

Welcome to the
2011
WTRSEF
Teacher Workshop

West Tennessee Regional Science & Engineering Fair

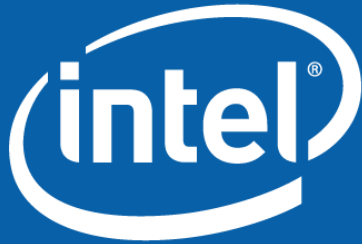
Friday, March 9, 2012

Union University



SOCIETY FOR
SCIENCE & THE PUBLIC
Inform. Educate. Inspire.

“Society for Science & the Public (SSP) is a nonprofit ...organization dedicated to public engagement in scientific research and education. Our vision is to promote the understanding and appreciation of science and the vital role it plays in human advancement: to inform, educate, inspire”



INTERNATIONAL SCIENCE AND ENGINEERING FAIR



A program of
**SOCIETY
FOR SCIENCE
& THE PUBLIC**

- Called “Intel International Science & Engineering Fair” because Intel serves as the main sponsor for the SSP’s International Fair
- The world’s largest international pre-college science competition
- Hosts more than 1,600 high school students from over 50 countries, regions, and territories
- Considered the premiere global science competition for students

<http://www.societyforscience.org/isef>

Requirements for the WTRSEF

- SRC/IRB committee
 - Formed at your school & list of members given to Union by the due date
- Entry forms for each project
 - Completed and returned to Union by due date
- Appropriate forms for each project
 - Completed and returned to Union with the entry forms by due date

SRC/IRB Committee...

- Mail in your WTRSEF Scientific Review Committee/Institutional Review Board Members Register by **November 4, 2011.**
 - This form is included in your packet

Fair Name: _____

**West Tennessee Regional Science Fair
Scientific Review Committee/Institutional Review Board
Members Register**

***Please complete this form and return it to the West Tennessee Regional Science and Engineering Fair
at Union University by the first Friday in November.***

The West Tennessee Regional Science Fair requires each fair to appoint a Scientific Review Committee/Institutional Review Board (SRC/IRB) consisting of at least five people.

The SRC requirements include:

- a biomedical scientist (Ph.D., M.D., D.V.M., D.D.S., D.O.)
- a science educator

The IRB requirements include:

- a science educator
- a school administrator
- someone knowledgeable about evaluating physical and/or psychological risk (MD, PA, RN, psychiatrist, psychologist, licensed social worker or licensed clinical professional counselor)

How do I find my SRC/IRB members?

- Do you have a school administrator?
- Do you have two science teachers in your school?
- Do you know a PhD., M.D., D.O., D.V.M., or D.D.S.?
- Do you know a psychologist, psychiatrist, social worker, licensed professional counselor, R.N., P.A., or another M.D.?
 - If so, you have just completed your SRC/IRB committee!

Why Do I Need an SRC/IRB
and Why in November????

IRB (Institutional Review Board)

- It's a federal regulation for human studies
- Reviews human subject studies
- Membership must include:
 - an educator
 - a school administrator
 - someone knowledgeable about evaluating physical and/or psychological risk: MD, PA, RN, psychiatrist, psychologist, licensed social worker or licensed clinical professional counselor

SRC (Scientific Review Committee)

- *** **Reviews some projects **before** experimentation**
(vertebrate studies & potentially hazardous biological agents)
(pages 10 & 13 of the Rules & Guidelines Booklet)
- *** **Reviews ALL projects before their entry forms and required forms are submitted to Union**
- Membership must include:
 - a biomedical scientist (Ph.D., M.D., D.V.M., D.D.S., D.O.)
 - an educator
 - one other member
- Must have a minimum of these three persons

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Entry Forms...

- Entry Form (included in your packet)
 - Deadline = **February 17, 2012**
 - A \$25.00 per project entry fee is required
 - A form must be submitted for each of your fair winners that you intend on participating in the fair
 - Notice on the form that the principal's signature is required
- Special Awards Category Sheet
(included with entry form)
- Public Relations Form (included with entry form)

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Appropriate Forms...

- INTEL Forms – find all of them at <http://www.societyforscience.org/isef/document>
- Required for every project:
 - Form 1 – Checklist for Adult Sponsor (p. 28)
 - Form 1A – Student Checklist (p. 29)
 - Research plan attachment (p. 30)
 - Abstract (helpful hints in 2012 Student Handbook)
 - Form 1B – Approval Form (p. 31)

What is the adult sponsor? Form 1

- Explanation is on page 4 of booklet!
 - “An Adult Sponsor may be a teacher, parent, university professor, or scientist in whose lab the student is working.”
 - “This individual must have a solid background in science and should have close contact with the student during the course of the project.”

What is the Student Checklist? Form 1A

- This form requires the student to complete a research plan & an abstract...
 - See page 30 for Research Plan Instructions
 - See the 2012 Student Handbook for good instructions on how to write an abstract!

What is the Approval Form? Form 1B

- Form 1B is on page 31 of the Booklet
- **Our greatest problem every year** ...
 - The date(s) of approval and date of acknowledgement on this form must be prior to the start date of the experiment on form 1A!
 - The date of review on form 1 must be prior to the stare date of the experiment on form 1A!

What About the Other Forms in the Rules & Guidelines Booklet?

- Pages 32 – 41 of the Booklet & are NOT required for all projects
- Different projects (vertebrate studies, human studies, hazardous chemicals, etc) require different forms!
- How do you know which ones you might need for a project?
 - Visit <http://www.societyforscience.org/isef>
 - Click on Rules & Guidelines
 - Click on ISEF Rules Wizard

Recap of What You Need to Enter a Project at the WTRSEF

- *Scientific Review Committee/Institutional Review Board Members Register by **November 4, 2011**
- *Entry Form (included in your packet) by **February 17, 2011**
- *Special Awards Category Sheet (included with entry form)
- *Public Relations Form (included with entry form)
- *INTEL Forms 1, 1A, 1B, Research Plan, Abstract (to be presented at the same time the entry forms are due)
- Any special forms that apply to the project

WTRSEF

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