

LRSEF- General Award Script - Middle School

Animal Sciences

3rd Place

Molly Faley - Saint Francis School, Louisville
Does age and stress impact apple snail learning and memory

2nd Place

Alice Beatty - Saint Francis of Assisi Elementary, Louisville
Visual and Olfactory Recognition in Hermit Crabs

1st Place

Ella Diehl - Saint Francis of Assisi Elementary, Louisville
Can Caterpillars Hear? Does Noise Pollution Affect Them?

Behavioral and Social Sciences

3rd Place

Lilly Cotton - Saint Francis of Assisi Elementary, Louisville
Teens and Cell Phone Addiction

2nd Place

Ellie English - Saint Francis School, Louisville
Mindfulness Matters: Eliminating Negative Classroom Behaviors

1st Place

Seth Spriggs-Dial - Saint Francis of Assisi Elementary, Louisville
Exploring the Bystander Effect in Children

Biochemistry

3rd Place

Chase Lynn - Saint Francis of Assisi Elementary, Louisville
Exploring Whether OTC Supplements Affect Amylase Activity

2nd Place

Rosemary Peters - Saint Francis of Assisi Elementary, Louisville
Exploring the Effects of E-Cigarettes on Ascorbic Acid

1st Place

Nick Lynn - Saint Francis of Assisi Elementary, Louisville
Exploring the Impacts of Pesticides and Herbicides on Catalase

Biomedical and Health Sciences

3rd Place

Avery Ramsey - Saint Francis of Assisi Elementary, Louisville
Exploring the Health Impacts of Fetal Ultrasound

2nd Place

Tess Schrenger - Saint Francis of Assisi Elementary, Louisville
Glyphosate Herbicide Impacts Human Health

1st Place

Aliana Conway - Saint Francis of Assisi Elementary, Louisville
A Safe Substitute? Bisphenol-S Affects Health and Learning

Biomedical Engineering

3rd Place

Nolan Kiper - Carrithers Middle School
Effect of Video Games on the Body

2nd Place

Wynstin Perkins - Newburg Middle School
Bionic Insulin saver: Can we improve the design for insulin and if so how ?

1st Place

Seth McAfee - Saint Francis of Assisi Elementary, Louisville
Engineering New DVT Removal Techniques

Cellular and Molecular Biology

3rd Place

Sirah Larison - Newburg Middle School
What is the most effective home remedy for teeth whitening?

2nd Place

Grace Hovekamp - Saint Francis of Assisi Elementary, Louisville
Cissus Quadrangularis: A Potentially New Anti-Cancer Compound

1st Place

mark schrenger - Saint Francis of Assisi Elementary, Louisville
Exploring the Hidden Toxicity of Sunscreen

Chemistry

3rd Place

Joseph Mehne - Newburg Middle School
Which has more electrolytes?

2nd Place

Eliza Gallagher - Saint Francis of Assisi Elementary, Louisville
Trash to Treasure: Converting Plastic Bottles to Porous Carbon

1st Place

Kaitlin Calvery - Saint Francis of Assisi Elementary, Louisville
IR Dyes Improve Photovoltaic Cell Efficiency

Computational Biology and Bioinformatics

1st Place

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

Earth and Environmental Science

3rd Place

Michael Gardner - Saint Francis of Assisi Elementary, Louisville
Effects of Pesticides on Soil Enzymes

2nd Place

Sahil Krishnani - Anchorage Independent Public School
Dye-Sensitized solar cells - A Technology to end the Energy Crisis

1st Place

Aiden White - Saint Francis of Assisi Elementary, Louisville
Puddle Poison

Embedded Systems

3rd Place

Will Ballantine - Saint Francis of Assisi Elementary, Louisville
Remote Ice Sensing Keeps Cane Users Safe

2nd Place

Charlie Murr - Saint Francis of Assisi Elementary, Louisville
Aqua Advisor; A Device to Monitor Pool Conditions

1st Place

Henry Murr - Saint Francis of Assisi Elementary, Louisville
Reducing Avian Fatalities Using Ultrasonic Detection

Energy: Chemical**2nd Place**

Xishan Ritchie - Carrithers Middle School
Fruit Power

1st Place

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

Energy: Physical**3rd Place**

Elijah Pope - Carrithers Middle School
Effects of Temperature on the bounce

2nd Place

Adrian Morris - Saint Francis School, Louisville
Designing a More Efficient Wind Turbine

1st Place

Sophia Schindler - Saint Francis School, Louisville
Converting Sound To Electricity

Engineering Mechanics**3rd Place**

Julia Renz - Saint Francis of Assisi Elementary, Louisville
Investigating Downdraft Wind Effects on Buildings

2nd Place

Nicola Schindler - Saint Francis School, Louisville
Exploring Soil Liquefaction

1st Place

Mason Holden - Saint Francis of Assisi Elementary, Louisville
Exploring Wind Force and Design on Skycrapers

Environmental Engineering**3rd Place**

Brooke Logsdon - Saint Francis of Assisi Elementary, Louisville
Fly Ash/Biosolids; Remediating Landslides and Erosion

2nd Place

Hannah Martin - Carrithers Middle School
The Power of Wind

1st Place

Julia Elder - Saint Francis of Assisi Elementary, Louisville
Reflective Facade Materials Impact on Neighboring Buildings

Materials Science**3rd Place**

Jacob Stroud - Saint Francis of Assisi Elementary, Louisville
PLA Production Via Lactide Exposure to UV Light

2nd Place

Tyler Haddow - Saint Francis of Assisi Elementary, Louisville
Poissons Ratio

1st Place

Gus Dillon - Saint Francis of Assisi Elementary, Louisville
Kentucky Hemp: Higher Tensile Strength in Concrete

Mathematics**3rd Place**

Krish Gupta - Anchorage Independent Public School
Randomization Technique for Scrambling a Rubik's Cube: The Impact on Speed-cubing

2nd Place

Stephanie Sithu - Brown School Science Fair
Origami + Math

1st Place

Ben Keeney - Saint Francis of Assisi Elementary, Louisville
Fractal Analysis of Wildfires

Microbiology**3rd Place**

Lilly Bauer - Saint Francis of Assisi Elementary, Louisville
E-Cigarettes Impact Bacterial Growth and Resistance

2nd Place

Mary Claire Stukenborg - Saint Francis of Assisi Elementary, Louisville
"KY Tuna"/ Asian Carp Epidermal Slime; a Novel Antimicrobial

1st Place

Elaina Render - Saint Francis of Assisi Elementary, Louisville
Gut Reaction: Food Preservatives and the Microbiome

Physics and Astronomy**3rd Place**

Harper Hall - Saint Francis School, Louisville
Exploring the Use of Sound to Reduce Powders' Adhesion

2nd Place

Kyle Sanderfer - Saint Francis of Assisi Elementary, Louisville
Exploring Cosmic Rays

1st Place

Hayden Harned - Saint Francis of Assisi Elementary, Louisville
Exploring the Physics of Irrigation Droplets

Plant Sciences

3rd Place

Kyle DeOrazio - Newburg Middle School
The Effects of Light Colors on Plant Growth

2nd Place

Jadyn Balsamo - Saint Francis of Assisi Elementary, Louisville
Exploring the use of Methane Communication in Crop Plants

1st Place

Rob Player - Saint Francis of Assisi Elementary, Louisville
Observing Shade Avoidance in Vigna Radiata

Robotics and Intelligent Machines

2nd Place

Mahasen Alsaadi - Nur Islamic School of Louisville
Avoding Robot

1st Place

Trisha Sexton - Saint Francis of Assisi Elementary, Louisville
Exploring Soft Robotic Appendage

Systems Software

3rd Place

Brent Merrigan - Saint Francis of Assisi Elementary, Louisville
Predicting Diabetes with Machine Learning

2nd Place

Vishnupriya Ramasamy - Highland Middle School
Alexa, Call Doctor

1st Place

Ritesh Dhakal - Saint Francis of Assisi Elementary, Louisville
WaterGuardian; a Device to Prevent Drowning

Translational Medical Science

3rd Place

Abigail Livingston - Saint Francis of Assisi Elementary, Louisville
Exploring Radiofrequency Health Effects

2nd Place

Sophia Bryant - Saint Francis School, Louisville
Exploring the Potential Anti-Cancer Abilities of Natural Compounds

1st Place

Scott Dues - Saint Francis of Assisi Elementary, Louisville
E-cigarettes Effect on Learning and Health