Animal Sciences

3rd Place

Megan Ising - Saint Albert the Great School The Effect of Location on the Eating Habits of Birds

2nd Place

Jack English - Saint Francis of Assisi, Louisville Urbanized Areas: Do They Cause More Stress in Deer?

1st Place

Brody Peters - Saint Francis of Assisi, Louisville As Safe as they Say? The Effect of SLSA on Mussel Filtration

Behavioral and Social Sciences

3rd Place

Lauren Ford - Carrithers Middle School Memory Chunks

2nd Place

Lucy Doyle - Saint Francis of Assisi, Louisville The Link Between Bullying, Anxiety, and Childhood Trauma

1st Place

Annemarie Murr - Saint Francis of Assisi, Louisville Delicious but Immoral? Food Trace Influences Taste

Biochemistry

3rd Place

Henry Peters - Saint Francis of Assisi, Louisville The Impact of Air Fresheners on Ascorbic Acid

2nd Place

Ellery Reynolds - Saint Francis of Assisi, Louisville Does inhaling air fresheners affect DNA integrity

1st Place

Margaret Beatty - Saint Francis of Assisi, Louisville Kentucky Native Plants: Agents Against Metastasis

Biomedical and Health Sciences

3rd Place

Abigail Derege - Newburg Middle School Which Lotion Has the Best Moisture?

2nd Place

Leah Niemann - Saint Francis of Assisi, Louisville Exploring Neurotoxin Shed in Child Products

1st Place

Chloe Nunn - Saint Francis of Assisi, Louisville Screen Light Poison: Does Digital Screen Blue Light Impact Health?

Biomedical Engineering

2nd Place

Laura Petruska - Saint Francis of Assisi, Louisville Establishing PC12 Cells as a Model to Observe Stimulated Axon Growth

1st Place

George Bryant - Saint Francis of Assisi, Louisville Engineering a Novel Alert System for Wound Monitoring

Cellular and Molecular Biology

3rd Place

Simon Petruska - Saint Francis of Assisi, Louisville Exploring protein similarities across species using anti-bodies

2nd Place

Katie Quinn - Saint Francis of Assisi, Louisville Exploring the Cause of Atrazine's Impact on the Nervous System

1st Place

Emerson Wyatt - Saint Francis of Assisi, Louisville Hyssop: a Kentucky Native Cancer Treatment

Chemistry

3rd Place

Darby Lenning - Saint Francis of Assisi, Louisville Exploring CBD Extraction Methods

2nd Place

ELI Oetken - Saint Francis of Assisi, Louisville making foam glass from natural resources

1st Place

Liam Amick - Saint Francis of Assisi, Louisville Wastewater Remediation Using Chitin Coagulation

Computational Biology and Bioinformatics

2nd Place

Michael Schoenbachler - Saint Francis of Assisi, Louisville

Alternative Splicing in Injured Murine Neurons

1st Place

Vedha Balamurugan - North Oldham Middle School

Anti-

diabetic effect of bitter tasty plant products on type 2 diabetic children: Importance of human neglected bitter taste

Earth and Environmental Science

3rd Place

Amy Hunley - Homeschool Eco-Deadly!

2nd Place

Samuel Gurevich, Adam Hayat - Montessori School of Louisville

The Beef Burger Versus the Impossible Burger

1st Place

Drew Ashley - Saint Francis of Assisi, Louisville Exploring Vehicle In-Cabin Air Pollution

Embedded Systems

3rd Place

Cole Sanderfer - Saint Francis of Assisi, Louisville

Anti-Slide: A Device to Detect Black Ice

2nd Place

Louie Murr - Saint Francis of Assisi, Louisville

Scald Alert: A Device to Prevent Burns

1st Place

Fahmeeda Mohammad - Nur Islamic School of Louisville

Voice Recognition Modules

Energy: Sustainable Materials and Design

3rd Place

Frances Fendig - Saint Francis of Assisi, Louisville

Ethanol Production from Used Coffee Grounds

2nd Place

Kylee Bratcher - Carrithers Middle School

Guardian of the Assets

1st Place

Shazia Shaik, Amina Albarqawi - Nur Islamic School of Louisville Living Plant Battery

Engineering Mechanics

3rd Place

Jesse Dziatkowski - Carrithers Middle School Super Ball Mania

2nd Place

Philip Duvall - Montessori School of Louisville Efficiency of an Electric Car

1st Place

Nathaniel Shields - Saint Francis of Assisi, Louisville Exploring Hurricane Damage on Structures with Construction

Environmental Engineering

3rd Place

Rhyse Johnston - Saint Francis of Assisi, Louisville Vapor Encroachment Condition as a Potential Health Threat

2nd Place

Jordan Balsamo - Saint Francis of Assisi, Louisville Exploring Dye Remediation with Activated Charcoal

1st Place

Josie Dunn - Saint Francis of Assisi, Louisville Can Asian Carp Fish Scales Remove Waste Dyes?

Materials Science

3rd Place

Isaac Stroud - Saint Francis of Assisi, Louisville Creating Fire Retardant Hydrogels

2nd Place

Oliver Carmack - Saint Francis of Assisi, Louisville Improving Rigidity in Bioplastics

1st Place

Sophie Fabing - Saint Francis of Assisi, Louisville Better Bags: Creating New Hydrophobic Coatings for Paper Bags

Mathematics

2nd Place

William Martin - Saint Francis of Assisi, Louisville Phi in astronomical distances

1st Place

Jack Mulvihill - Saint Francis of Assisi, Louisville Fractal Dimension and Flooding in US Rivers

Microbiology

3rd Place

Olivia Thomas - Saint Francis of Assisi, Louisville Exploring Medical Scrub Contamination

2nd Place

Charlotte Doninger - Saint Francis of Assisi, Louisville Microfiber Pollution: A Hiding Place for Human Pathogens

1st Place

Mary Shea Ballantine - Saint Francis of Assisi, Louisville Hemp Extract: Miracle Cure or Microbiome Disruptor?

Physics and Astronomy

3rd Place

Gavin Thomson - Saint Francis of Assisi, Louisville Exploring Track Car Physics

2nd Place

Cooper Osborne - Saint Francis of Assisi, Louisville Optimizing Inductive Charging in Wearable Items

1st Place

Teklu Hemme - Saint Francis of Assisi, Louisville In Thin Air; Acoustic Levitation of Liquids

Plant Sciences

3rd Place

Carmen Montgomery - Saint Francis of Assisi, Louisville Infrared light effects plant growth

2nd Place

Iris Apple - Saint Francis of Assisi, Louisville Exploring Electrical Signaling in Plants

1st Place

Mattie Diehl - Saint Francis of Assisi, Louisville Ailanthus Altissima: Exploring Noise Pollution's Impact on Allelopathic Toxicity

Robotics and Intelligent Machines

3rd Place

Ian Thorton - Newburg Middle School Robot vs. Human

2nd Place

Brenda Stamm - Newburg Middle School Snow Plow Robot

1st Place

Pete Ansert - Saint Francis of Assisi, Louisville ERES: Elderly Emergency Response System

Systems Software

3rd Place

Jason Millard - Saint Francis of Assisi, Louisville Bully Buster: An App to Protect Kids from Online Bullying

2nd Place

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

1st Place

Kevin Brothers - Saint Francis of Assisi, Louisville Level Five Autonomous Vehicle Ethics: A Proof of Concept

Translational Medical Science

3rd Place

Liv Ashley - Saint Francis of Assisi, Louisville Exploring Toxicity of Vitamin E Acetate in E-Cigarettes

2nd Place

Sarah Jenkins - Saint Francis of Assisi, Louisville Vaping on Developing Bodies

1st Place

Harrison Jeffreys - Saint Francis of Assisi, Louisville Exploring the Effects of AGE Toxicity in Cells