Animal Sciences

3rd Place

Max Natalie - Ballard High School Science & Engineering Fair The Effect of Melatonin on Daphnia Heart Rate

2nd Place

Darby Tassell - Gatton Academy of Science & Mathematics Is Nicotine Effective at Manipulating Sleep Patterns in Small Birds?

1st Place

Darian Wicker - Ballard High School Science & Engineering Fair The Effect of Ultraviolet Light on Drosophilia Melanogaster

Behavioral and Social Sciences

3rd Place

Om Yaung - Central High School Gender stereotypes in Black and Asian societies.

2nd Place

Maggie Gossage - Gatton Academy of Science & Mathematics Male Body Image and Action Figure Physiques

1st Place

Jocelyn Martin - Gatton Academy of Science & Mathematics The Impact of Growing Older on the Accessibility of Emotion Words

Biochemistry

3rd Place

Victoria Ramos, Viviana Rolon, Raelin Warstler - Eastern HS Tooth paste vs Mouth wash: Which controls prokaryote growth best?

2nd Place

Allison Wagoner - Ballard High School Science & Engineering Fair Glyphosate in Cereal

1st Place

Natalie Cooper - Gatton Academy of Science & Mathematics Reactivity of platinum anticancer compound oxalato(1,4-dimethylpiperzine)platinum(II) with biological molecules

Biomedical and Health Sciences

3rd Place

Taylor Cattano, Aniyah Thorpe, Amy Patel - Eastern HS Caffeine is a dehydrator: Investigation on a remedy for over caffeination.

2nd Place

Ashton Beasley - Valley High School Reaction Time Brain function

1st Place

Carmen Osiecki - Ballard High School Science & Engineering Fair The Effect of Video Games on The Human Eye

Biomedical Engineering

1st Place

Natalie Decker, Isha Chauhan - Robert L. Arvin Education Center Anx-ICE Box: Using Cryotherapy to Combat Heart Palpitating Anxiety Disorders

Cellular and Molecular Biology

2nd Place

Elisha Van Zant - Gatton Academy of Science & Mathematics A Screen for Protein Encoding Genes for Air Sac Primordium Invasion of the Wing Imaginal Disc in D rosophila melanogaster

1st Place

Aditi Kona - North Oldham High School

Examining Mechanisms of Resistance in Palbociclib-Resistant Estrogen Receptor-Positive Breast Cancer Cells

Chemistry

3rd Place

Dre'Lynn Girton - Central High School

Pre-Shaken Sodas: the effect of tapping on shaken sodas before opening them

2nd Place

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

1st Place

Lauren Cail - Ballard High School Science & Engineering Fair Reducing False Positives in Kastle-Meyer Presumptive Blood Tests

Computational Biology and Bioinformatics

3rd Place

Aarini Panzade - Gatton Academy of Science & Mathematics

The Effect of TIMP-1, MMP-1 Levels, and Healing Times on the Wound Surface Area

2nd Place

Megan Gullett, Chelsea Gaesser, Lindsey Willingham - Eastern HS

Finding the Most Influential Factors that Determine How Fast A Muscle is Warmed Up

1st Place

Gloria Huang - Gatton Academy of Science & Mathematics

Finding the Most Influential Factors In The Healing Process of Diabetic Foot Ulcers Using Parameter S pace Geometry

Earth and Environmental Science

3rd Place

Christopher Pryor - Central High School

Best soil for the job

2nd Place

Niyati Vukkum - Ballard High School Science & Engineering Fair

Electrical Outputs of Substrates in Mud

1st Place

Dayessi Chavez, Cheyla Tabares - Central High School

Effects of environmental conditions on landfills

Embedded Systems

1st Place

Mason Steineker - North Oldham High School

A project relating to reducing the abundance of hazardous gases in the kitchen environment through the utilization of an air ventilation system.

Energy: Sustainable Materials and Design

3rd Place

Stephanie Oswald - Ballard High School Science & Engineering Fair

Solar Panel Toy Car

2nd Place

Bhanusri Satyavolu - Ballard High School Science & Engineering Fair

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

1st Place

Andrew Raderer - Ballard High School Science & Engineering Fair The Wheel Deal

Engineering Mechanics

3rd Place

Jordan Wolken - Saint Xavier High School, Louisville Fuel & Thrust Efficiency of a Pulsejet

2nd Place

James Green - Ballard High School Science & Engineering Fair What Boat is the Most Stable?

1st Place

Eden Jessie - Ballard High School Science & Engineering Fair
Design and Development of a device to quantify the "sweet spots" of fast pitch softball bat barrels

Environmental Engineering

3rd Place

Camryn Gunter - Ballard High School Science & Engineering Fair Can algae save the earth?

2nd Place

Brad Richeson - Eastern HS Creek Mill Hydro Power

1st Place

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

Materials Science

3rd Place

Kendall Wessells - Ballard High School Science & Engineering Fair How Much Do Earplugs Effect Sound

2nd Place

Eric Rankhorn - At large

The Effect of Radio Frequency - Electro Magnetic Fields on Magnetic Strip Key Cards

1st Place

Jedidiah Tillman, Yafet Zewdie - Eastern HS

Pairing Hemp Fiber with Resin Glue and Fiberglass to Create Hemp Fiberboard

Mathematics

3rd Place

Madison Conn, Ethan Atcher, Ryan Blandford - Eastern HS Uno or Phase 10: How many shuffles to keep the game fair?

2nd Place

Diamond Edwards - Valley High School Mathmusicial

1st Place

Lukas Negron - Gatton Academy of Science & Mathematics Manipulating Link Diagrams using Flypes

Microbiology

3rd Place

Elizabeth Morgan - Gatton Academy of Science & Mathematics Does Lysogeny with Bacteriophage HK022 Affect Host Cell Physiology?

2nd Place

Meara Wilcox - Ballard High School Science & Engineering Fair Ballard Bacteria

1st Place

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

Physics and Astronomy

3rd Place

Riona Whalen - Ballard High School Science & Engineering Fair Effects of a Dampener

2nd Place

Caleb Bowlin - Ballard High School Science & Engineering Fair Quantum Levitation

1st Place

Abigail Crosswait, Andrea Conway - Eastern HS

JROTC Air Rifle: Breath Control associated with accuracy and precision of pellet hitting target

Plant Sciences

3rd Place

Rose Hyacinth - Central High School

Banana peels, orange peels and juice effect on plant

2nd Place

Kierra Peavy - Central High School

Revealing the hidden colors of Fall separating Plant pigments

1st Place

Veenasravani Pendyala - North Oldham High School

The Effects of Daily Drugs on Plant Health

Robotics and Intelligent Machines

3rd Place

Brooklynn Baugh - Eastern HS

Robotic Handicraft

2nd Place

Micah Steineker - North Oldham High School

Robotic Weed Eater

1st Place

Reaiah Rogers - Ballard High School Science & Engineering Fair Lego EV3 Can/Bottle Sorter

Systems Software

2nd Place

Alyssa Couri - Valley High School

Giovanni

1st Place

Aarohi Panzade - Gatton Academy of Science & Mathematics

Using Artificial Intelligence to Evaluate Dice Unfairness

Translational Medical Science

3rd Place

Vamsi Veeramachaneni - North Oldham High School

Impact of Sugar-Sweetened Beverages on Heart's Autonomic Nervous System Function

2nd Place

Vaitheesh Jaganathan - Ballard High School Science & Engineering Fair Hydrophobic Phenolic Components of Tender Coconut Water are responsible for its Anti-Cancer Properties

1st Place

William Wiley - Valley High School

Does Your neighborhood affect Your likelyhood of Develop Cardiovascular Disease?