

# 2009 Arkansas Science and Engineering Fair Awards

## Sponsored by Southwestern Energy Company

WELCOME- Dr. Bland will introduce Dr. Steven Seidman, Dean, College of Natural Science & Math, UCA

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### SCIENCE FAIR - CATEGORY AWARDS

Award for first place winners: Certificate, \$250, textbook

Award for second place winners: Certificate \$125, textbook

Award for third place winners: Certificate, \$50, textbook

Award for honorable mention winners: Certificate

#### Animal Sciences

HM: Rachel Johnson, Nettleton

HM: Chelsea Harral, Nettleton

3<sup>rd</sup>: Casey O'Hara, Central

2<sup>nd</sup>: Tatiana Riddle, ASMSA, Quitman

1<sup>st</sup>: Steven McFarlin, ASMSA, Jonesboro

#### Behavioral & Social Science

HM: Veniece Walker, Pine Bluff

3<sup>rd</sup>: Gabi Abraham, Annie Camp

3<sup>rd</sup>: Chad Morgan, Nettleton

2<sup>nd</sup>: Tobe Wood, ASMSA, Gillett

1<sup>st</sup>: Chrystal Lau, Little Rock Central High School

#### Biochemistry

HM: Jonathan Raney, Little Rock Central High School

HM: Joel Freeman, Fayetteville High School East

3<sup>rd</sup>: Andy Goodner, Alma High School

3<sup>rd</sup>: Kaitlyn Eubanks, ASMSA-Hot Springs

2<sup>nd</sup>: Vasupradha Suresh Kumar, Fayetteville High School East

1<sup>st</sup>: Muhammad Abu-Rmaileh, Little Rock Central High

#### Cellular and Molecular Biology

HM: Bianca Mayo, Pine Bluff High School

HM: Johnathan Spicer, Pine Bluff High School

3<sup>rd</sup>: Lauren Widner, Alpena

2<sup>nd</sup>: Xeniya Rudolf, Parkview Magnet

1<sup>st</sup>: Robert Stokes, ASMSA, Bryant

#### Chemistry

HM: Chad Robb, ASMSA, Little Rock

HM: Garrett Dunnan, Nettleton

3<sup>rd</sup>: Clifton Eads, Cross County

3<sup>rd</sup>: Stephanie Medel, ASMSA, Searcy

- 2<sup>nd</sup>: Vijal Shah, LISA Academy**  
**1<sup>st</sup>: Cassandra Green, Alpena High**

### **Computer Science**

- HM: Kunal Shah, LISA Academy**  
**3<sup>rd</sup>: Joseph Berleant, Little Rock Central High School**  
**2<sup>nd</sup>: Charlie Meyers, Little Rock Central High School**  
**1<sup>st</sup>: Jesse Thomason, ASMSA, Friendship**

### **Earth & Planetary Science**

- HM: Whitney Gao, Little Rock Central High School**  
**HM: Ellyson Vasquez, eStem**  
**3<sup>rd</sup>: Caraline Vaughn, Nettleton**  
**2<sup>nd</sup>: Joshua Bregy, ASMSA-Maumelle**  
**1<sup>st</sup>: Kaylee Gray, Nettleton High School**

### **Engineering: Electrical and Mechanical**

- HM: Justin Carothers, Ridgeway Christian School**  
**3<sup>rd</sup>: Maggie Good, Alpena High School**  
**2<sup>nd</sup>: Nathaniel Mickelson, Alma High School**  
**1<sup>st</sup>: Jacob Weidenfeller, Alpena High School**

### **Engineering: Materials and Bioengineering**

- HM: David Albers, Alma**  
**HM: Mark Okimoto, ASMSA, Fayetteville**  
**3<sup>rd</sup>: Aaron McCormick, LA Chaffin**  
**3<sup>rd</sup>: Sharita Jasper, Pine Bluff High School**  
**2<sup>nd</sup>: Sierra Fisher, Little Rock Central High School**  
**1<sup>st</sup>: Siteng Ma, Little Rock Central High School**

### **Energy and Transportation**

- HM: Alex Barthol, Ramsey Junior High**  
**Maggie Nichols, Lakeside Junior High**  
**3<sup>rd</sup>: Emily Plank, Alma High School**  
**2<sup>nd</sup>: Grant Mills, Alma High School**  
**1<sup>st</sup>: Christine Thrift, Alma High School**

### **Environmental Management:**

- HM: David Bright, Alpena High School**  
**HM: Rachel Roenfeldt, Fayetteville High**  
**3<sup>rd</sup>: John Hudgens, Lakeside Jr. High**  
**2<sup>nd</sup>: Kaleb Horlick, Fayetteville High School East**  
**1<sup>st</sup>: James Rose, Alpena High**

### **Environmental Sciences**

- HM: Jake Wishaid, Drew Central**  
**HM: Grayson Owens, LA Chaffin**  
**HM: Blake St. Clair, Fayetteville High School**  
**HM: Jill Del-Sol, Fayetteville High School**  
**3<sup>rd</sup>: Yeng Yang, ASMSA, New Blaine**

- 3<sup>rd</sup>: Robinson Ford, Russellville High School**  
**2<sup>nd</sup>: Carmen Gondhalekar, Pulaski Academy**  
**1<sup>st</sup>: Adiba Matin, Little Rock Central High School**

### **Mathematics**

- 3<sup>rd</sup>: AJ Rosenberg, Ramsey Junior High**  
**2<sup>nd</sup>: Lysie Winslow, Alma High School**  
**1<sup>st</sup>: Helena Liu, Little Rock Central High School**

### **Medicine & Health**

- HM: Aaron Yin, Little Rock Central High School**  
**HM: Madi Jordan, Ramsey Jr High School**  
**HM: Rachael Parker, Pine Bluff High School**  
**HM: Roshni Patel, Lakeside Jr High School**  
**HM: Lisa Robertson, Glen Rose High School**  
**3<sup>rd</sup>: Alyssa Evans, Little Rock Central High School**  
**3<sup>rd</sup>: Pouya Parsian, Little Rock Central High School**  
**2<sup>nd</sup>: Sydney Wiggins, Ramsey Junior High School**  
**1<sup>st</sup>: Tatiana Lupashina, Little Rock Central High School**

### **Microbiology**

- HM: Keerthi Sreeramoju, Little Rock Central High School**  
**HM: Ramsha Khan, Little Rock Central High School**  
**HM: Ashley Fite, Glen Rose**  
**3<sup>rd</sup>: Rebecca Jeffers, ASMSA, Little Rock**  
**2<sup>nd</sup>: Safia Nawaz, Little Rock Central High School**  
**1<sup>st</sup>: Samantha McClenahan, ASMSA, Bismarck**

### **Physics**

- HM: Sam Snyder, LA Chaffin Junior High School**  
**HM: Daniel Dodd, Russellville High School**  
**HM: Cortnie Been, Alma High School**  
**HM: John Cahoon, Jonoeseboro**  
**3<sup>rd</sup>: Kyle Franklin, Ramsey Junior High**  
**2<sup>nd</sup>: Josh Lintag, Little Rock Central High School**  
**1<sup>st</sup>: Amir Mortazavi, ASMSA**

### **Plant Sciences**

- HM: Kristen Jones, Nettleton High School**  
**HM: Thomas Gray, Little Rock Central High School**  
**3<sup>rd</sup>: Samia Nawaz, Little Rock Central High School**  
**3<sup>rd</sup>: Jarren Oates, Pine Bluff High School**  
**2<sup>nd</sup>: Xiaoke Fena, ASMSA-Conway**  
**1<sup>st</sup>: Annika Tabassum, Fayetteville High School East**

### **Team Projects**

- HM: Julie Johnson, Donterrio Smith, Rachel Strong – Pine Bluff High School**  
**3<sup>rd</sup>: James Trowbridge, Taylor Hern- Alpena High School**

**2<sup>nd</sup>: Chris Thibault, Brandy Thibault- Alma High School**  
**1st Place - (WINNERS ANNOUNCED WITH STATE'S ISEF FINALISTS)**

## **SPECIAL SCIENCE FAIR AWARDS -**

### **Acxiom Corporation**

**Award: \$125 for 1<sup>st</sup> place and \$75 to 2<sup>nd</sup> place to the top computer science projects**

**Presented by: Keith Jones**

**Winners: 1<sup>st</sup>: Brendan Lee, Alma High School**

**2<sup>nd</sup> : Jesse Thomason, ASMSA- Friendship**

### **Arkansas Energy Office of the Arkansas Economic Development Commission and Conway Corporation**

**Award: Best Energy Related Project, \$125 and certificate to student, \$25 to teacher**

**Winner: Kaitlyn Eubanks, ASMSA**

### **Arkansas Environmental Education Association**

**Award: Certificate for Best Environmental Science Project**

**Winner: Christina Thrift, Alma High School**

### **American Association of Clinical Chemistry (Texas Section)**

**Award: 1<sup>st</sup> Place: \$100 to the best project related to clinical chemistry**  
**2<sup>nd</sup>, 3<sup>rd</sup>, and HM: Certificate**

**Winner: 1<sup>st</sup> Place: Robert Stokes-ASMSA Bryant**

**2<sup>nd</sup> Place: Muhammad Abu-Rmaileh, Little Rock Central High**

**3<sup>rd</sup> Place: Mark Okimoto, ASMSA**

**HM: Tatiana Lupashina, Little Rock Central High**

**HM: Amir Motazavi, ASMSA-White Hall**

### **American Chemical Society-Central Arkansas Chapter**

**Award: Certificates and \$50 to the first place winners in the biochemistry and chemistry categories.**

**Winners: Muhammad Abu-Rmaileh, Little Rock Central High**  
**Cassandra Green, Alpena High School**

### **American Fisheries Society-Arkansas Chapter**

#### **Best Aquatic Science Award**

**Presented by: Reid Adams**

**Award: 1<sup>st</sup> Place: Plaque and \$100**

**Honorable Mention: Certificate**

**Winner: 1<sup>st</sup> Place: Jill del Sol, Fayetteville High School East**

**HM: Kaleb Horlick, Fayetteville High School East**

**Robinson Ford, Russellville High School**

**Marya Jean McKee, Fayetteville High School East**

**Steven McFarlin, ASMSA-Jonesboro**

**American Meteorological Society**

**Award: Certificates for the best project related to meteorology**

**Winner: Joshua Bregy, ASMSA-Maumelle**

**American Psychological Association**

**Award: Certificate Award for the most outstanding project related to psychology**

**Winner: Chrystal Lau, Little Rock Central High School**

**Arkansas Council of Math Teachers Award**

**Award: \$100 to the first place winner of the mathematics category**

**Winner: Helena Liu, Little Rock Central High School**

**Arkansas Dietetics Association**

**Award: Certificate recognizing the most outstanding project related to nutrition.**

**Winner: Joel Freeman, Fayetteville High School East**

**Arkansas Mentor Program (Given by UAMS) to projects related to medicine and health from rural schools.**

**Award: 1<sup>st</sup> Place \$100, Second Place \$75, 3<sup>rd</sup> Place \$50**

**Winner: 1<sup>st</sup>: Lauren Widner, Alpena High School**

**2<sup>nd</sup> : Lisa Robertson, Glen Rose High School**

**3<sup>rd</sup>: Roshini Patel, Lakeside High School**

**Arkansas Natural Heritage Commission**

**Will be presented by Karen Smith, Arkansas Natural Heritage Commission Director - \$25 Each**

**Award: Certificate**

**Winner: Steve McFarlin, ASMSA-Jonesboro**

**Casey O'Hara, Little Rock Central High School**

**Rachel Roenfeldt, Fayetteville High School East**

**Caitlyn Sears, Alma High School**

**ASM International Foundation**

**Award: Certificate for the best project related to materials science**

**Winner: Nathanael Michelson, Alma High School**

**Association for Women Geoscientists Foundation**

**Award: Certificate for the best project related to geosciences done by a female student**

**Winner: 1<sup>st</sup> Place: Kaylee Gray, Nettleton**

**2<sup>nd</sup> Place: Meghan Ross, Alpena High School**

**3<sup>rd</sup> Place: Marya McKee, Fayetteville High School**

**Environmental Protection Agency Award**

**Award: Certificate**

**Winner: 1<sup>st</sup> Place: David Bright, Alpena**

**2<sup>nd</sup> Place: Robinson Ford, Russellville**

**3<sup>rd</sup> Place: Kaleb Horlick, Fayetteville**

**HM: Rachel Roenfeldt, Fayetteville**

**UCA Griffin Award for Creativity in Research in the Life Sciences**

**Award: Plaque that hangs in the science education lab at UCA and a certificate and \$150 for the student. \$50 for the student's teacher**

**Winner: Tatiana Riddle, ASMSA-Quitman**

**Teacher: Dr. John Ruehle**

**Intel Excellence in Computer Science Award**

**Award: Certificate and \$200 to first place in computer science**

**Winner: Jesse Thomason, ASMSA**

**Lockheed Martin Aerospace Engineering Award**

**Award: Certificate and \$100**

**Winner: Siteng Ma, Little Rock Central High School**

**Mu Alpha Theta Award (Mathematics)**

**Award: Certificate for the most outstanding project in mathematics**

**Winner: Helena Liu, Little Rock Central High**

**National Oceanic and Atmospheric Administration (NOAA)**

**Award: Certificate and Medal for the most outstanding project related to NOAA's research goals.**

**Winner: Molly Kennon, Cross County High School**

**National Society of Professional Engineers**

**Award: Certificate and pin for the project that utilized the most innovative engineering**

**Winner: Siteng Ma, Little Rock Central High**

**Ricoh Corporation for Environmental Sustainable Technologies**

**Award: Certificate for the project that most supports environmentally sustainable development**

**Winner: 1<sup>st</sup> place: Christina Thrift, Alma**

**Sigma Xi Award**

**Award: Certificate and \$100 (split)**

**Winner: Hamza Arshad, Little Rock Central High School**

**Intisar Islam, Little Rock Central High School**

**Society for *In Vitro* Biology**

**Award: Certificate for outstanding achievement, ability, and creativity in *In Vitro* Biology**

**Winner: Alexis Madle, Alpena High School**

**HM: Bayley Shields, Alpena High School**

**Society for Neuroscience-Arkansas Chapter**

**Award: 1<sup>st</sup> Place: Certificate**

**Winner: Robert Stokes, ASMSA- Bryant**

**Award: 2<sup>nd</sup> Place Certificate**  
**Winner: Robert Michaelis, Alma High School**

**Society for Toxicology-South Central Chapter**

**Awards: Two awards for the most outstanding projects in toxicology. First place will receive \$100. Second place will receive \$50 and a plaque.**

**1<sup>st</sup> Place Winner: Safia Nawaz, Little Rock Central High School**

**2<sup>nd</sup> Place Winner: Samantha Jo McClenahan, ASMSA-Bismark**

**Stockholm Junior Water Prize Sponsored by the Water Environment Foundation**

**Award: Certificate for outstanding water related research**

**Winner: Robinson Ford, Russelleville High School**

**U.S. Dept. of Health & Human Services**

**Award: Certificate in recognition of the most outstanding two projects related to the Surgeon General's focus on promoting healthy lifestyles through physical activity, balanced nutrition, injury prevention, and avoidance of tobacco and substance abuse.**

**Winners: Bayley Shields, Alpena HS**

**US Geological Survey-Best Geology Project**

**Award: Certificate**

**Winner: Kaleb Horlick, Fayetteville High School East**

**U.S. Metric Association**

**Award: Certificate to be awarded to the student who best uses the international System of Units in their science fair project**

**Winner: Ladonna Walker, Alpena High School**

**U.S. Air Force Awards**

**Award: Four students whose research is related to Air Force interests. Winners will receive a certificate, a pad folder, a WiFi Finder, USB flash drive, ball point pen, and a messenger bag**

**Winners: Math: Helena Liu, Little Rock Central High**

**Computer Science: Jessie Thomason**

**Engineering: Siteng Ma, Little Rock Central High**

**J.D. Waugh Award for Most Innovative Engineering Project**

**Award: \$200 and certificate**

**Winner: Siteng Ma, Little Rock Central High School**

**Yale Science & Engineering Award**

**Award: Certificate for the most outstanding 11<sup>th</sup> grade exhibit in the categories of chemistry, computer science, engineering, or physics**

**Winner: Josh Lintag, Little Rock Central High School**

## **Teacher Award**

**Dawson Education Co-op**

**Award: \$50 awarded to a teacher who has been very involved in  
ASEF preparation and activities**

**Winner (Tie): Scott Ausbrooks  
Darnelle Ausbrooks**

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**\*\*\*\*Pause ASEF Awards to give AR Junior Academy Awards\*\*\*\***

**Dr. Nolan Carter, Director of the Arkansas Junior Academy of Sciences will  
announce the awards**

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### **RECOGNITION OF REGIONAL ISEF FINALISTS**

**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 Reno, NV, May 10-15. These ISEF finalists will receive  
trading pins and an Arkansas Science Fair T-shirt.**

**Cent. Region (University of Arkansas at Little Rock), Dr. Jane Meadows,  
Director**

**Individual Finalists: David Ye, Little Rock Central High School,  
Boshan Zhao, Little Rock Central High School**

**Team Finalists: Aaron Scruggs and Kristen Kearney, Russellville High**

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

**Individual finalists: Molly Kennon, Cross County High School,  
Mary Rougeau, Nettleton High School**

**Team finalists: Mandi Bauer and Hailey Skonhovd, Nettleton High School**

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

**Individual Finalists: Anthony Lee Brendan, Alma High School and Alexis  
Madle, Alpena High School**

**Team Finalists: Ashley Smith and Lesley Smith, Alpena High School**

**South East Region (Univ. of Ark. at Monticello), Guy Nelson, Director**

**Individual Finalists: Lynnae Garner & Adam Jones**

**Team Finalist: \_N/A**

**South West Region, Mary Crisp, Coordinator**

**No finalists were reported to ASEF this year**

**West Central Region (Hot Springs - ASMS), Dr. Brian Monson, Director**  
**Individual Finalists: Sarah Stanger and Brett Clark, ASMSA**

**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, and team project students to attend the International Science and Engineering Fair, held May 10-15, in Reno, NV. The costs of accompanying adult for the 1<sup>st</sup> place winner will also be covered, and half the costs of the accompanying adult for the 2<sup>nd</sup> place winner will be covered. These awards are valued at approximately \$5000. The 3<sup>rd</sup> and 4<sup>th</sup> place overall winners may attend ISEF as observers, if they wish.)

**4<sup>th</sup> Place Winner and ISEF observer: Muhammad Abu-Rmaileh,  
Little Rock Central High School**

**3<sup>rd</sup> Place Winner and ISEF observer: Robert Stokes, ASMSA-Bryant**

**2<sup>nd</sup> Place Winner and ISEF finalist representing this year's AR Science and Engineering Fair and winning \$250: Siteng Ma, Little Rock Central High School**

**1<sup>st</sup> Place Winner and ISEF finalist representing this year's AR Science and Engineering Fair and winning \$500, sponsored by Southwest Energy: Jesse Thomason, ASMSA- Friendship**

**1<sup>st</sup> Place Team Project and ISEF finalists and each winning \$250, sponsored by Southwest Energy: Hamza Arshad and Intisar Islam, 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 travelling plaque which will stay at their school this year.**

**Fifth Place (\$50): Boshan Zhao, Little Rock Central High School**

**Fourth Place (\$100): Sarah Stanger, ASMSA-Little Rock**

**Third Place (\$150): Brett Clark, ASMSA**

**Second Place (\$200): Brendan Lee**

**First Place (\$300): David Ye, Little Rock Central High School**

**BEST IN STATE TEAM AWARD - a "Traveling Trophy" to remain at the high school for one year**

**Winning Team Project: Hamza Arshad and Intisar Islam, Little Rock Central High School**

**State Champion Schools**

**Class A: Alpena High School**

**Class AA: Cross County High School**

**Class AAA: Glen Rose High School**  
**Class AAAA: vacant**  
**Class AAAAA: Alma High School**  
**Class AAAAAA: Pine Bluff High School**  
**Class AAAAAAA: Arkansas School for Math, Sciences, and the Arts**  
**Overall Grand Prize Winner: Arkansas School for Math, Sciences, and the Arts**

**ROBERT T. KIRKWOOD - JUDITH BEAN MEMORIAL AWARD**

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

**Winner: Mark Welch**

**Previous awardees:**

**2008: Jack Gaiser, UCA**  
**2007: Rosemary Blassingame, Alma Middle School**  
**2006: Mike Rapp, UCA**  
**2005: Scott Ausbrooks, Harmony Grove**  
**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, each school is asked to send "Thank you" notes to the contributors to the fair and sponsors of the awards you received. Contacts for sponsors will be given to a teacher from each school.**

**All student ISEF FINALISTS and adults going to the International Science Fair are asked to follow Dr. Bland for a meeting.**

**Mark Bland: Final Comments**  
**THANKS TO ALL....**