

## 2013 Southwest Energy Arkansas Science and Engineering Fair Awards Ceremony Script

The 2013 Arkansas Science and Engineering Fair, sponsored by Southwest Energy, was held March 30-31, 2013, on the campus of the University of Central Arkansas, in Conway, AR. The awards banquet was held Saturday evening, March 30, 2013. At the awards ceremony, nearly \$15,000 in cash prizes are given away to students and another \$15,000 will be spent sending the ISEF finalists to compete at the International Science Fair. This would not be possible without the sponsorship of of Southwestern Energy and the Arkansas State Legislature. Please join me in thanking them for their assistance [applause]

**First Place Prizes: \$300, Second Place Prizes: \$200, Third Place Prizes: \$100, Honorable Mention Winners: Certificate**

### HONORABLE MENTIONS: CERTIFICATES

Place	Category	First Name	Last Name	School
Honorable Mention	Animal Science	Bobby	Brown	Parkview High School
Honorable Mention	Animal Science	Michelle	Qui	Fayetteville High School
Honorable Mention	Animal Science	Sebastian	Edward	Fayetteville High School
Honorable Mention	Animal Science	Enoch	Park	Pulaski Academy
Honorable Mention	Behavioral & Social Science	Sarah	Martin	Pulaski Academy
Honorable Mention	Behavioral & Social Science	Katherine	Parham	Alma High School
Honorable Mention	Behavioral & Social Science	Max	Mennemeier	Pulaski Academy
Honorable Mention	Behavioral & Social Science	Natalie	Kemp	Pulaski Academy
Honorable Mention	Biochemistry	Karam	Sra	ASMSA
Honorable Mention	Biochemistry	Raiyan	Syed	Little Rock Central High
Honorable Mention	Biochemistry	Zain	Saleemuddin	Little Rock Central High
Honorable Mention	Biochemistry	Noor	Alshami	Pulaski Academy
Honorable Mention	Biochemistry	Linda	Tian	Ridgeway Christian
Honorable Mention	Biochemistry	Olivia	Davis	Fort Smith
Honorable Mention	Cellular & Molecular Biology	Rachana	Kombathula	Little Rock Central High
Honorable Mention	Cellular & Molecular Biology	Shruti	Shah	Little Rock Central High

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Honorable Mention	Chemistry	Katrina	Sims	Alpena High School
Honorable Mention	Chemistry	Lauren	Jackson	ASMSA
Honorable Mention	Chemistry	Edward	Zhao	Little Rock Central High
Honorable Mention	Chemistry	Glenda	Scott	AR School for the Deaf
Honorable Mention	Computer Science	Patrick	Stransky	Alma
Honorable Mention	Computer Science	Zen	Tang	Little Rock Central High
Honorable Mention	Earth and Planetary Science	Elma	Abdullah	Little Rock Central High
Honorable Mention	Earth and Planetary Science	Peyton	Wagner	Alma High School
Honorable Mention	Earth and Planetary Science	Liz	Lawrence	Ridgeway Christian
Honorable Mention	Earth and Planetary Science	Jessika	Meier	Pulaski Academy
Honorable Mention	Energy and Transport	Nishant	Patel	ASMSA
Honorable Mention	Energy and Transport	Kyle	Christenson	Pulaski Academy
Honorable Mention	Energy and Transport	Nila	Ray	White Hall High School
Honorable Mention	Energy and Transport	Elizabeth	Graf	Little Rock Central High
Honorable Mention	Engineering: Electrical and Mechanical	Aaron	Klappenbach	ASMSA
Honorable Mention	Engineering: Electrical and Mechanical	Justin	McClure	Fayetteville High School
Honorable Mention	Engineering: Electrical and Mechanical	Rohan	Manjanatha	Little Rock Central High
Honorable Mention	Engineering: Electrical and Mechanical	Levi	Jones	Glen Rose High School
Honorable Mention	Engineering: Materials and Bioengineering	Zeferin	Turturro	Lisa Academy North

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Honorable Mention	Engineering: Materials and Bioengineering	Erik	Khamphouy	ASMSA
Honorable Mention	Environmental Management	Caitlin	McGough	Ridgeway Christian
Honorable Mention	Environmental Management	Mark	Mastroranni	Haas High School
Honorable Mention	Environmental Management	Madison	Heflin	Ridgeway Christian
Honorable Mention	Environmental Management	Alston	Tyer	Haas High School
Honorable Mention	Environmental Sciences	Angel	Yang	Ft. Smith
Honorable Mention	Environmental Sciences	Arrington	Balfour	MacArthur Junior High
Honorable Mention	Environmental Sciences	Jasmine	Rowland	Ridgeway Christian
Honorable Mention	Environmental Sciences	Zachary	Renfo	Fayetteville High School
Honorable Mention	Mathematics	Ryan	Kaufmann	Little Rock Central High
Honorable Mention	Mathematics	Ethan	Sun	Pulaski Academy
Honorable Mention	Mathematics	Kate	Truitt	Ramsey Jr High
Honorable Mention	Medicine & Health	Ashraf	Moursi	Pulaski Academy
Honorable Mention	Medicine & Health	Emily	Hollansworth	ASMSA
Honorable Mention	Microbiology	Camila	Vargas	Pulaski Academy
Honorable Mention	Microbiology	Pooja	Suri	Little Rock Central High
Honorable Mention	Microbiology	Pranav	Kolluru	Little Rock Central High
Honorable Mention	Physics & Astronomy	Lauren	Lafarlette	Alma High School
Honorable Mention	Physics & Astronomy	Tanner	Clements	Parkview High School
Honorable Mention	Plant Sciences	Tierin	Burrow	Fayetteville High School
Honorable Mention	Plant Sciences	Caroline	Honea	Little Rock Central High
Honorable Mention	Plant Sciences	Nikita	Das	Little Rock Central High
Honorable Mention	Team Projects	Shelby	Carney	Fayetteville High School

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Honorable Mention	Team Projects	Sarah	Rechtin	Fayetteville High School
Honorable Mention	Team Projects	Yilan	Jiangliu	Lisa Academy
Honorable Mention	Team Projects	Ziming	Zhang	Lisa Academy

**THIRD PLACE WINNERS: \$100**

Place	Category	First Name	Last Name	School
3rd Place	Animal Science	Kayla	Bishop	Alma High School
3rd Place	Behavioral & Social Science	Tazin	Islam	Little Rock Central High
3rd Place	Biochemistry	Saxyam	Gautam	Fayetteville High School
3rd Place	Cellular & Molecular Biology	Mehr	Shah	ASMSA
3rd Place	Chemistry	Sonya	Mehta	Little Rock Central High
3rd Place	Computer Science	Russell	Bryan	ASMSA
3rd Place	Earth and Planetary Science	Taylor	Hensley	Alpena High School
3rd Place	Energy and Transport	Nimit	Gandhi	Little Rock Central High
3rd Place	Engineering: Electrical and Mechanical	Garry	Liu	Little Rock Central High
3rd Place	Engineering: Materials and Bioengineering	Erick	Jackson	Little Rock Central High
3rd Place	Environmental Management	Audrey	Timmerman	Haas High School
3rd Place	Environmental Sciences	Dewayne	Goldmon	Ridgeway Christian
3rd Place	Mathematics	Elijah	Linn	Ramsey Jr High
3rd Place	Medicine & Health	Michael	Stout	ASMSA
3rd Place	Microbiology	Nadia	Safar	Pulaski Academy
3rd Place	Physics & Astronomy	Mohammed	Asif	Little Rock Central High

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3rd Place	Plant Sciences	Ragul	Manoharan	Little Rock Central High
3rd Place	Team Projects	Jacob	Bowman	White Hall High School
3rd Place	Team Projects	Hunter	Carnes	White Hall High School

**SECOND PLACE: \$200**

Place	Category	First Name	Last Name	School
2nd Place	Animal Science	Bri-Ellen	Millsap	Alma High School
2nd Place	Behavioral & Social Science	Domonick	Esparza	ASMSA
2nd Place	Biochemistry	Alex	Shell	ASMSA
2nd Place	Cellular & Molecular Biology	Brendon	Song	Little Rock Central High
2nd Place	Chemistry	Nishita	Patel	Little Rock Central High
2nd Place	Computer Science	Larissa	Markwardt	ASMSA
2nd Place	Earth and Planetary Science	Tyler	Graham	White Hall High School
2nd Place	Engineering: Electrical and Mechanical	Will	Welch	Alpena High School
2nd Place	Engineering: Materials and Bioengineering	Demetrius	McCullough	Ridgeway Christian
2nd Place	Energy and Transport	Talesha	Thomas	Alpena High School
2nd Place	Environmental Management	Roshaneh	Ali	Little Rock Central High
2nd Place	Environmental Sciences	Peyton	Aulds	Ridgeway Christian
2nd Place	Mathematics	Guo	Wang	ASMSA
2nd Place	Medicine & Health	Dimple	Shah	ASMSA
2nd Place	Microbiology	B.J.	Osterberger	ASMSA

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2nd Place	Physics & Astronomy	Toni	Lunnemann	ASMSA
2nd Place	Plant Sciences	Rocklan	McCall	Riverside High School
2nd Place	Team Projects	Blake	Bradberry	Haas High School
2nd Place	Team Projects	Kate	Woolverton	Haas High School

**FIRST PLACE WINNERS: \$300**

Place	Category	First Name	Last Name	School
1st Place	Animal Science	Wilson	Guillory	ASMSA
1st Place	Behavioral & Social Science	Kendall	Coats	Fayetteville High School
1st Place	Biochemistry	Oswaldo	Cossio	Parkview High School
1st Place	Cellular & Molecular Biology	Katie	Welch	Alpena High School
1st Place	Chemistry	Hayden	Burger	ASMSA
1st Place	Computer Science	Ayush	Saraswat	Little Rock Central High
1st Place	Earth and Planetary Science	Taylor	Flynn	ASMSA
1st Place	Engineering: Electrical and Mechanical	Nyle	Nayga	ASMSA
1st Place	Engineering: Materials and Bioengineering	Hanya	Qureshi	Pulaski Academy
1st Place	Energy and Transport	Dhruba	Dasgupta	Little Rock Central High
1st Place	Environmental Management	Rachel	Lynch	Alpena High School
1st Place	Environmental Sciences	Ian	Stone	Pulaski Academy
1st Place	Mathematics	Tyler	Mlaka	Alma High School
1st Place	Medicine & Health	Andrew	Gu	ASMSA
1st Place	Microbiology	Hayley	Adkinsson	ASMSA

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1st Place	Physics & Astronomy	Erik	Monson	ASMSA
1st Place	Plant Sciences	Jacob	Andersen	Ridgeway Christian
1st Place	Team Projects	Dana	Abulez	Little Rock Central High
1st Place	Team Projects	Devyani	Shekhawat	Little Rock Central High

Special Awards				
Sigma Xi—Presented by Nawab Ali and Kamran Iqbal	Outstanding Research Project	Certificate and \$100	Andrew Gu	ASMSA
T-shirt Design Winner	T-shirt design selected to be featured on this year's AR Science & Engineering Fair T-shirts	\$100, award certificate and print HM: Print	Kayla Bishop HM: Nishita Patel	Alma High School HM: Little Rock Central High School
Arkansas Environmental Education Association Award	Outstanding environmental science project	Certificate	Tabitha Hudspeth	Nettleton High School
Axiom Award presented by Keith Jones	Projects that best utilize Computer Science	1st: \$75	Zen Tang	Little Rock Central High School
		2nd: \$25	Kwang Tang	Little Rock Central High

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				School
Arkansas Energy Office of the Arkansas Economic Development Commission	Best Energy Related Project	\$125 and certificate	Dhruba Dasgupta	Little Rock Central High School
		\$25 to student's teacher	Patrick Foley	Little Rock Central High School
American Fisheries Society- Arkansas Chapter	Best Aquatic Science Award	1st Place: Plaque for student	Noel Philley	Crossett High School
		Plaque for Teacher of 1 <sup>st</sup> Place student	Sarah Storm	Crossett High School
		HM: Certificate	Anna Rougeau	Nettleton High School
		HM: Certificate	Taylor Flynn	ASMSA
		HM: Certificate	Oswaldo Cossio	Parkview High School



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		HM: Certificate	Wilson Guillory	ASMSA
American Meteorological Society	Best Project Related to Meteorology(team)	1 <sup>st</sup> place certificate	Tyler Graham	White Hall High School
American Psychological Association	Outstanding project related to behavioral science	certificate	Kendall Coats	Fayetteville High School
Arkansas Computer Science Teachers Association Award	Top two computer science projects	\$50 and Certificate	Ayush Saraswat	Little Rock Central High School
		\$37.50 and Certificate	Larissa Markwardt	ASMSA
Arkansas Natural Heritage Commission	Projects Related to Preserving Arkansas' Natural Heritage	certificate, gift bag and \$50 each	Sebastian Edwards	Fayetteville High School
			Taylor Flynn	ASMSA
			Anna Rougeau	Nettleton High School
			Noel Philley	Crossett High School
Arkansas Chapter of the Wildlife Society	Best Project related to wildlife or wildlife	Certificate	Wilson Guillory	ASMSA

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	conservation			
ASM International Foundation	Best Project Related to Materials Science	Certificate	Hanya Qureshi	Pulaski Academy
Association for Women Geoscientists Foundation	Best project related to geoscience done by a female student	Certificate	Taylor Flynn	ASMSA
Griffin Award Given by UCA	Creativity in Research in the Life Sciences	plaque that hangs in the science education lab at UCA and a certificate and \$150	Oswaldo Cossio	Parkview High School
		\$50 for the student's teacher	Les Williams	Parkview High School
Intel Excellence in Computer Science	1st Place Project in Computer Science	\$200 and certificate	Ayush Saraswat	Little Rock Central High School
Mu Alpha Theta	Most Outstanding Project in Mathematics	Certificate	Tyler Mlaka	Alma High School

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National Oceanic and Atmospheric Administration	Most Outstanding Project Related to NOAA's Research Goal	Certificate and medal	Roshaneh Ali	Little Rock Central High School
National Society of Professional Engineers	Project that utilizes the most innovative engineering	Certificate and pin	Will Welch	Alpena High School
Ricoh Corporation for Environmental Sustainable Technologies	Project that most supports environmentally sustainable development	Certificate	Rachel Lynch	Alpena High School
Society for In Vitro Biology	Outstanding Achievement, ability, and creativity in In Vitro Biology	Certificate	Sarthak Garg	Little Rock Central High School
Society for Neuroscience-Arkansas Chapter	Project related to Neuroscience	1st place: Certificate	Dimple Shah	ASMSA

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Stockholm Junior Water Prize Sponsored by the Water Environment Foundation	Outstanding Water Related Project	Certificate, invitation to compete in state wide competition	Peyton Aulds Ian Stone	Ridgeway Christian Pulaski Academy
UAMS Mentor Award	Outstanding projects in medicine and health in rural communities	Certificate	Tristan Anderson Victoria Minor	Alma High School Cross County High School
US Geological Survey	Best geology related project	Certificate	Taylor Flynn	ASMSA
US Metric Association	Best use of the International System of Units	certificate	Taylor Hensley	Alpena High School
US Air Force Awards	Outstanding Projects in Math, Computer Science, and Engineering (laptop backpack, 3-in-1	Math	Tyler Mlaka	Alma High School
		Computer Science	Ayush Saraswat	Little Rock Central High School

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	calculator/picture frame/LCD digital clock, helicopter pen, lunch sack)	Engineering	Nyle Nayga	ASMSA
		Physics	Erik Monson	ASMSA
Yale Science and Engineering Award	Outstanding 11th grade project in chemistry, computer science, engineering, or physics	certificate	Ayush Saraswat	Little Rock Central High School
O.M. Prince Award presented by the UCA Physics Department	Most outstanding physics project	\$100 and certificate	Erik Monson	ASMSA
US Public Health Services	Surgeon General's Certificate of Appreciation	Certificate and medallion	Andrew Gu	ASMSA
Arkansas Environmental Federation	Outstanding Environmental Science Projects (Environmental Management or Environmental Science Categories)	First place \$100	Rachel Lynch	Alpena High School
		Teacher of First place winner \$175	David Good	Alpena High School
		Second Place \$50	Osvaldo Cossio	Parkview High School
		Teacher of Second Place winner \$175	Les Williams	Parkview High School

**RECOGNITION OF REGIONAL ISEF FINALISTS**

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Students are to come forward and remain near the front as the remaining ISEF State Finalists & "Best in State" winners are announced. These students will be attending the week-long Intel International Science & Engineering Fair in Phoenix, AZ May 12-17. These ISEF finalists will receive trading pins and an Arkansas Science Fair T-shirt.

### Cent. Region (University of Arkansas at Little Rock), Keith Harris, Director

**Individual Finalists:** Trisha Bhattacharyya—Little Rock Central High  
Kwuang Tang ---Little Rock Central High  
Sarthak Garg—Little Rock Central High

### North East Region (Jonesboro - Ark. State Univ.), Dr. Tillman Kennon, Director

**Individual finalists:** Ellie Stafford- Mcarthur Junior High School  
Tabitha Hudseth—Nettleton High School

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### North West Region (Fayetteville - Univ. of Arkansas), Lynne Hehr, Director

**Individual Finalists:** Elizabeth Spicer—Ramsey Junior High School  
Kent Huang- Alpena High School  
Kate Woolverton and Black Bradberry—Haas Hall Academy

### South East Region (Univ. of Ark. at Monticello), Jeff Taylor, Director

**Individual Finalists:** Noel Cary Philley—Crossett High School

### ~~South Central Region, Sherry Smith, Director [Fair was not held this year]~~

~~**Individual Finalists:**~~

~~**Team Finalists:**~~

### ~~South West Region, Joe Winstead, Director [Fair was not held this year]~~

~~**Individual Finalist:**~~

### West Central Region (Hot Springs - ASMS), Dr. Brian Monson, Director

**Individual Finalists:** Blaise Bryan Koch—ASMSA  
Clayton Davis-- ASMSA

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**INDIVIDUAL ISEF FINALISTS CHOSEN FROM STATE SCIENCE FAIR CATEGORY WINNERS**

(award covers the cost of registration, meals, housing, and transportation for the 1<sup>st</sup> place, 2<sup>nd</sup> place, 3<sup>rd</sup> place, 4<sup>th</sup> place overall winners and the first place team project students to attend the International Science and Engineering Fair, held May 12-17 in Phoenix, AZ. The costs of accompanying adults will also be covered. These awards are sponsored by Southwestern Energy and the Arkansas Environmental Federation.)

**6<sup>th</sup> Place Observer:** Rachel Lynch – Alpena

**5<sup>th</sup> Place Observer:** Nyle Nayga - ASMSA

**4<sup>th</sup> Place Winner \$200:** Dhruba Dasgupta—Little Rock Central High School

**3<sup>rd</sup> Place Winner \$300:** Hanya Qureshi—Pulaski Academy

**2<sup>nd</sup> Place Winner \$400:** Osvaldo Cossio—Parkview High School

**1<sup>st</sup> Place Winner \$500:** Ayush Saraswat—Little Rock Central High School

**1<sup>st</sup> Place Team Project and ISEF finalists and each winning \$250:** Dana Abulez and Devyani Shekhawat-  
Little Rock Central High School

**BEST IN STATE INDIVIDUAL AWARDS - Each student receives a certificate, cash award, and first place winner gets their name engraved on a traveling plaque which will stay at their school this year.**

**Fifth Place (\$100):** Clayton Davis-- ASMSA

**Fourth Place (\$200):** Trisha Bhattacharyya—Little Rock Central High School

**Third Place (\$300):** Elizabeth Spicer—Fayetteville High School

**Second Place (400):** Ayush Saraswat—Little Rock Central High

**First Place (\$500):** Kwuang Tang—Little Rock Central High School

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**BEST IN STATE TEAM AWARD - a plaque recognizing the winners will be engraved with their names**

**Winning Team Project:** Dana Abulez and Devyani Shekawat—Little Rock Central High School

[Acknowledge and applaud the ISEF finalists from the Regions and State—this is the AR Delegation to ISEF. Then these kids can go sit down.]

**School Trophies –these trophies are determined by the number of points each school accumulated based on their place award winners divided by the total number of projects entered in the fair from the database of entries. To be eligible for these trophies, the schools that had the median number of projects entered in the fair (or higher) were considered. Those that did not meet the median number of entries are encouraged to bring more students to next year’s fair.**

**5<sup>th</sup> place: Pulaski Academy**

**4<sup>th</sup> place: Alpena High School**

**3<sup>rd</sup> place: Fayetteville High School**

**2<sup>nd</sup> place: Little Rock Central High School**

**1<sup>st</sup> place: ASMSA**

**Southwestern Energy Teacher Appreciation Award \$100—Diedre Young, Ridgeway Christian**

**ROBERT T. KIRKWOOD & JUDITH BEAN MEMORIAL AWARD- Awarded to an individual whose service is invaluable to the Arkansas Science and Engineering Fair.**

**Award: Plaque and \$50 check**

**Winner:** Jerry Mimms, UCA and Leigh Ann Denhartog, UCA

**Previous awardees:**

**2012: Jillian Arbogast, UCA**

**2011: Kristie Hicks, UCA**

**2010: Bob Wolfe, Alma High School**

**2009: Mark Welch, Alpena**

**2008: Jack Gaiser, UCA**

**2007: Rosemary Blassingame, Alma Middle School**

**2006: Mike Rapp, UCA**

**2005: Scott Ausbrooks, Harmony Grove**



## **2013 Southwest Energy Arkansas Science and Engineering Fair Awards Ceremony Script**

**2004: Vicky Reid, UCA Phys Dept and  
Darnelle Ausbrooks, White Hall High**  
**2003: Melissa Donham, Little Rock Central High**  
**2002: Jane Meadows, Hall High School**  
**2001: Janet Jackson, Sheridan, AR**  
**2000: Richard Gill, Whitehall H.S.**  
**1999: Dennis Thurman, Drew Central H.S.**  
**1998: Dennis Miller, Camden-Fairview H.S.**  
**1997: Pat Bradley, Veterinarian**  
**1996: Margie Snider, NLR - East H.S.**  
**1995: Amy Wilson, Ark. Environmental Fed.**  
**1994: Mary Frances Harper, Lakeside H.S.**  
**1993: Kathy Lister, NLR - East H.S.**  
**1992: Fred Dalske, UCA Dept. of Biology**  
**1991: Paul Krause, UCA Dept. of Chemistry**

School packets are available for one teacher from each school to pick up at the awards' table. In each packet will be the judges' score sheets. The script of the awards ceremony will be posted on the Arkansas Science and Engineering Fair website.

**In addition, students are asked to send "Thank you" notes to the contributors to the fair and sponsors of the awards you received. Instructions regarding to whom to address your note, as well as the mailing address for the sponsor, were included with your award certificate. Please take the time to write your "thank you notes" so that we can continue to have the support of these organizations, and so that they can know who won their award and congratulate you individually.**

**All ISEF FINALISTS received their trading pins for this year's International Science and Engineering Fair at the awards ceremony. Don't forget to pack those for the trip! Pin trading is a tradition among the states and countries attending ISEF and the pin trading party is a great way to meet your fellow finalists from around the world!**