Louisville Regional Science & Engineering Fair - General Award Script - Junior

**Animal Science**

3rd Place
- AS008JR - Gesturing in Gorillas
  - Josh Adams

2nd Place
- AS010JR - Correlating Anxiety Between Humans and Dogs
  - Walker Evans

1st Place
- AS005JR - The Scoop on Cat Litter Preferences
  - Elaina Render

**Behavioral and Social Sciences**

3rd Place
- BE013JR - Gender and Age Differences in Children Expressing and Controlling Crying
  - Seth Spriggs-Dial

2nd Place
- BE014JR - Detecting Emotions and Intensities in Foreign Languages
  - Tara Haffner
1st Place
   BE012JR - Investigating Boredom
       Piper Grinstead

**Biochemistry**
3rd Place
   BI003JR - Job’s Tears: A Potentially New Anti-Cancer Compound
       Grace Hovekamp

2nd Place
   BI006JR - Protein Powders as Protease Inhibitors
       Nina Render

1st Place
   BI007JR - Exploring the Fate of Vitamin C Megadoses
       Ruthie Belza

**Cellular and Molecular Biology**
3rd Place
   CB003JR - Exploring the Impact of Banana Peel Extract on Inflammation
       Jack Charlton

2nd Place
CB002JR - Bisphenol S: A Safe Alternative to Bisphenol A?
Eleanor Dunham

1st Place
CB006JR - Air fresheners and Your Health
mark schrenger

**Chemistry**
3rd Place
ch010R - Is Soft Safe?
LaChante Heiss

2nd Place
CH002JR - Exploring Ultraviolet Rays Effects on Potable Water
Eliza Gallagher

1st Place
CH001JR - Electrolysis of Water using Dye sensitized solar cells and the photo voltaic silicon solar cell
Bibhus Luitel

**Computer Science**
3rd Place
CS002JR - Google Speed
Ethan Tolliver
2nd Place
  CS004JR - Impact of Web Browsers on CPU Performance and its Improvement Methods
  Vishnupriya Ramasamy

Vishnupriya Ramasamy
1st Place
  CS001JR - Not Seeing Is Still Believing
  Ben Keeney

**Earth and Planetary Science**

3rd Place
  EA002JR - Nanoparticle Pollution Affects Cloud Dynamics
  Elee Gernert

2nd Place
  EA006JR - Brownfields create microclimate
  Peter Schoenbachler

1st Place
  EA007JR - Indoor Outdoor Microclimate Connections
  Sarah Rhodes

**Energy & Transportation**
3rd Place
   ET002JR - Are Expensive Sports Drinks Really Worth The Extra Cost
      Carson Adwell

2nd Place
   ET006JR - Improving Traditional Water Mills
      Ritesh Dhakal

1st Place
   ET001JR - Automobile Turbine Energy
      Bryce Cadima

Engineering: Electrical and Mechanical
3rd Place
   EE007JR - Efficiency of Ionocraft Levitation
      Maximiliano Sanchez

2nd Place
   EE004JR - Investigating Flutter and Galloping in Cable-Stayed Bridges
      Julia Renz

1st Place
   EE006JR - Exploring Cables in Bridges
      Luke Boehnlein
**Engineering: Materials and Bioengineering**

3rd Place  
EN001JR - Coatings Effect 3-D Print Durability  
Brett Logsdon

2nd Place  
EN013JR - Exploring 3d infill print patterns; efficiency and durability  
Ethan Jacob

1st Place  
EN011JR - Powerful Water  
Megan Beam

**Environmental Management**

3rd Place  
EM005JR - Microclimate Effects from Building Facade Absorption and Reflection of Heat  
Julia Elder

2nd Place  
EM092JR - BASE FLOW QUALITY AFFECTS HARMFUL ALGAL BLOOMS  
Emma Cammack

1st Place
EM004JR - Atrazine Remediation with Magnet Assisted Zero-Valent Iron
Josie Grace-Mudd

**Environmental Sciences**
3rd Place
EV009JR - Correlating Fly Ash Distribution With the Presence of Hexavalent Chromium
Will Drury

2nd Place
EV010JR - Water Filtration
Worth Brown

1st Place
EV004JR - CSO Proximity Creates Patterns in Shoreline Bacterial Contamination
Lilly Doninger

**Mathematical Sciences**
3rd Place
MA001JR - Mix it Up
Cydney Pepper

2nd Place
MA006JR - Detecting the Fibonacci sequence in low pressure systems
Katherine Martin
1st Place
MA007JR - Fibonacci in Planetary Moons
Rachel Gardner

**Medicine & Health Sciences**
3rd Place
ME010JR - Electric Cigarettes: Are They Safe?
Molly McGuire

2nd Place
ME001JR - The Effect of Rutin on Memory
Aliana Conway

1st Place
ME004JR - Fracking Fluid: Neurotoxicity and Soil Duration
Ellie Hummel

**Microbiology**
3rd Place
MI007JR - Exploring Eugenol's Antimicrobial Properties
Lilly Bauer
2nd Place
  MI005JR - Hydraulic Fracturing Fluid Impacts Bacteria Populations
  Jack Hummel

1st Place
  MI002JR - KY Catfish Mucus; A Novel Antimicrobial
  Anna Kate Stukenborg

**Physics and Astronomy**

3rd Place
  PH002JR - The Effect of Sound on Viscosity
  Harper Hall

2nd Place
  PH007JR - Boomerang Aerodynamics
  Paul Nutt

1st Place
  PH005JR - Red Shift and Metallicities of Galaxies
  Nicholas Loper

**Plant Sciences**

3rd Place
PS006JR - The Effect of Nanoparticles on Plant Growth
  Liam Gray

2nd Place
  PS011JR - The Effect of Light Wavelengths on Photosynthesis
    Rob Player

1st Place
  PS001JR - Salt Stressed Plants Communication: Soil Condition Information
    Corey McGarvey