

Kentucky Science & Engineering Fair - All Divisions - Special Awards

Association for Women Geoscientists - Certificate

Tharani Subramaniam - Central Kentucky Regional Science & Engineering Fair - High School
Soil-Water Relationships in Different Soil Horizons and Landscape Positions

Best of Fair - HS - Life - 1st

Robi Bolli - duPont Manual Regional Fair - High School
Therapeutic potency of physioxia cultured cardiac mesenchymal cells for myocardial repair in mice with a 30-day-old myocardial infarction

Best of Fair - HS - Life - 2nd

Saisha Dhar - Central Kentucky Regional Science & Engineering Fair - High School
The Role of Apoptosis Signal-Regulating Kinase 1 in Hyperoxia-Induced Lung Injury

Best of Fair - HS - Life - 3rd

Sonia Nagpal - duPont Manual Regional Fair - High School
The Effect Of Optical Illusions on Working Memory

Best of Fair - HS - Physical - 1st

David Vulakh - Central Kentucky Regional Science & Engineering Fair - High School
Parallel Max-Min Ant Colony System for solving combinatorial constraint-satisfaction problems

Best of Fair - HS - Physical - 2nd

Elizabeth Gallagher - duPont Manual Regional Fair - High School
Exploring the Conversion of Plastics to Porous Carbon

Best of Fair - HS - Physical - 3rd

Lauren Sotingeanu - Central Kentucky Regional Science & Engineering Fair - High School
The Future of Plastic

Best of Fair - MS - Life - 1st

Anirudh Srinivasan - Meyzeek Regional Science Fair - Middle School
Analyzing human movement and the detection of falls

Best of Fair - MS - Life - 2nd

Emerson Wyatt - LRSEF - Middle School
Hyssop: a Kentucky Native Cancer Treatment

Best of Fair - MS - Life - 3rd

Prisha Tyagi - Meyzeek Regional Science Fair - Middle School
Can The Garlic Compound "Allyl Sulfide" be a Future Therapeutic for Preventing Alzheimer's Disease?

Best of Fair - MS - Physical - 1st

Shraman Kar - Meyzeek Regional Science Fair - Middle School
Machine Learning Algorithm (Convolutional Neural Networks) to Detect Icebergs From Satellite Images to Help Reduce Global Warming, Oil Spill and Improve Safety of Arctic Navigation

Best of Fair - MS - Physical - 2nd

Fahmeeda Mohammad - LRSEF - Middle School
Voice Recognition Modules

Best of Fair - MS - Physical - 3rd

Gerald Winkler - Central Kentucky Regional Science & Engineering Fair - Middle School
Urban vs. Rural: Exposing the Biggest Culprits in the Problem of Nutrient Pollution in Our Water

Broadcom MASTERS - Opportunity to compete nationally and win cash prizes

Tanner Aslan - LRSEF - Middle School
Creating an Artificial Intelligence That Pursues a Moving Target

Oliver Carmack - LRSEF - Middle School
Improving Rigidity in Bioplastics

Lucy Doyle - LRSEF - Middle School
The Link Between Bullying, Anxiety, and Childhood Trauma

Justin Huang - Meyzeek Regional Science Fair - Middle School
How do parameters affect the dynamic stability of a mathematical population model?

Shraman Kar - Meyzeek Regional Science Fair - Middle School
Machine Learning Algorithm (Convolutional Neural Networks) to Detect Icebergs From Satellite Images to Help Reduce Global Warming, Oil Spill and Improve Safety of Arctic Navigation

Sargun Kaur - Meyzeek Regional Science Fair - Middle School
How does time effect the growth and smell of Synthetic DNA

Leah Niemann - LRSEF - Middle School
Exploring Neurotoxin Shed in Child Products

Chloe Nunn - LRSEF - Middle School
Screen Light Poison: Does Digital Screen Blue Light Impact Health?

Yash Pathak - Meyzeek Regional Science Fair - Middle School
Automated Digital Data Conversion

Brody Peters - LRSEF - Middle School
As Safe as they Say? The Effect of SLSA on Mussel Filtration

Katie Quinn - LRSEF - Middle School
Exploring the Cause of Atrazine's Impact on the Nervous System

Ellery Reynolds - LRSEF - Middle School
Does inhaling air fresheners affect DNA integrity

Nithin Senthilvel - Meyzeek Regional Science Fair - Middle School
The Short-Term Effects of Disparate Concentrations of Calcium Ammonium Nitrates on the Heart Rate of Daphnia Magna.

Isaac Stroud - LRSEF - Middle School
Creating Fire Retardant Hydrogels

Ayushi Yadav, AnneGracy Liberal - Meyzeek Regional Science Fair - Middle School
The effect of various types of sugars and food-based stimulants on the energy and hyperactivity of ants.

Dr. Barbara Ramey Physical Sciences Award - Certificate and \$50 cash award

Jaley Adkins, Madison Slone - East Kentucky Regional Science and Engineering Fair - High School
Au and Ag Nanoparticles from Invasive/Ornamental Plant Extract for Cancer

GENIUS Olympiad

Arsonlove Abney - duPont Manual Regional Fair - High School
Testing the Effect of Salt Alternatives on Conductivity Using Soil Columns

Seun Adekunle - Central Kentucky Regional Science & Engineering Fair - High School
Development of a Smart Outlet based system for appliance identification

Gia Mendiratta - duPont Manual Regional Fair - High School
Selenium Speciation

Shridha Rajeswar - duPont Manual Regional Fair - High School
Analysis of Water Quality With the Help of Machine Learning

US Agency for International Development (USAID)

Vedha Balamurugan - LRSEF - Middle School
Anti-diabetic effect of bitter tasty plant products on type 2 diabetic children: Importance of human neglected bitter taste

Amazon - Amazon Innovation Award - 1st place - HS - Certificate and \$75

Seun Adekunle - Central Kentucky Regional Science & Engineering Fair - High School
Development of a Smart Outlet based system for appliance identification

Amazon - Amazon Innovation Award - 1st place - MS - Certificate and \$75

Jacob Estep - East Kentucky Regional Science and Engineering Fair - Middle School
Death By WiFi

Amazon - Amazon Innovation Award - 2nd place - HS - Certificate and \$50

Kierra George-Bonner - LRSEF - High School
Girls Memory vs. Boys Memory

Amazon - Amazon Innovation Award - 2nd place - MS - Certificate and \$50

Isabella Eerenberg, Olivia Patton - Science & Engineering Fair of Northern Kentucky - Middle School
DNA Extraction from Strawberries

Amazon - Amazon Innovation Award - 3rd place - HS - Certificate and \$25

Christian Keller - Central Kentucky Regional Science & Engineering Fair - High School
The Effect of Altered Forms of Transcription Factor AGAMOUS-Like 15 that Cannot Repress Gene Expression in Somatic Embryogenesis

Amazon - Amazon Innovation Award - 3rd place - MS - Certificate and \$25

Kevin Stone - LRSEF - Middle School
Reaction Time

American Institute of Prof. Geologists - American Institute of Prof. Geologists - Book + \$50

Tharani Subramaniam - Central Kentucky Regional Science & Engineering Fair - High School
Soil-Water Relationships in Different Soil Horizons and Landscape Positions

American Meteorological Society - American Meteorological Society - Certificate and Publication of name in AMS Bulletin

Exhibit in atmospheric science

Murari Srinivasan - duPont Manual Regional Fair - High School
Construction of a 6-Axis Accelerometer Based Wave Analysis Buoy With Wave Function Prediction

American Psychological Association - American Psychological Association Award - Certificate and Listing with APA Education Directorate

Best project on psychological science

Khalid Rashad - Central Kentucky Regional Science & Engineering Fair - High School
A Machine Learning Approach to Facilitate Autism Spectrum Disorder Diagnosis

ASM - ASM Material Education Foundation - Certificate (ribbon to be mailed at later date by ASM)

Solutions to human sustainability issues

Jedidiah Tillman, Yafet Zewdie - LRSEF - High School
Pairing Hemp Fiber with Resin Glue and Fiberglass to Create Hemp Fiberboard

Dr. Robert Creek - Dr. Robert Creek Life Sciences Award - Certificate and \$50 cash award

Jaley Adkins, Madison Slone - East Kentucky Regional Science and Engineering Fair - High School
Au and Ag Nanoparticles from Invasive/Ornamental Plant Extract for Cancer

Mu Alpha Theta Mathematics Honor Society - Mu Alpha Theta Mathematics Award - Certificate

Award for the best use of mathematics.

Shubh Gupta - duPont Manual Regional Fair - High School
A Reconceptualization of the Multiple Traveling Salesman Problem: Engineering an Approximate Algorithm for Cost

NASA - NASA Earth System Science Award - Opportunity to be invited to NASA science colloquium

Charlotte Blevins - Central Kentucky Regional Science & Engineering Fair - Middle School
The Mystery of Mist: Effectiveness of air temperature reduction through rapid atomized water droplet evaporation

NOAA - Taking the Pulse of the Planet Award - Medallion

Projects that reflect changes in climate, weather & water cycle events, commerce & transportation

Shraman Kar - Meyzeek Regional Science Fair - Middle School
Machine Learning Algorithm (Convolutional Neural Networks) to Detect Icebergs From Satellite Images to Help Reduce Global Warming, Oil Spill and Improve Safety of Arctic Navigation

Office of Naval Research - Navy/Marine Corp Excellence in Research Award-Grades 6 - 8 - Medallion

Awarded to best research in military related work

Todd Prater - East Kentucky Regional Science and Engineering Fair - Middle School
Solar Soldier

Office of Naval Research - Navy/Marine Corp Excellence in Research Award-Grades 9 - 12 - \$75 gift card for Tech Mgmt Training Group and medallion

Awarded to best research in military related work

Varun Chandrashekhar - duPont Manual Regional Fair - High School
Automatic Portable Phoropter and Autofocus Glasses using an Integrated Variable Focal Liquid Lens

Ricoh Americas Corporation - Ricoh Sustainable Development Award 2015 - Certificate and Eligible for Ricoh ISEF award (scholarships)

Project that demonstrated the principles and technical innovations that offer the greatest potential for Sustainable Development

Leah Blevins, Joshuah Cordial - Science & Engineering Fair of Northern Kentucky - High School
Top or Bottom? Photosynthesis is unbe"leaf"able

Society for In Vitro Biology - Certificate of Outstanding Achievement in In Vitro - Certificate and Formal letter from the Society for In Vitro Biology and society newsletter recognition

Restricted to 11th grade student exhibiting in in vitro biology or tissue culture

Renuka Gentela - Central Kentucky Regional Science & Engineering Fair - High School
Syngeneic Bone Marrow Cell Transplants Can Reduce the Risk of Acute GVHD

The Lemelson Foundation - Lemelson Early Inventor Prize - \$100 cash prize

The Lemelson Early Inventor Prize was designed by the Society for Science & the Public and The Lemelson Foundation to engage and inspire the next generation of inventors, especially emphasizing the critical time that middle school represents in student development. Through this grant, the Society and The Lemelson Foundation aim to highlight young inventors whose projects exemplify the ideals of inventive thinking by identifying a challenge in their community and creating a solution that will improve the lives of others.

Oliver Carmack - LRSEF - Middle School
Improving Rigidity in Bioplastics

United States Air Force - U.S Air Force Award - Grades 6 - 8 - Unknown

The award is meant to encourage studies in math, sciences and engineering areas and where possible recognize projects that offer Air Force applicability.

George Bryant - LRSEF - Middle School
Engineering a Novel Alert System for Wound Monitoring

Arjun Parmar - Meyzeek Regional Science Fair - Middle School
How does the percentage flexion of your robotic articulated finger influence its ability to lift a paper cup?

United States Air Force - U.S Air Force Award - Grades 9 - 12

Best military award

Nimish Mathur, Demos Negash - duPont Manual Regional Fair - High School
Assessing the Structural Strength of Concrete Members Using a Low-Cost, Non-Invasive Monitoring System

US Army - US Army Award

Seun Adekunle - Central Kentucky Regional Science & Engineering Fair - High School
Development of a Smart Outlet based system for appliance identification

Phoebe Boylan - duPont Manual Regional Fair - High School
The Effects of Noise Barriers on Near-Road Air Quality

Jackson Gabbard, Parker Stewart - Central Kentucky Regional Science & Engineering Fair - High School
Mono-Axis Solar Tracker to Maximize Photovoltaic Cell Production

Varun Hariprasad - Central Kentucky Regional Science & Engineering Fair - High School
A Helping Hand - An Arduino Controlled Robotic Arm for the Disabled

Water Environment Federation - Stockholm Junior Water Prize - Regional Certificates and Nomination to the State SJWP Competition

Best water-related research

Shridha Rajeswar - duPont Manual Regional Fair - High School
Analysis of Water Quality With the Help of Machine Learning

Yale Science & Engineering Association - Yale Science & Engineering Association - Formal certificate and medallion from Yale Science & Engineering Association

Awarded to 11th grade winner in the Computer Science, Engineering, Physics or Chemistry Category.

Lauren Cail - LRSEF - High School
Reducing False Positives in Kastle-Meyer Presumptive Blood Tests

