

"Do Science" Award - Family membership to the KY Science Center.

Presented By: KY Science Center

Jayanna Bracken - Central High School

How does inflated and flat balls effect a person skill or how they play?

Amazon Innovation Award - \$100

Presented By: Amazon Innovation Fund of the Ky Science & Engineering Fair

Kierra George-Bonner - Central High School

Girls Memory vs. Boys Memory

Bryanna Gardner - Valley High School

How effective is 2019/2020 flu shot?

American Chemical Society—ACS—Louisville Chapter

Lauren Cail - Ballard High School Science & Engineering Fair

Reducing False Positives in Kastle-Meyer Presumptive Blood Tests

Nicole Drucker - Ballard High School Science & Engineering Fair

The Effect of Different Liquids on a Cake's Density

Natalie Cooper - Gatton Academy of Science & Mathematics

Reactivity of platinum anticancer compound oxalato(1,4-dimethylpiperzine)platinum(II) with biological molecules

Allison Wagoner - Ballard High School Science & Engineering Fair

Glyphosate in Cereal

American Meteorological Society-Certificate and name in magazine

Emmy Cathcart - Ballard High School Science & Engineering Fair

Heavy Metals Found in Water

Michael Harris - Ballard High School Science & Engineering Fair

Can Sunlight Disinfect Contaminated Water

American Psychological Association- Certificate

Special award recognizing outstanding research in psychological science

Jocelyn Martin - Gatton Academy of Science & Mathematics

The Impact of Growing Older on the Accessibility of Emotion Words

American Society of Civil Engineers - 1 Certificate + \$25

Awarded to the project best depicting the civil engineering profession

Reginald Whyte Jr. - Central High School

upcycling an old shopping cart into a motorized vehicle

Association for Women Geoscientists - Certificate

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

Veenasravani Pendyala - North Oldham High School
The Effects of Daily Drugs on Plant Health

Niyati Vukkum - Ballard High School Science & Engineering Fair
Electrical Outputs of Substrates in Mud

Bluegrass Section - Institute of Food Technologists-Certificate + \$150

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

Nicole Drucker - Ballard High School Science & Engineering Fair
The Effect of Different Liquids on a Cake's Density

Delta Kappa Gamma - Certificate + \$30

Creative thinking to solve common problems or a twist on a traditional project.

Riley Pate - Saint Xavier High School, Louisville
Using a Layered Combination of an Analytics Data Pipeline and an Ensemble Multi-model to Forecast Highly Volatile Time-Series Data

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

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

Alyssa Couri - Valley High School
Giovanni

GE Best of Fair Award - Senior- Trophy and \$420 each –LRSEF travel grant to ISEF

Gloria Huang - Gatton Academy of Science & Mathematics Finding the Most Influential Factors In The Healing Process of Diabetic Foot Ulcers Using Parameter Space Geometry

Aditi Kona - North Oldham High School
Examining Mechanisms of Resistance in Palbociclib-Resistant Estrogen Receptor-Positive Breast Cancer Cells

Colin Roark - Saint Xavier High School, Louisville
Falling Particle Solar Receiver Research

Diksha Satish - Gatton Academy of Science & Mathematics
Discovery and Analysis of Microbacteriophage Squeegee

William Wiley - Valley High School
Does Your neighborhood affect Your likelihood of Develop Cardiovascular Disease?

Gibson Family Award - \$75 certificate, book for student and teacher
Niyati Vukkum - Ballard High School Science & Engineering Fair
Electrical Outputs of Substrates in Mud

Hexion, Inc. - Community Impact award - certificate & \$50
William Wiley - Valley High School
Does Your neighborhood affect Your likelihood of Develop Cardiovascular Disease?

Hexion, Inc. - Community Impact award - certificate & \$50
Jedidiah Tillman, Yafet Zewdie - Eastern HS
Pairing Hemp Fiber with Resin Glue and Fiberglass to Create Hemp Fiberboard

Hexion, Inc. Award – certificate and \$100

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

KPFF Engineering Achievement Award-\$100 plus certificate to be provided by KPFF
Project in any category showcasing achievement in engineering.
Jedidiah Tillman, Yafet Zewdie - Eastern HS
Pairing Hemp Fiber with Resin Glue and Fiberglass to Create Hemp Fiberboard

KY Chapter of Air & Waste Management Association (KY-AWMA)
\$100 check plus certificate

Senior - Awarded across any category focusing on conservation and/or responsible waste management
Bhanusri Satyavolu - Ballard High School Science & Engineering Fair
Evaluation of Wastewaters from Distillery and Potato processing plants for biogas production and water treatment

Louisville Dental Society, UofL School of Dentistry, Senior Winner \$150 for the student(s)

Presented By: and Louisville Section of the American Assoc. for Dental Research
Dental Science Award

Jaleia Marshall - Louisville Male High School
Hedgehog-signaling regulates adult taste bud innervation and plasticity

Louisville Water Company-\$300 plus a certificate

Awarded across any category that exhibits a knowledge of water quality.

Emmy Cathcart - Ballard High School Science & Engineering Fair
Heavy Metals Found in Water

Maryam's Charity - \$100

Green or Environmentally Friendly Award

Maryam's Charity, Inc. The mission of Maryam's Charity Inc. is to encourage and support by providing funds elementary, middle school, and high school grade students to explore STEM or educational projects with the intention in a way that showcases their creativity so that their gifts and invention can make the world a better place.

Solyana Mesfin - Eastern HS

Improving Math Skills: Can slowing down the example improve student comprehension of the idea?

Mu Alpha Theta, The Honorary Mathematics Society- 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.

Diamond Edwards - Valley High School

Mathmusical

Lukas Negron - Gatton Academy of Science & Mathematics

Manipulating Link Diagrams using Flypes

NASA Earth Systems Science Award-Certificate

Brooklynn Baugh - Eastern HS

Robotic Handicraft

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

Naval Science Award given to projects competing as individuals only.

Maggie Gossage - Gatton Academy of Science & Mathematics

Male Body Image and Action Figure Physiques

Diksha Satish - Gatton Academy of Science & Mathematics

Discovery and Analysis of Microbacteriophage Squeegee

Elisha VanZant - Gatton Academy of Science & Mathematics

A Screen for Protein Encoding Genes for Air Sac Primordium Invasion of the Wing Imaginal Disc in *Drosophila melanogaster*

Stockholm Junior Water Prize-

Regional certificate and nomination 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.

Bhanusri Satyavolu - Ballard High School Science & Engineering Fair

Evaluation of Wastewaters from Distillery and Potato processing plants for biogas production and water treatment

Success Through STEM-\$50 plus attending the Presentation Workshop with a former ISEF Finalist.

Presented By: Aimee Turner

Awarded to a non-category winner w/ an interest and passion for pursuing growth and advancement of their project.

Diamond Edwards - Valley High School
Mathmusical

U.S. Agency for International Development (USAID) Certificate

Niyati Vukkum - Ballard High School Science & Engineering Fair
Electrical Outputs of Substrates in Mud

William Wiley - Valley High School

Does Your neighborhood affect Your likelihood of Develop Cardiovascular Disease?

U.S. Air Force – certificate Middle or High school project

Shreeya Arora - Gatton Academy of Science & Mathematics
Cloud VR Therapy for PTSD Treatment
Jordan Wolken - Saint Xavier High School, Louisville
Fuel & Thrust Efficiency of a Pulsejet

Women Environmental Leaders of Louisville (WELL) - Certificate Senior

GALS - Girls Achieving Leadership through Science

Dayessi Chavez, Cheyla Tabares - Central High School
Effects of environmental conditions on landfills

Yale Science & Engineering Association -

Certificate - to an 11th grader or 10th if no 11th grade projects

Awarded in the Computer Science, Engineering, Physics or Chemistry Category.

Shreeya Arora - Gatton Academy of Science & Mathematics
Cloud VR Therapy for PTSD Treatment

Taylor Cattano, Aniyah Thorpe, Amy Patel - Eastern HS

Caffeine is a dehydrator: Investigation on a remedy for over caffeination.

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