

Louisville Regional Science & Engineering Fair - Special Awards Script - All Divisions

Amer. Assoc. of Dental Resch; Lvl Dental Soc; UofL - SAW1A - Senior Winner \$100 each student, \$100 each school, certificate, dinner w/ Louisville Dental Society

Dental Science Award

ME010JR - Electric Cigarettes: Are They Safe? - Junior

Molly McGuire

Amer. Assoc. of Dental Resch; Lvl Dental Soc; UofL - SAW1B - Junior Winner \$100 each student, \$100 each school, certificate, dinner w/ Louisville Dental Society

Dental Science Award

ME008SR - Triclosan: Antibacterial or Genotoxic? - Senior

Tanya Gupta

American Chemical Society - SAW2 - 3 top chemistry project winners

Top 3 Senior Division Chemistry project winners

CH002SR - Extent of the Power: Batteries - Senior

Cameron Cooper

CH004SR - Growing Alum Crystals - Senior

Laura Fryar

CH005SR - Temperature - Senior
Sydney Kessler

American Meteorological Society - NAT1 - Certificate and name in magazine

Winning projects should be limited to the atmospheric and related oceanic and hydrologic sciences. Summary of winners e-mailed to the AMS sciencefair@ametsoc.org by Aug. 1

EA001SR - Do Hurricanes Cool the Ocean? - Senior
Bennett Schramko

American Psychological Association - NAT2 - Certificate

Special award recognizing outstanding research in psychological science

BE004SR - The Impact of Compassion on the Actions of a Bystander - Senior
McKenzie Ballard

American Society of Civil Engineers - SAW3 - 1 Certificate + \$50

Awarded to the project best depicting the civil engineering profession

EV004JR - CSO Proximity Creates Patterns in Shoreline Bacterial Contamination - Junior
Lilly Doninger

ASM Materials Education Foundation - NAT3 - Certificate and medallion

Criteria for award: 1. Use of materials-related concepts. 2. Demonstration of some aspect of the materials paradigm, i.e., structure-processing-properties-performance relationships 3. Clarity in presentation 4. Clear understanding of the scientific method 5. Aesthetics - layout of the project, neatness, etc.

EN004SR - Application of UV Resins in Extrusion-Based 3D Printing - Senior
Joshua Jacob

Association for Women Geoscientist - NAT4 - Certificate

Award to female student whose project exemplify high standards of innovativeness and scientific excellence in the geosciences.

EM004SR - Coal-Ash Pond Management: Studying Groundwater Flow using Darcy - Senior
Natasha Gupta

Azland Risk Management, LLC - SAW4 - Senior only - Certificate

Award can be given across any category.

EV009JR - Correlating Fly Ash Distribution With the Presence of Hexavalent Chromium - Junior
Will Drury

Bluegrass Food Technology Group - SAW5A - Certificate + \$100

No restrictions on categories. Top Science Fair Projects that is related to Food

CH001SR - The Effect of Column Chromatography on Orange and Grape Soda - Senior
Athena Founder

Bluegrass Food Technology Group - SAW5B - Certificate and \$50 Cash Award

2nd place Science Fair Project that is related to Food

BI007SR - Chemical Energy Stored in Foods - Senior
Tatiana Aliaga-Mendoza

Delta Kappa Gamma, International, Averitt Express - SAW6A - Certificate + \$30 Junior

Available across any category, transportation preferred.

EE003JR - Wheel Impacts - Junior
Evan Ekbundit

CH009JR - Ethanol Production from Waste Wood - Junior
virginia sheldon

Delta Kappa Gamma, International, Averitt Express - SAW6B - Certificate + \$30 Senior

Available across any category, transportation preferred.

MI007SR - The Best Method for Cleaning Hands - Senior
Tristan Thrailkill

Delta Kappa Gamma, International, Community North - SAW7A - Certificate + \$30 Junior

Awarded across any category, focusing on medicine and health

EM001JR - Good for your home = Good for our planet - Junior
Aaron Barr

Delta Kappa Gamma, International, Community North - SAW7B - Certificate + \$30 Senior

Awarded across any category, focusing on medicine and health

AS006SR - Wrestlers before and after practice - Senior
Raven Stinebruner

Delta Kappa Gamma, International, Gleneagles Hosp. - SAW8 - Certificate + \$40

Awarded across any category

ME007JR - think before you drink - Junior
ISAIAH PACHECO

Delta Kappa Gamma, International, John C. Lincoln - SAW9 - Certificate + \$35

Awarded across any category, preferred health & medicine

EN007JR - The Effect of Light On clothing. - Junior
Keilen Frazier

Delta Kappa Gamma, International, Theta Chapter - SAW10A - Certificate + \$25 Junior

Awarded across any category

EN005JR - The Power Of Wind - Junior
Hannah Martin

BE015JR - Psychological Impact: Personality & Activities - Junior
Uria Park

EN009JR - Glue strength - Junior
Laura Starcher

Delta Kappa Gamma, International, Theta Chapter - SAW10B - Certificate + \$30 Senior

Awarded across any category

CB004SR - Twins - Senior
Rachel Southerland

Delta Kappa Gamma, International, TPC Scottsdale - SAW11 - Certificate + \$40

Awarded across any category, preferred physics in sports

BI006SR - Stomach Acid Digestion - Senior
Sterling Bowen

GE APAF - SAW12B - Certificate + \$100 Senior

Awarded to project that demonstrates clear understanding of the problem with conclusions drawn from competent research and observations and clearly communicated by presenter. Preferred Categories: Engineering, Computer Science, Physics, and Chemistry

EN004SR - Application of UV Resins in Extrusion-Based 3D Printing - Senior
Joshua Jacob

GE APAF - Clear Thinker Award - SAW12A - Certificate + \$100 Junior

Awarded to project that demonstrates clear understanding of the problem with conclusions drawn from competent research and observations and clearly communicated by presenter. Preferred Categories: Engineering, Computer Science, Physics, and Chemistry

EE006JR - Exploring Cables in Bridges - Junior
Luke Boehnlein

GE Best of Fair Award - Junior - SAW26 - Certificate and \$250 each

Top 3 Senior Division Project

BE012JR - Investigating Boredom - Junior
Piper Grinstead

CB006JR - Air fresheners and Your Health - Junior
mark schrenger

MI002JR - KY Catfish Mucus; A Novel Antimicrobial - Junior
Anna Kate Stukenborg

GE Best of Fair Award - Senior - SAW25 - Certificate and \$360 each

Top 5 Senior Division Project

EV003SR - Relations between Mycorrhizal Abundance and Biofuel Crop Yield - Senior
Erin Burba

EM004SR - Coal-Ash Pond Management: Studying Groundwater Flow using Darcy - Senior

Natasha Gupta

ME008SR - Triclosan: Antibacterial or Genotoxic? - Senior

Tanya Gupta

EN004SR - Application of UV Resins in Extrusion-Based 3D Printing - Senior

Joshua Jacob

CS003SR - Increasing Encryption Strength through the Alteration of Data Readability without a Key - Senior

Jakob Williamson

Hexion Speciality Chemicals - SAW13A - Junior: 1 certificate & \$100

Awarded across any category, preferred chemistry, etc.

CS001JR - Not Seeing Is Still Believing - Junior

Ben Keeney

Hexion Speciality Chemicals - SAW13B - Senior: 1 certificate & \$100

Awarded across any category, preferred chemistry, etc.

EV006SR - How does the amount of fish in an aquaponic system change nutrient levels? - Senior

Nathan Sparks

I-SWEEP - NAT10 - Invitation to attend the annual International Sustainable World Project Olympiad (I-SWEEP). Prize includes hotel accommodations, breakfasts, and field trip costs during the fair for student and 1 adult supervisor (parent or teacher)

Special award that display outstanding work in the theme of environmental sustainability and innovation.

EV003SR - Relations between Mycorrhizal Abundance and Biofuel Crop Yield - Senior
Erin Burba

INTEL Excellence in Computer Science - NAT7 - Certificate, \$200 cash prize

Top 1st place Computer Science Category winner in Senior Division

CS003SR - Increasing Encryption Strength through the Alteration of Data Readability without a Key - Senior
Jakob Williamson

Intel ISEF - NAT8 - Paid trip to attend Intel ISEF 2015 in Pittsburgh, PA.

Top 5 Best of Fair Winners - Senior Division

EV003SR - Relations between Mycorrhizal Abundance and Biofuel Crop Yield - Senior
Erin Burba

ME008SR - Triclosan: Antibacterial or Genotoxic? - Senior
Tanya Gupta

EM004SR - Coal-Ash Pond Management: Studying Groundwater Flow using Darcy - Senior
Natasha Gupta

EN004SR - Application of UV Resins in Extrusion-Based 3D Printing - Senior
Joshua Jacob

CS003SR - Increasing Encryption Strength through the Alteration of Data Readability without a Key - Senior
Jakob Williamson

Kentucky Gas Association - SAW15A - Certificate + \$50 Junior

Awarded across any category for projects related to the natural gas industry including safety, corrosion, etc.

MI005JR - Hydraulic Fracturing Fluid Impacts Bacteria Populations - Junior
Jack Hummel

Kentucky Gas Association - SAW15B - Certificate + \$50 Junior

Awarded across any category for projects related to the natural gas industry including safety, corrosion, etc.

ME004JR - Fracking Fluid: Neurotoxicity and Soil Duration - Junior
Ellie Hummel

Kentucky Science Center - SAW16 - 1 - Kentucky Science Center membership

Awarded across any category

EE003SR - Electricity negatives and positives - Senior
Otis Brown jr

Kentucky Society of Natural History (KSNH) - SAW17A - \$25 plus membership & field trip to one Junior participant

Focus on projects that help to support Natural History/Biodiversity knowledge for those whose residence is in Kentucky. This Special Award will be presented to a Senior and Junior participant who presents in any area of the Natural Sciences.

PS001JR - Salt Stressed Plants Communication: Soil Condition Information - Junior
Corey McGarvey

Kentucky Society of Natural History (KSNH) - SAW17B - \$25 plus membership & field trip to one Senior

Focus on projects that help to support Natural History/Biodiversity knowledge for those whose residence is in Kentucky. This Special Award will be presented to a Senior and Junior participant who presents in any area of the Natural Sciences.

PS001SR - Artificial Lights Effect on Plant Growth - Senior
Elizabeth Hall

Kentucky Society of Professional Engineers - SAW18 - Certificate + \$50

Awarded across any category for projects exhibiting excellence in the engineering fields.

EE004JR - Investigating Flutter and Galloping in Cable-Stayed Bridges - Junior
Julia Renz

KY Chapter of Certified Hazardous Materials Mang. - SAW14 - Certificate + \$400

Awarded across any category.

EM004SR - Coal-Ash Pond Management: Studying Groundwater Flow using Darcy - Senior
Natasha Gupta

Louisville Tropical Fish Fanciers - SAW19 - Two \$25 awards, Junior or Senior

Awarded across any category.

EV006JRT - Green River vs Ohio River: Water Testing - Junior
Mansur Estes
Abdirahman Mire

PS001SR - Artificial Lights Effect on Plant Growth - Senior
Elizabeth Hall

Mercedes-Benz Club of America, Bluegrass Stars Sec - SAW21 - Certificate + \$100 + Invitation to Technical Session with the Club

Automotive Science Award, can be any category

EV003SR - Relations between Mycorrhizal Abundance and Biofuel Crop Yield - Senior
Erin Burba

Mu Alpha Theta, The Honorary Mathematics Society - NAT11 - Certificate

Awarded to individual or group project demonstrating the most challenging, original, thorough, and creative investigation of a problem involving mathematics accessible to a High School student.

MA001SR - Origami and its Theorems - Senior
Abigail Goldberg

National Oceanic and Atmospheric Assoc. (NOAA) - NAT12 - Letter, certificate, and NOAA medallion

Award will go to one individual (middle or high school) selected from among all general award categories whose research emphasizes NOAA's mission of Science, Service, and Stewardship in climate, weather, ocean and coastal sciences.

EA002JR - Nanoparticle Pollution Affects Cloud Dynamics - Junior
Elee Gernert

Office of Naval Research - NAT13A - Junior: Certificate and medallion

Naval Science Award given to projects competing as individuals only. Up to 3 senior and 3 junior award winners

EE005JR - Conceptualization, Development, Construction, and Testing of a Wind Tunnel - Junior
Kyra Anderson

PH010JR - Magnetic Fields Effect Electrolyte Vaporization Rates - Junior
Ruthie McBride

EE004JR - Investigating Flutter and Galloping in Cable-Stayed Bridges - Junior
Julia Renz

Office of Naval Research - NAT13B - Senior: Certificates, medallions and \$50 gift cards.

Naval Science Award given to projects competing as individuals only. Up to 3 senior and 3 junior award winners

EV003SR - Relations between Mycorrhizal Abundance and Biofuel Crop Yield - Senior
Erin Burba

EM004SR - Coal-Ash Pond Management: Studying Groundwater Flow using Darcy - Senior
Natasha Gupta

EM001SR - Impact of Dissolved Oxygen on Fertilizer - Senior
Alexis Sachleben

Ricoh Americas Corporation - NAT14 - Certificate

Awarded to project that have principles & technical innovations that offer the greatest potential for increasing our ability to grow environmentally friendly & socially responsible businesses. Project must also protect the environment & conserve resources, pollution prevention, and use all resources in a more sustainable business matter.

EM002SR - Energy-from-Waste (EfW): The Trashy Solution to a Sustainable Future - Senior
Ellen Tyra

Society for In Vitro Biology - NAT15 - Certificate

Winner must be in 11th grade with an exhibit in the area of plant or animal in vitro biology or tissue culture.

ME003SR - SPF vs Yeast: The Effect of Sunscreen on the Growth of Yeast - Senior
Danielle Kennedy

Stockholm Junior Water Prize - NAT16 - 3 regional certificates and nominations for the state SJWP Competition

Water prize certificates are awarded to the US high school student, age 15-20 and presently in 9-12 grades displaying the best water-related high school science projects.

EV004SR - Techniques to reduce water evaporation in reservoirs - Senior
Kairav Kukkala

United States Public Health Service - NAT19 - Letter, certificate, and medallion

Science Projects related to prevention and wellness topics. Award winning projects should be innovative and creatively illustrate scientific approaches to address disease and injury prevention such as skin cancer, and wellness promotion

ME010JR - Electric Cigarettes: Are They Safe? - Junior
Molly McGuire

US Air Force - NAT17 - N/A

N/A

EE005JR - Conceptualization, Development, Construction, and Testing of a Wind Tunnel - Junior
Kyra Anderson

EN005JR - The Power Of Wind - Junior
Hannah Martin

ET003JR - Paper Airplanes - Junior
Lorna Meredith

PH004JR - Flight - Junior
Joyce Overstreet

US Geological Survey (USGS) - SAW27A - Certificate and Medal

Environmental Science Category

EV003SR - Relations between Mycorrhizal Abundance and Biofuel Crop Yield - Senior
Erin Burba

US Geological Survey (USGS) - SAW27B - Certificate and Medal

Environmental Science - Junior

EM092JR - BASE FLOW QUALITY AFFECTS HARMFUL ALGAL BLOOMS - Junior
Emma Cammack

Yale Science & Engineering Association - NAT20 - Certificate

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

BI004SR - To Be Ripe Or Not To Be Ripe - Senior
Quoc (Calvin) Pham