

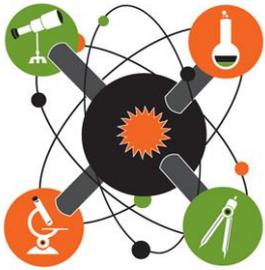


WEST TENNESSEE REGIONAL
SCIENCE & ENGINEERING
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2013 West Tennessee Regional Science and Engineering Fair Awards

Randal S. Schwindt, Ph.D., P.E.
Awards Coordinator

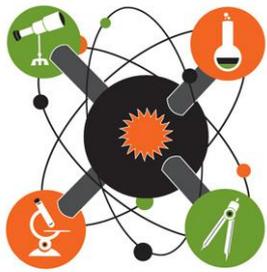
September 7, 2012



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Overview

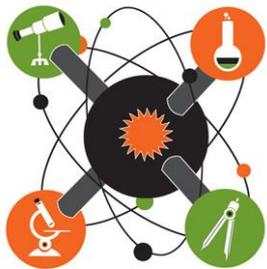
- Participation certificates
- Special awards
- WTRSEF awards: by division
- Top awards through The Society for Science and the Public (SSP):
 - Broadcom MASTERS
 - Intel ISEF



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Special Awards

- Sponsored by specific organizations for specific types of projects and/or participants, such as...
 - The US Army
 - The Society for Women Geoscientists
 - The US Metric Association
 - Society for In Vitro Biology (11th grade)
 - Yale Science & Engineering Assoc. (11th grade)
 - Delta Faucet: Green Award(s)
 - JEA: Utilities Award(s)
- Through SSP affiliation and from local/regional supporters

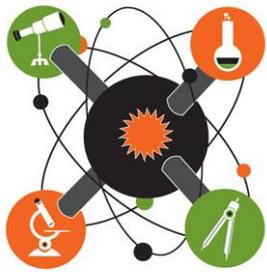


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Special Awards: 2012

	Sponsor	Name/Type of Award	Age	No.	Team?
1	American Meteorological Society	Atmospheric and related oceanic and hydrologic sciences	Grades 9-12	Up to 2	Yes
2	American Psychological Association	Psychological science	Grades 9-12	1	Yes
3	ASM Materials Education Foundation	Materials science	All grades	1	No
4	Association for Women Geoscientists	Geosciences	All grades; female student	1	Yes
5	Broadcom	Broadcom MASTERS Program	Grades 6-8	~5	Yes
6	Delta Faucet	Delta Faucet Green Awards		Yes	
		Physical science	Grades 5-6	1	
		Life science	Grades 5-6	1	
		Physical science	Grades 7-8	1	
		Life science	Grades 7-8	1	
		Physical science	Grades 9-12	1	
		Life science	Grades 7-12	1	
		Best Overall	All grades	1	
7	Jackson Energy Authority	JEA Utilities Award	Grades 5-6	1	Yes
			Grades 7-8	1	Yes
			Grades 9-12	1	Yes
8	Kentucky Lake Section of ACS	Chemistry	Grades 5-12	1	Yes
9	Intel Corporation	Computer science	Grades 9-12	1	Yes
10	Mu Alpha Theta	Mathematics	Grades 9-12	1	Yes
11	National Oceanic and Atmospheric Administration (NOAA)	Taking the Pulse of the Planet Award	Grades 6-12	1	Yes
12	National Society of Professional Engineers	NSPE/PEI Innovative Engineering Award	Grades 7-12	1	No
13	Ricoh Americas Corporation	Ricoh Sustainable Development Award	All grades	1	Yes
14	Society for In Vitro Biology	Plant or animal in vitro biology or tissue culture	Grade 11	1	No
15	State of TN Dept of Economic and Community Development	Tennessee Energy Education Network (TEEN) Award	Grades 5-6	1	Yes
			Grades 7-8	1	Yes
			Grades 9-12	1	Yes
16	United States Air Force				
17	United States Army	Engineering	Grades 9-12	1	No
		Environmental Sciences	Grades 9-12	1	No
		Mathematics/Computer Science	Grades 9-12	1	No
		Life Sciences	Grades 9-12	1	No
		Physical Sciences	Grades 9-12	1	No
		Best Overall	Grades 9-12	1	No
18	United States Navy and Marine Corps (via Office of Naval Research)	Naval Science Awards	Grades 9-12	2	No
		Naval Science Awards	Grades <= 8	2	No
19	U.S. Metric Association	Quantitative measurement and best use of the SI (metric) system for measurement	Grades 9-12	1	No
20	Water Environment Federation	Stockholm Junior Water Prize	Grades 9-12	Up to 3	No
21	Yale Science & Engineering Association	Computer Science, Engineering, Physics, or Chemistry	Grade 11	1	No

Workshop 9/7/2012



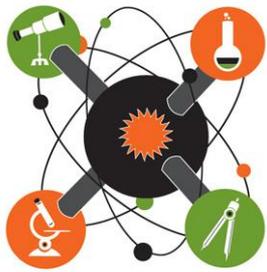
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Structure: Divisions



- 3rd and 4th grade (“Display Only”)
 - Everyone gets a prize!
- 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

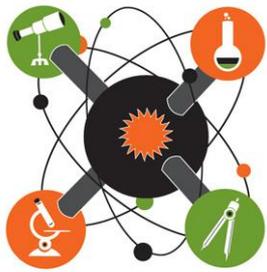
Workshop 9/7/2012



WTRSEF Awards

- Elementary Life Science and Physical Science
 - Plaques, certificates, and cash awards of \$100, \$75, \$50
- Junior Life Science and Physical Science
 - Plaques, certificates, and cash awards of \$150, \$100, \$75

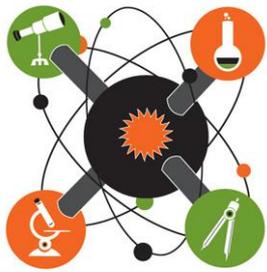




WTRSEF Awards

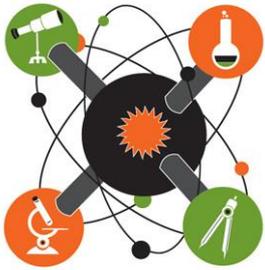
- Team Projects
 - Elementary: Plaques, certificates, and cash awards of \$100, \$75, \$50
 - Jr-Sr (combined the last few years): Plaques, certificates, and cash awards of \$200, \$100, \$75
- Senior Life Science and Physical Science
 - Plaques, certificates, and cash awards of \$250, \$150, and \$75
 - \$1,000 scholarship for 1st place winner who enrolls in science at Union University





Broadcom MASTERS

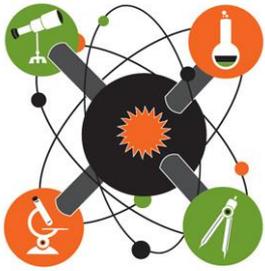
- SSP's "middle school program": grades 6-8
- Top 10% invited to participate
- Down-selected to 300 Semifinalists
- Down-selected to 30 Finalists
 - Weeklong trip to Washington, DC
 - \$25,000 grand prize
 - <http://www.societyforscience.org/page.aspx?pid=183>
- Prizes for participants at each stage



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Intel ISEF

- Phoenix Convention Center, Phoenix, AZ
- May 12-17, 2013
- Free trip for the top senior division winners (+ chaperon) to compete as a “finalist”
- 2012 Intel ISEF held in Pittsburgh, PA
 - Top prize the \$75,000 Gordon E. Moore Award
 - Two Intel Foundation Young Scientist Awards of \$50,000
 - Plus many more
 - <http://www.youtube.com/watch?v=sxCj69GK9Ug>



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Questions!

Thank you!