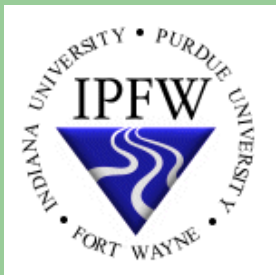


Northeast Indiana Regional Science and Engineering Fair



College of Engineering, Technology, Computer Science



Indiana University – Purdue University Fort Wayne



Regional Fair Information



- Regional Fair Basics
- Benefits of Fair participation
- Fair Awards
- Common Questions
- Chain of Progression
- Regional Fair Process
- Regional Fair Resources
- Important Dates
- Contact Information

Regional Fair Basics



- Students from 8 counties can submit projects to the Northeast Indiana Regional Fair: Adams, Allen, Huntington, Kosciusko, Miami, Wabash, Wells, and Whitley
- Regional Fair Divisions
 - Elementary Division (K – 5th grade)
 - Elementary projects are grouped by grade level
 - Junior Division (6th – 8th grade)
 - Senior Division (9th – 12th grade)
 - Junior and senior projects are grouped by project categories
- Junior and Senior Division students may participate in the Regional Fair even if their school chooses not to participate; notification of the Fair director or program assistant is necessary

Junior/Senior Division Categories: Encourage Individual Student Interest

- Traditional science categories: biochemistry, biology, chemistry, earth/planetary science, environmental science, animal science, plant science, physics and astronomy, medicine and health
- Also, the categories with typically less participation: mathematical sciences, engineering categories, computer science, energy and transportation

Benefits of Fair Participation



- Pursuit of student's interests (17 major ISEF Categories)
- Interact with a mentor who can provide information on careers also
- Gain valuable experience learning the Research/Engineering Process
 - Gain insight into what scientists and engineers do
- Practice ORIGINAL Research
 - Promotes independent thinking
 - Promotes attitude of discovery
- Building Leaders
 - Students as experts
 - Researcher are the “trailblazers”
- Offering Opportunities
 - *Universally recognized*
 - Sponsorships; funding
 - School identity: community recognition
 - Unparalleled Awards



Fair Awards Abound!



Regional Awards

- 61 local awards including \$3100 cash or gift certificates
- 27 ISEF awards
- 2 regional \$500 scholarships to IPFW
- 2 full ride scholarships to Ivy Tech
- **Other awards:** Medallions, pins, certificates, books, shirts, subscriptions, etc.
- **Advancement:** Up to 10 students from the Junior & the Senior division advance to State Fair; possibility of seniors advancing to ISEF



State and ISEF Awards

- **Hoosier State Fair:**
 - 68 awards
 - \$2000 monetary awards,
 - \$10,000 in scholarship: Governor's Top Young Scientist
 - \$6000 scholarship and \$300 to the student's teacher
- **International Science and Engineering Fair (ISEF):**
 - \$4 million dollars in awards
 - 400 finalist awards and prizes
 - ISEF Special Awards are presented by nearly 70 scientific, professional, and educational organizations

Common Questions



- **How do students progress to other fairs?**
- **Where do I find a mentor?**
- **What procedures do I follow with my project?**
- **What forms do I need to complete?**
- **Where can I get support to help me with things like paperwork and procedures?**
- **How does the process work on the regional and state website?**

Chain of Progression



- **School advancement to NE Indiana Regional Science and Engineering Fair: March 17, 2012**
 - Elementary schools (K-5): 5 entries
 - Elementary/Intermediate (K-6): 7 entries
 - Middle schools (6-8): 5 entries
 - High Schools (9-12): 15 entries
- **Student project advancement to Hoosier Science and Engineering Fair (HSEF) from Regional Fair**
 - 10 student projects from junior division (Regional Fair includes grades 6-8 as the junior division)
 - 10 student projects from senior division (grades 9-12)
- **Senior Division student project advancement to the International Science and Engineering Fair (ISEF)**
 - **NEW!** Students are chosen to advance by HSEF with one spot reserved for NEIRSEF

Where do I find a mentor?



- Contact local corporations who do research and engineering projects
 - Examples: Scientific Research Consultants, Raytheon
- Contact local university departments
 - For IPFW ETCS Outreach can provide some assistance
- Contact area non-profit organizations:
 - Examples: Botanical Gardens, **Fort Wayne Zoo (partnership)**
- Contact professional organizations:
 - Examples: NE Indiana Veterinarian Society, Society of Manufacturing Engineers

What procedures do I follow?



- **Educator Registration at SEFI website (all levels)**
- **Junior/Senior Project Eligibility: (grades 6-12)**
 - Pre-Experimentation Review (before starting)
 - Post-Experimentation Review (after completing the experiment but before attending the Regional Fair)
- **Fair Registration (all levels)**

Check out the ISEF rule book go to:
www.societyforscience.org/isef/

You can follow the link on the Regional website:
www.ipfw.edu/scifair

Teacher Registration Project Eligibility Student Registration Procedures

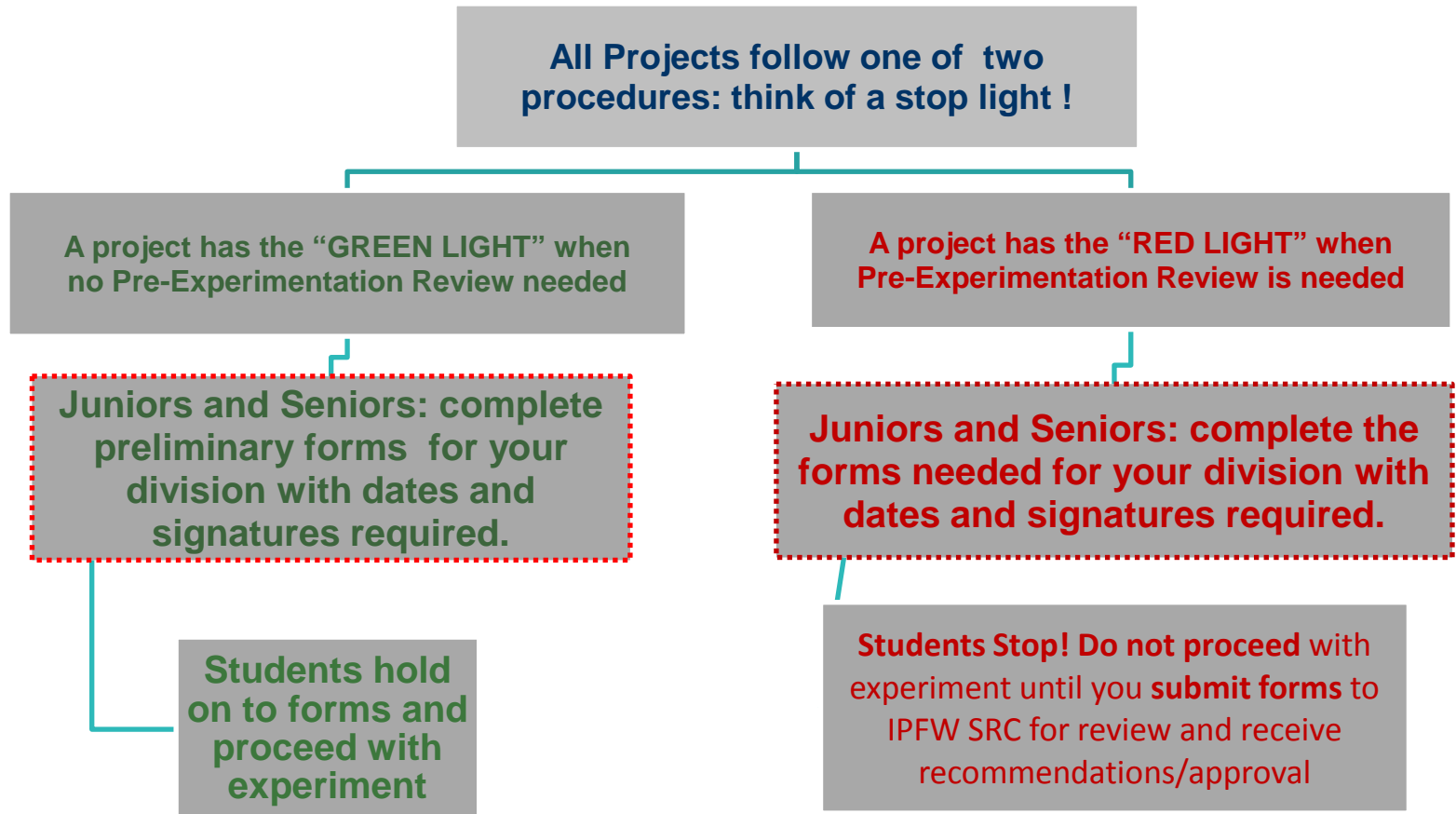


STEP 1: Teacher Affiliation/Registration



- **Who?** All Teachers in all divisions
- **What?** Complete Teacher Registration at the Science Education Foundation of Indiana (SEFI) website: www.sefi.org
- **Veteran Teachers:** If you have registered in the past you will still need to “reactivate” your registration by visiting the website again.
- **When?** As soon as possible in order to get on the Regional Fair list for future communications

Step 2: Determine Student's Project Eligibility: The Pre-Experimentation



STEP 2a: Junior Division

Students in the junior division can determine if they need pre-review by using the SEFI website questions.

Junior Division: Students enter the eligibility process by submitting their student and project information online and answering questions at www.sefi.org .

Answering any question “yes” requires pre-experimentation review .

The student must submit their completed forms to the IPFW Regional Fair Scientific Review Committee (SRC). The website will not tell the student what to do after the questions are answered. You will need to know that a yes answer requires that they STOP and NOT proceed with experimentation until the Scientific Review Committee (SRC) completes a pre-experimentation review of their procedures as described on their forms submitted to IPFW

Paperwork needed for submission

- 1) Regional Junior Division Approval Form (found on the SEFI and IPFW website)
- 2) Research Plan

The SRC Chair will make recommendations to ensure safe and proper project protocol. Forms will be returned and the student may conduct the experiment following any of the SRC Chair’s recommendations.

STEP 2b: Senior Division: Students in the senior division can determine if they need pre-review by using the SEFI website questions

Senior Division: Students enter the eligibility process by submitting their student and project information online and answering questions at www.sefi.org .

Procedure:

- Recommendation: **Notify Regional Fair of your intent to participate**
- **Answer questions at the SEFI website** to determine if pre-experimentation review is needed. The website will not tell the student what to do after the questions are answered. You will need to know that a yes answer requires that they STOP and NOT proceed with experimentation until the Scientific Review Committee (SRC) completes a review of their experiment procedures as described on the forms which they must submit IPFW
- You will be directed to ISEF forms at the SEFI website needed for your project
- **Complete forms with proper signatures and dates** and submit to IPFW
- SRC will make recommendations and provide approval if protocol is appropriate.

FYI: General form information

- All relevant forms must be turned in by deadlines posted on the IPFW website: www.ipfw.edu/scifair
- Reminder: Seniors use ISEF Forms and Juniors use SEFI Junior Division Form
- All forms must have dates and signatures as indicated on the forms; please note WHEN these forms must be completed (before or after the experiment).
- **For help with forms contact the Regional Fair Education Liaison: Caryl Spira at spirac@ipfw.edu**

STEP 3: Post Experimentation Review



Junior and Senior Division student procedures

- All students who advance and plan to attend the Regional Fair must submit project forms **after** experimentation and before the Regional Fair by the registration deadline.
- Forms needed for Junior Division:
 - Regional Fair Approval Form
 - Research Plan
 - Abstract
- Forms needed for Senior Division:
 - ISEF Forms as required by your project

STEP 4: Registration

K-5 Registration



Elementary Registration by March 9

Display must meet requirements.
See Display Guidelines on the
regional website under student
and teacher resources

6th -12th Registration and Eligibility Dates



Pre-Review Forms

only for those who need to
have pre-review forms submitted for approval by
Jan. 25, 2012

Post Review Forms: all junior
and senior participants must
submit forms at the time of
registration



Jr./Sr. Post Review and Registration: March 2, 2012

Display must meet requirements

Where can I get support?



Reaching out to Educators:

- Teacher Support
 - Website info and links
 - Newsletter
 - Email Updates
- Personal Support
 - Educator Liaison: Caryl Spira
 - SRC Chair
- Online Support
 - Updated Website
 - Regional Fair Updates



Registration

- **All registrations for the Regional Fair** will take place on the SEFI website: www.sefi.org
- All Post-Experimentation Paperwork for Junior and Senior Division will be sent to IPFW
- All Registration Fees will be sent to IPFW

Eligibility DEADLINES

- Deadline for submission of paperwork for Pre-Experimentation Review
 - **5 p.m., Wednesday, January 25, 2012**
- Deadline for submission of paperwork for Post-Experimentation Review and Jr/Sr Registration:
 - **5 p.m., Friday, March 2, 2012 (6-12 registration)**
- Deadline for Elementary Registration:
 - **5 p.m. Friday, March 9, 2012**

Indiana University Purdue University Fort Wayne

**College of Engineering, Technology,
Computer Science
Dean: Dr. C. Max Yen**

**Outreach Information
Carol Dostal, Outreach Director
(260) 481-6905
dostalc@ipfw.edu**

**Caryl Spira, Outreach Program Assistant
(260) 481-5756
spirac@ipfw.edu**

