

LRSEF- General Award Script - Middle School

Animal Sciences

3rd Place

Jack English - Saint Francis of Assisi, Louisville
City Versus Country: Comparing parasite loads

2nd Place

Alice Beatty - Saint Francis of Assisi, Louisville
Sound in Hermit Crab Learning

1st Place

Ella Diehl - Saint Francis of Assisi, Louisville
Exploring Noise Pollution Stress in Lady beetle Larvae

Behavioral and Social Sciences

3rd Place

Sophie Jones - Saint Francis of Assisi, Louisville
Exploring Contagious Yawning; Connection to Empathy

2nd Place

Annemarie Murr - Saint Francis of Assisi, Louisville
Exploring Cognitive Dissonance in Young Meat Eaters

1st Place

Lucy Doyle - Saint Francis of Assisi, Louisville
The Impact of Parenting Styles on Resilience in Children

Biochemistry

3rd Place

Lily Berry - Saint Francis of Assisi, Louisville
Everyday beverages affect on calcium bioavailability

2nd Place

Rosemary Peters - Saint Francis of Assisi, Louisville
Sweet or Deadly? Inhibiting Fructose Glycation

1st Place

Chase Lynn - Saint Francis of Assisi, Louisville
Are Non-caloric Artificial Sweeteners Containing Sucralose Safe Alternatives to Natural Sugar?

Biomedical and Health Sciences

3rd Place

Nico Sanchez - Saint Francis of Assisi, Louisville
Exploring the Effects of Titanium Dioxide on Health

2nd Place

paxson stodghill - Saint Francis of Assisi, Louisville
Fruit Extracts' Impact on UV Sensitivity of Cells

1st Place

Liv Ashley - Saint Francis of Assisi, Louisville
Exploring the Possible Impact of Antidepressants on Developing Brains

Biomedical Engineering

3rd Place

Seth McAfee - Saint Francis of Assisi, Louisville
Improving Effectiveness of IVC Filters

2nd Place

Jack McFarland - Newburg Middle School
Maximizing Solar Power

1st Place

john baldwin - Saint Francis of Assisi, Louisville
Thermal Glove: a device to assist thermally empowered people

Cellular and Molecular Biology

3rd Place

simon petruska - Saint Francis of Assisi, Louisville
Testing Protein Similarity across Species

2nd Place

Katie Quinn - Saint Francis of Assisi, Louisville
Exploring Atrazine's Neurotoxicity as a Possible Cause of Parkinson's Disease

1st Place

Avery Ramsey - Saint Francis of Assisi, Louisville
The Impacts of Flame Retardants on Stem Cell Behavior

Chemistry

3rd Place

Cate Scales - Saint Francis of Assisi, Louisville
Cooking Methods That Affect Vitamin C Content In Broccoli

2nd Place

Oliver Carmack - Saint Francis of Assisi, Louisville
Improving Hydrophobicity In Bioplastics

1st Place

Jack Mulvihill - Saint Francis of Assisi, Louisville
Creating Pawpaw Bioplastics

Computational Biology and Bioinformatics

3rd Place

Woody Schoenbachler - Saint Francis of Assisi, Louisville
Exploring Indexing to Discover Novel Genes and Proteins.

2nd Place

Amy Suo - Kentucky Country Day
The Association of the SNPs in ADAM33 to Asthma.

1st Place

vedha Balamurugan - North Oldham Middle School
Type 2 diabetes in Children: A new trend affecting kids

Earth and Environmental Science

3rd Place

Sahil Krishnani - Anchorage Independent Public School
Silicon-Perovskite Tandems: Making Solar the Next Buzzword

2nd Place

Aiden White - Saint Francis of Assisi, Louisville
Playground Poison

1st Place

Henry Doyle - Saint Francis of Assisi, Louisville
Sound Pollution: Sound kills Algae

Embedded Systems

2nd Place

Will Ballantine - Saint Francis of Assisi, Louisville
Sleep siren: a sudden infant death syndrome alert system.

1st Place

Henry Murr - Saint Francis of Assisi, Louisville
Noninvasive Drug Testing via Image Processing

Energy: Chemical

3rd Place

Fiona Gallagher - Saint Francis of Assisi, Louisville
Trash to Treasure: Converting School Lunchroom Waste Milk to Ethanol

2nd Place

Cullen Walsh - Saint Francis of Assisi, Louisville
Exploring the use of lunch room waste in biogas production

1st Place

Bhanusri Satyavolu - Kammerer Middle
Evaluation of Hemp and Kenaf bast fiber separation methods

Energy: Physical

3rd Place

Carson Hall - Saint Francis of Assisi, Louisville
Convection Air Generator

2nd Place

Adrian Morris - Saint Francis of Assisi, Louisville
Wasted Wind: Designing Highway Wind Turbines

1st Place

Sophia Schindler - Saint Francis of Assisi, Louisville
Capturing Ambulatory Energy

Engineering Mechanics

3rd Place

Hannah Bynum - Carrithers Middle School
Does Bat Technology Really Help?

2nd Place

Nicola Schindler - Saint Francis of Assisi, Louisville
Exploring the Impact of Pipe Configuration on Heat Transfer

1st Place

Jayden Butorac - Saint Francis of Assisi, Louisville
Silent and Swift: Submarine hull designs

Environmental Engineering

3rd Place

noah harned - Saint Francis of Assisi, Louisville
Brownfields Affect Microclimates

2nd Place

Sophie Bouldin - Saint Francis of Assisi, Louisville
Remediating Waste Dye Water with Algae

1st Place

Joslyn Koch-Serrano - Saint Francis of Assisi Elementary, Philpot
Atrazine Remediation with Crumb Rubber

Materials Science**3rd Place**

lilia Biagi - Saint Francis of Assisi, Louisville
strong then gone; creating an Eco-friendly fishing line

2nd Place

Gus Dillon - Saint Francis of Assisi, Louisville
Kentucky Fibers: A Novel Concrete Product

1st Place

Samuel Flynn - Saint Francis of Assisi, Louisville
Solving Traffic Problems with Novel Self-Healing Asphalt

Mathematics**3rd Place**

Jillian Wallshield - Carrithers Middle School
M & M Math

2nd Place

Brooke Logsdon - Saint Francis of Assisi, Louisville
Math Flash! Exploring Math Patterns in Lightning

1st Place

isabella cristobal - Saint Francis of Assisi, Louisville
Mathematical Analysis of Crown Shyness Tree: The Tipuana Tipus

Microbiology**3rd Place**

Kelechi Onyiri - Newburg Middle School
Is Bacteria Abundance on Human Home Surfaces Influenced by the Intermediate Disturbance Hypothesis

2nd Place

Annabel Bryant - Saint Francis of Assisi, Louisville
Exploring The Potential Anti-microbial Abilities Of Asimina triloba

1st Place

Mary Claire Stukenborg - Saint Francis of Assisi, Louisville
Not So Sweet: Could Sucralose Impact the Gut Microbiome

Physics and Astronomy**3rd Place**

John Kehdy - Walden School
Magnet Gun

2nd Place

Daniel Ballard - Saint Augustine Parish School
Effects of Friction on Objects in Motion

1st Place

Hayden Harned - Saint Francis of Assisi, Louisville
Modeling Real World Conditions in Droplet Placement

Plant Sciences**3rd Place**

Gabe Henderson - Saint Francis of Assisi, Louisville
Exploring Seed Stress Drought Resistant Plants

2nd Place

Mattie Diehl - Saint Francis of Assisi, Louisville
Kudzu Killer: Using Alleopathy to Control an Invasive Plant

1st Place

Jadyn Balsamo - Saint Francis of Assisi, Louisville
Exploring Drought Communication in Allelopathic vs. Companion Plants

Robotics and Intelligent Machines**2nd Place**

Mahasen Alsaadi - Nur Islamic School of Louisville
5eboard coding

1st Place

Pete Ansert - Saint Francis of Assisi, Louisville
Designing A Soft Robotic Gripping Appendages

Systems Software**1st Place**

Brent Merrigan - Saint Francis of Assisi, Louisville
Programming a Mock Blog to Monitor Inappropriate Content

Translational Medical Science**3rd Place**

Brooklyn Pizzonia - Saint Francis of Assisi, Louisville
Nepenthes Pincher Plant: a Novel solution for Gluten Intolerance

2nd Place

Abigail Livingston - Saint Francis of Assisi, Louisville
Old Into New: Exploring the Use of Acetaminophen as an Anti-Cancer Agent

1st Place

Sophia Bryant - Saint Francis of Assisi, Louisville
Exploring the Potential Anti-Cancer Abilities of Native KY Fruit