LRSEF- General Award Script - High School

Animal Sciences

3rd Place

Trisha Eedarapalli - Ballard High School Science & Engineering Fair The Effect of Canine Saliva on Bacteria

2nd Place

Ibrahim Ashraf - Ballard High School Science & Engineering Fair What Color Light are Fish More Attracted to?

1st Place

Casey Guzman - Ballard High School Science & Engineering Fair What is the Average Intelligence of Rats?

Behavioral and Social Sciences

3rd Place

Khalida Raheem - Central Academy School The Relationship between People and Laughter

2nd Place

Jason Ho - Saint Xavier High School, Louisville Education in a 3-D Technological Environment

1st Place

Sarah Cecil - Ballard High School Science & Engineering Fair How Reliable Are Eyewitness Testimonies?

Biochemistry

3rd Place

Kunik Dhawan, Joshua Eddings, Giovanni Axibal - Eastern High Which plants work best with enzymes for decomposition into biofuels

2nd Place

Taylor Keen, Briaunna Anglin - Valley High School Dissolving Pain Killers in the Stomach

1st Place

Mariann Sleimat - Ballard High School Science & Engineering Fair

Do teens that have or had caries take more time for pH to go back to normal than the teens that don't have caries

Biomedical and Health Sciences

3rd Place

Darian Neal - Central Academy School Whitening Your Teeth

2nd Place

Eliana Head - Ballard High School Science & Engineering Fair Does Short-term Aerobic Exercise Positively Affect Memory Recall Ability in Young Adults

1st Place

Isabel Wolf - Ballard High School Science & Engineering Fair The Balance of Dancers vs Non-dancers

Biomedical Engineering

2nd Place

Claire Duck , Heather Sweet, Eliza Coulter Coulter - Eastern High Can Cocoa be a perservative

1st Place

Hannah Martin - Ballard High School Science & Engineering Fair Does Gender Play A Role In Risk For A Total Joint Replacement?

Cellular and Molecular Biology

3rd Place

Tamiah Boston, Rachel Vittitow - Eastern High

vitamins and herbal supplements vs medicine- Can vitamins provide the same healing properties compared to asprin?

2nd Place

Shivani Nellore - North Oldham High School

Some Cancer-Associated K-Ras Mutants can have Gain of Function Even When Bound to GDP

1st Place

Edward Zhong - Kentucky Country Day Can Yeast Help Boost the Immune Response to Cancer

Chemistry

3rd Place

Daniah Elathamna - Ballard High School Science & Engineering Fair Comparing the sweetness of sugar and sugar substitutes

2nd Place

Madelyn Steineker - North Oldham High School How much fluoride is absorbed in the mouth from drinking water?

1st Place

Kenny Morgan - Ballard High School Science & Engineering Fair Quick Relief Bio-Availability of Pain Relievers

Computational Biology and Bioinformatics

3rd Place

Jawad Saleem - Kentucky Country Day Structure Activity Relationship Models for Hepatotoxicity

2nd Place

Emma Valsted - Ballard High School Science & Engineering Fair

Which Techniques Are the Most Acurate At Predicting the Weather Compared to an Actual Weather Forecast?

1st Place

Vishaal Balamurugan - North Oldham High School

Why my Bioengineered Human Islets Cures Diabetes: Bioinformatics and Biochemical approaches to identify mechanism.

Earth and Environmental Science

3rd Place

Raymond Pfeiffer IV - Saint Xavier High School, Louisville Investigation of the Health Risks for Restaurant Employees

2nd Place

Delaney Ballard - Ballard High School Science & Engineering Fair The Impact of Dog Fecal Coliform on Nearby Waterways

1st Place

Kaden Grant - Ballard High School Science & Engineering Fair Reducing Pollution from Light Fixtures through Efficiency and Shielding

Embedded Systems

2nd Place

Emily Richardson - Ballard High School Science & Engineering Fair How Is Sound Produced From Vinyl Records?

1st Place

Patrick Yopp - Ballard High School Science & Engineering Fair Smart Pipes

Energy: Chemical

3rd Place

Gabriel Skaggs , Nathaniel Skaggs, jaden outten - Eastern High Chemical energy from Mud

2nd Place

Jayanshi Pathak - Ballard High School Science & Engineering Fair Microbial Fuel Cells

1st Place

Shirlin Kingston - Ballard High School Science & Engineering Fair Can The Efficiency Of Hydrogen Gas Production By Electrolysis Be Increased?

Energy: Physical 3rd Place

Arya Pallavarapu - Ballard High School Science & Engineering Fair Solar powered charger

2nd Place

Adam Abayev - Ballard High School Science & Engineering Fair Charge Funneling

1st Place

Collin Kemper - Saint Xavier High School, Louisville Essential Features of Hyperloop Systems

Engineering Mechanics

3rd Place

Avery Smith - Ballard High School Science & Engineering Fair Wind Resistance on a Mock Skyscraper

2nd Place

Joshua Jacob - Saint Xavier High School, Louisville Development of a Hybrid Direct Write 3D Printer: a Novel One-Step Approach to Fabricating Multi-Layer Functional Devices and Flexible Electronics Through Reactive Inkjet Printing

1st Place

Rachel Spaulding - Eastern High

Solar Updraft Tower-Wind Turbine Hybrid: Optimizing Power Generation in Multifarious Climatic Conditions Using Computational Fluid Dynamics Analysis

Environmental Engineering

3rd Place

Hadley Jostsons - Ballard High School Science & Engineering Fair The effect of water filtration systems on levels of Copper and Manganese in water.

2nd Place

Katie Bollinger - Ballard High School Science & Engineering Fair Comparing Biodegradation of Wipes Marketed as "Flushable"

1st Place

Aidan Villegas - Eastern High The Viability of Alternative Energy in the Indian Ocean

Materials Science

2nd Place

Allison Ogle - Ballard High School Science & Engineering Fair Which Field Hockey Stick Constuction Causes the Field Hockey Ball to Travel Farther?

1st Place

Elizabeth Jessie - Ballard High School Science & Engineering Fair An Investigation of the Effect of Curing Temperature of Epoxy on Torsional Strength

Mathematics

3rd Place

Jedidiah Tillman - Eastern High The Strengths of Electromagnets

2nd Place

Jada Graham - Ballard High School Science & Engineering Fair Tic-Tac-Toe Analysis

1st Place

Cassidy Whited - Valley High School Graphing Our Paths

Microbiology

3rd Place

Yafet Zewdie - Eastern High Can we use Nanotechnology clean oil spills

2nd Place

William Wiley - Valley High School Does Antibacterial Soap Work Better than Normal Soap?

1st Place

Lauren Cail - Ballard High School Science & Engineering Fair Musical Pathogens

Physics and Astronomy

3rd Place

PJ Perry - Valley High School Life on Other Planets

2nd Place

Eli Schramko - Ballard High School Science & Engineering Fair The Effect of Temperature on a Tennis Ball

1st Place

Ryan Valsted - Ballard High School Science & Engineering Fair
The Effect of Lighting on the Dynamic Range and Texture of a Photo

Plant Sciences

3rd Place

Charlotte Brown , Melissa Flores, Andrea Gullens - Central Academy School How Does Cigarette Smoke Affect Plant Growth?

2nd Place

Kaci McCarthy - Ballard High School Science & Engineering Fair Electricity vs No Electricity: Lima Bean Plant Growth

1st Place

Tryphena Sithu - Brown School Science Fair Symbiosis of Azospirillum brasilense and Three Selected Crops in a Hydroponic System

Robotics and Intelligent Machines

2nd Place

Zadie Kennedy, Andrew Delaney , Jacob Brown - Eastern High The Bot

1st Place

Sasmi Heellage - Ballard High School Science & Engineering Fair Building a Sensor Based Automated Irrigation System

Systems Software

2nd Place

Makayla Young, Diana Zivkovic - Eastern High VVIC

1st Place

Vishnupriya Ramasamy - Ballard High School Science & Engineering Fair Voice Technology For Speech or Hearing Impaired

Translational Medical Science

3rd Place

Gregory olds, Joseph Thompson, James Thompson - Eastern High Nighttime food consumption producing childhood obesity vs methods to prevent over eating at night

2nd Place

Laura-Lynn Skaggs - Valley High School The Shingles Cancer Correlation

1st Place

Vaitheesh Jaganathan - Ballard High School Science & Engineering Fair CAN TENDER COCONUT WATER INHIBIT THE GROWTH OF DIFFERENT TYPES OF CANCER CELLS