



WEST TENNESSEE REGIONAL
SCIENCE & ENGINEERING
F A I R

2010 West Tennessee Regional Science and Engineering Fair Teacher Workshop

Randal S. Schwindt, Ph.D., P.E.
Director

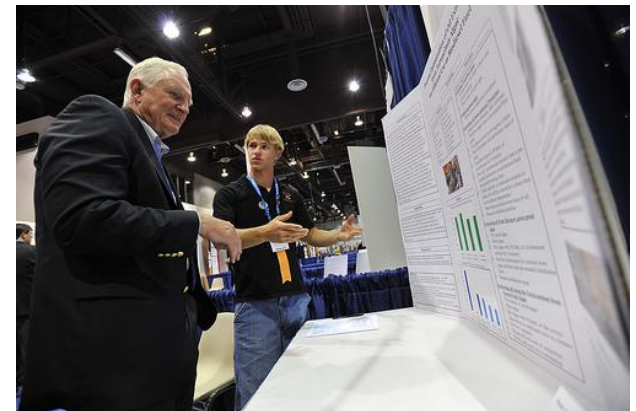
September 4, 2009



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West Tennessee Regional Science and Engineering Fair (WTRSEF)

- Enhance learning
 - Science and the scientific method
 - Engineering and engineering design methodology
 - Communication and presentation
- Awards, prizes, scholarships, recognition
- Third-graders through high school students





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Structure: Divisions



- 3rd and 4th grade (“Display Only”)
- 5th and 6th grade: Elementary
 - Elementary Life Science Division
 - Elementary Physical Science Division
 - Elementary Team Division
- 7th and 8th grade: Junior
 - Junior Life Science Division
 - Junior Physical Science Division
 - Junior Team Division
- 9th through 12th: Senior
 - Senior Life Science Division
 - Senior Physical Science Division
 - Senior Team Division

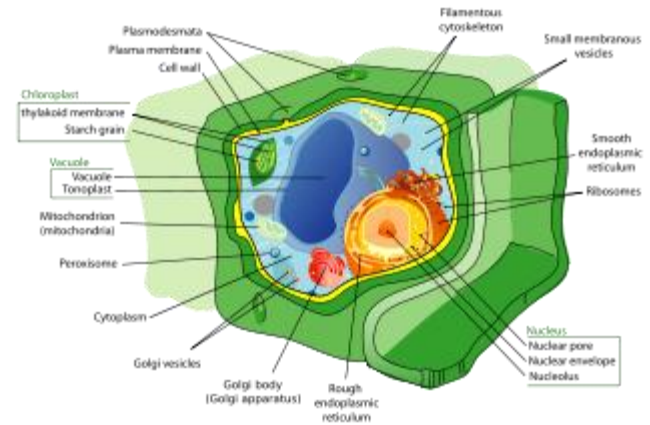


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Life Science Divisions

“Anything having to do with life”

- Animal sciences
- Biochemistry
- Cellular and molecular biology
- Environmental analysis
- Environmental management
- Medicine and health sciences
- Microbiology
- Plant sciences
- Behavioral & social sciences





Physical Science Divisions

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- Astronomy
- Computer science
- Chemistry
- Earth science
- Materials science
- Mathematical sciences
- Physics
- Bioengineering
- Electrical & mechanical engineering
- Energy & transportation





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Team Projects



- Either life or physical science topic
- Up to three members on a team
- Cash prizes



WTRSEF General Entry Requirements

- Entry fee: \$15/project
- Max number of entries per school: 9 (per division)
 - 3 in life science category
 - 3 in physical science category
 - 3 team projects
- Max number of county fair winners: 9
 - Same as above
 - Do not count against school's number of entries
- All entries must have placed 1st, 2nd, or 3rd in their school or county fair.



WTRSEF Awards



- Senior Life Science and Physical Science
 - Cash awards of \$225, \$150, and \$75
 - \$1000 scholarship for 1st place winner who enrolls in science at Union University
 - Intel ISEF in San Jose, CA with chaperon for 1st and 2nd place winners (“finalist” and “observer,” respectively)
- Junior Life Science and Physical Science
 - Cash awards of \$135, \$90, \$60, \$40
 - Nominated for Discovery Channel Young Scientist Challenge





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WTRSEF Awards (cont'd)

- Elementary Life Science and Physical Science
 - Cash awards of \$90, \$60, \$40, \$25
 - Nominated for Discovery Channel Young Scientist Challenge
- Team Projects
 - Jr-Sr (combined): Cash awards of \$225, \$150, \$75, \$50
 - Elementary: Cash awards of \$90, \$60, \$40, \$25
- And more!



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Intel ISEF

- San Jose, CA May 9-14, 2010
- Free trip for the two senior division 1st place winners (+ chaperons) to compete as “finalists”
- Free trip for the two senior division 2nd place winners (+ chaperons) to “observe”
- 2009 Intel ISEF Awards:
 - Top 3 students: \$50,000
 - Stockholm International Youth Science Seminar during the Nobel Prize Ceremonies in December
 - Grand Awards including scholarships, tuition grants and scientific field trips.
 - And many more...



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2009 WTRSEF Important Dates

- Teacher Workshop: September 4, 2009
- School SRC/IRB: November 6, 2009
- 2010 WTRSEF: March 12, 2010
- Registration deadline: February 15, 2010
- Intel International Science & Engineering Fair (ISEF):
 - May 9-14, 2010
 - San Jose, California





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Web Resources

- www.uu.edu/events/wtrsef
- www.societyforscience.org
- www.sciencebuddies.org
- Google “science fair”