2014 LRSEF JUNIOR DIVISIONAL WINNERS

Animal Sciences

1st Prize

Global Warming and Its Impact on Brine Shrimp Luke Zoeller St. Francis of Assisi School

2nd Prize

Storm Anxiety in Dogs Walker Evans St. Francis of Assisi School

3rd Prize

Fish and Sound Elliot Deep St. Patrick Catholic School

Behavioral & Social Sciences

1st Prize Color vs. Shape; How the Brain Identifies Both And Is It Better At One Or The Other. Isabela Bajandas St. Francis of Assisi School

2nd Prize

Does Wrestling Create Good Self-Esteem? Jack Calvery St. Francis of Assisi School

3rd Prize

Social Anxiety Impacts Social Media Use Lindsay Jenkins St. Francis of Assisi School

Biochemistry

1st Prize Over-the-counter Medications Affect the Oxidation of Ascorbic Acid Ruthie Belza St. Francis of Assisi School

2nd Prize Red Dye 40 Impacts Cell Function Elizabeth Schrenger St. Francis of Assisi School

3rd Prize

Protease Inhibition by Legumes Nina Render St. Francis of Assisi School

Cellular & Molecular Biology

1st Prize Exploring Vinyl Flooring Cytotoxicity Analisa Conway St. Francis of Assisi School

2nd Prize

GM corn affects the growth of E. coli Rachel Gardner St. Francis of Assisi School

3rd Prize

Exploring the Pawpaw's Chemotherapeutic Properties Sam Belza St. Francis of Assisi School

Chemistry

1st Prize

A Novel Reaction to Recycle Glycerol Waste Joshua Jacob St. Francis of Assisi School

2nd Prize

Investigations Into Electrochemical Processes Kyra Anderson Anna Hutchins Anchorage Public School

3rd Prize

Juicing Combinations Affect Ascorbic Acid Content Annie Munoz St. Francis of Assisi School

Computer Science 1st Prize Computer vs. Human: Rock, Paper, Scissors Shane Hardin St. Patrick Catholic School

Earth and Planetary Science 1st Prize

Human Activity Impacts Micro Climate Gretchen Frommeyer St. Francis of Assisi School

2nd Prize

Greater Craters Melina O'Bryan Carrithers Middle School

3rd Prize

Carbon Emissions Affect Glacier Formation Timothy Willis St. Francis of Assisi School

Energy & Transportation

1st Prize Making Biofuels: Which Feedstock Grain Mixture Produces The Most Ethanol? Virginia Sheldon St. Francis of Assisi School

2nd Prize

Exploring Energy and Vibration Bridget Coleman St. Francis of Assisi School

3rd Prize

Wave Energy Matthew Johansen St. Francis of Assisi School

Engineering: Electrical & Mechanical

1st Prize Exploring Rectenna Efficiencies Luca Sánchez St. Francis of Assisi School

2nd Prize

Beakman Motor-Armature Testing Project

Gabriella Floro Saint Mary Academy

3rd Prize

Balance Temperature, Efficiently Benjamin Jiang North Oldham Middle School

Engineering: Materials & Bioengineering

1st Prize Expolring How Things Break Sarah Rhodes St. Francis of Assisi School

2nd Prize

Exploring fly ash concrete as a paving materiel Will Drury St. Francis of Assisi School

3rd Prize

The Best Earth for Bridges Cameron Tressler Carrithers Middle School

Environmental Management

1st Prize

Hydraulic Fracking disaster in Knox County, KY: Study & Recommendations for Public Policy Natasha Gupta Anchorage Public School

2nd Prize

Remediating Herbicide Pollution With Hair Josie Grace-Mudd St. Francis of Assisi School

3rd Prize

Remediating the Urban Heat Island Effect Ellie Hummel St. Francis of Assisi School

Environmental Sciences

1st Prize Surface Water Quality and Median Household Income Emma Cammack St. Francis of Assisi School

2nd Prize

Proximity to CSO's Impact Bacterial Populations Lilly Doninger St. Francis of Assisi School

3rd Prize

Oil Spills: Measuring Impact on Photosynthesis in Phytoplankton Tanya Gupta Anchorage Public School

Mathematical Sciences

1st Prize Modeling the Effects of Herbicides on Cedar Bog Lake Lauryn Grady St. Francis of Assisi School

2nd Prize

Mathematical Analysis of Lightning Events Tess Whitfield St. Francis of Assisi School

3rd Prize

Devising an algorithm for solving a 4*4 Rubik's cube Riley Weiter Carrithers Middle School

Medicine and Health Sciences

1st Prize

Third Hand Smoke: Factors Effecting Tocixcity Molly McGuire St. Francis of Assisi School

2nd Prize

Investing the Fibroepithelioma of Pinkus Sam Hall St. Francis of Assisi School

3rd Prize

Hypergravity Affects Wound Healing Maximiliano Sanchez St. Francis of Assisi School

Microbiology

1st Prize Volatile Gas Communication in Bacteria Arah Crain St. Francis of Assisi School

2nd Prize

Asimina Triloba, Native Kentucky Fruit Novel Antimicrobial Anna Kate Stukenborg St. Francis of Assisi School

3rd Prize

Exploring Bleach Baths and Time Jack Charlton St. Francis of Assisi School

Physics and Astronomy

1st Prize Breaching Europa Part 2: Ultrasound Enhancement Morgan Thomas St. Francis of Assisi School

2nd Prize

How quickly do tennis balls lose their bounce? Blake Theriot St. Patrick Catholic School

3rd Prize

Splash Sizes Affected by Impactor Characteristics Peter Schoenbachler St. Francis of Assisi School

Plant Sciences

1st Prize Sonic Tropism: The Song of Corn Clara Kaelin St. Francis of Assisi School

2nd Prize

Does Fly Ash Impact Algae Growth? Corey McGarvey St. Francis of Assisi School

3rd Prize

Growing Strawberries with Aeroponics Mansur Estes Ranny Badreddine Nur Islamic School of Louisville