazardous Biological Agents Research” specific guidelines
- Form 1B (needs school SRC signature)
- Form 1C: Fill out this form after experimentation if research involving any of the above agents will be conducted at a research institution.
- Form 2: Fill out if applicable
- Form 3
- Form 6A: Fill out this form AND receive SRC signature
- Form 6B: Fill out this form along with Form 6A if using human/vertebrate animal tissue, such as cell lines or tissue culture. If tissue comes from a vertebrate animal study conducted at a research institution, a copy of the research institution’s IACUC approval also needs to be provided.

Please see SEFI Rules regarding additional rules for...

- studies involving unknown microorganisms (BSL-1)
- projects involving recombinant DNA (rDNA) technologies
- projects with tissues and body fluids
- exempt studies (no SRC pre-approval needed) (i.e., microbial fuel cells, coliform water test kits, research involving manure, protists, and archaea)
- BSL-1 organisms that are exempt from prior SRC review and require no additional forms, such as baker’s yeast, brewer’s yeast, Lactobacillus, Bacillus thuringiensis, nitrogen-fixing, oil-eating bacteria, algae-eating bacteria, water soil microbes, mold growth, slime molds, edible mushrooms, and E. coli K-12.



High School Projects Rules Flow Chart

Does your project involve
hazardous chemicals, activities,
or devices?

Examples:
lasers, radiation,
DEA-controlled
substances,
prescription drugs,
etc.

Must complete **BEFORE** experimentation:

- Form 1: Fill out the appropriate checkboxes for hazardous chemicals, activities, and devices.
- Form 1A
- Research Plan/Project Summary, including the “Hazardous Chemicals, Activities, and Devices Research” specific guidelines
- Form 1B (needs school SRC signature)
- Form 1C: Fill out this form after experimentation if research involving any of the above elements will be conducted at a research institution.
- Form 2: Fill out if applicable
- Form 3

Rules for the use of hazardous chemicals, activities, and devices in research can be found at:
<https://www.societyforscience.org/isef/international-rules/hazardous-chemicals-activities-or-devices/>

All forms can be found at <https://www.societyforscience.org/isef/forms/>