

LRSEF 2021 - Virtual Fair - General Award Script - High School

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Animal Sciences

3rd Place

Jessica Davila - Ballard High School Science & Engineering Fair

The effect of music on a dog's behavior

2nd Place

Maia Kuehne-Seeber - Presentation Academy High School

The Impact of Ultrasonic Frequencies on Eisenia Fetida Earthworms

1st Place

Andrew Bumps - Saint Xavier High School, Louisville

How Cognitive and Social Capacities Differ in Different Shark Species, and How these Capacities Impact Each Species' Interactions with Humans

Behavioral and Social Sciences

3rd Place

Anthony Rice Jr - Ballard High School Science & Engineering Fair

No Music vs. Classical Music (Speed Division): Does music help with students concentration on test

2nd Place

Giovanni Akpaglo - Central High School

Following the Guidelines:

How do select retail, have an affect on how people in my community follow the CDC guidelines to stop/prevent the spread of COVID-19

1st Place

Monica Amaya - Central High School

What effect does traditional vs nontraditional settings have on a student's mental health?

Biochemistry

2nd Place

Aliyah Allen - Eastern High School

How does the ph of different additives affect the preservation of fruit?

1st Place

Krish Gupta - Trinity High School, Louisville

Plasticizers: The Effects of Phthalates (DEHP) vs. Biological Substitute (DOTP) on Aquatic Biota

Biomedical and Health Sciences

3rd Place

Leidis Escarret Medel - Central High School

What effect does the reduction of caffeine have on adolescents in comparison to adults on their hemodynamics?

2nd Place

Bhanusri Satyavolu - Other

Xylose as an Alternative Sugar for Diabetes

1st Place

Sammy Finewood - Ballard High School Science & Engineering Fair

Vegetarian Diet

Biomedical Engineering

3rd Place

Aiden Roe - Central High School

Making Prosthetics More Available

2nd Place

Braxton Frazier - Ballard High School Science & Engineering Fair

How To Recognize and Reduce Liver Rejection in Transplant Patients

1st Place

Krithik Nadimpally - Ballard High School Science & Engineering Fair

Can a Microbial Fuel cell Produce Enough electricity to Power a Light Bulb?

Cellular and Molecular Biology

1st Place

Aditi Kona - North Oldham High School

Characterization of Insulin-degrading Enzyme: Using Molecular Visualization Systems to Understand Substrate Recognition in Type 2 Diabetes and Alzheimer's

Chemistry

3rd Place

Jet Sendaydiego - Saint Xavier High School, Louisville

Phyto-
Fighters: Does the Concentration of Phenolic Phytochemicals in Fresh Produce Affect its Antioxidant Percentage

2nd Place

Lauren Cail - Ballard High School Science & Engineering Fair

Modification of Sodium Hydroxide Concentration and Additional Stressors in Small Batch Deacetylation of α -Chitin

1st Place

Jason Zhang - Gatton Academy of Science & Mathematics

Novel Synthesis of Important Pharmaceutical Compounds using Visible Light and a Photocatalyst

Computational Biology and Bioinformatics

1st Place

Samyuktha Jaganathan - Ballard High School Science & Engineering Fair

Does Brain Region Volume Change in Patients with Dementia?

Earth and Environmental Science

3rd Place

Kameron Jones - Central High School

Asthmatic Air

2nd Place

Ashlyn Smith, Addie Flora, Sophie Schleuning - Eastern High School

Road Salt Alternatives

1st Place

Balanid Craig - Ballard High School Science & Engineering Fair

The Effects of The Sun's Energy on Containers Filled with Water and Covered with Various Materials

Embedded Systems

1st Place

Logan Lewis - Central High School

Particle Suspension within Light Medium

Energy: Sustainable Materials and Design

3rd Place

Mihir Duggal - Ballard High School Science & Engineering Fair

Biofuel is the new fuel

2nd Place

Juan Carlos Ramos Vega - Central High School

How can we leave fossil fuels behind?

1st Place

Andrew Park - Gatton Academy of Science & Mathematics

An Algorithm to Estimate Lithium-Ion Battery Lifetime

Engineering Mechanics

3rd Place

Addison Lilly - Eastern High School

Towers

2nd Place

Abdullah Al Rawi - Ballard High School Science & Engineering Fair

The Effect of the Material of Reinforcement on the Strength of Sand

1st Place

Michael Pratt - Saint Xavier High School, Louisville

Developing a high-torque electric drive system for a centrifugal air compressor.

Environmental Engineering

3rd Place

Emily Weigel - Eastern High School

Characterizing Soil Composition to Reduce Water Usage

2nd Place

Tania Vergara-Gongora - Ballard High School Science & Engineering Fair

WAIT!! Can you drink that?

1st Place

Ahmad Ateyeh - Gatton Academy of Science & Mathematics

Estimating the Effectiveness and Financial Practicality of Deploying a Space Mirror to Combat Climate Change

Materials Science

3rd Place

Nathan Wright - Eastern High School

Sustainable, Eco-Friendly Alternatives for Asphalt and Concrete in Sidewalks

2nd Place

Jaxson Liening - Ballard High School Science & Engineering Fair

The Effect of Coatings on Metal Corrosion

1st Place

Jedidiah Tillman, Yafet Zewdie - Eastern High School

Testing 3D Printing Material as an Alternative to Common Construction Materials

Microbiology

3rd Place

Jazmin Bunch - Ballard High School Science & Engineering Fair

The Effect of Different Cleaning Methods on Bacteria in Books

2nd Place

Veenasravani Pendyala - North Oldham High School

The Effects of Acetaminophen on components of the Gut Microbiome

1st Place

Samirah Salifu - Gatton Academy of Science & Mathematics

The Discovery, Analyzation, and Characterization of Novel Mycobacteriophage PetiteSangsue

Physics and Astronomy

3rd Place

Jessica Nguyen - J Graham Brown High School

Fly Up to the Sky with Newton's Laws

2nd Place

Dane Paprocki - Ballard High School Science & Engineering Fair

How to Make a Piano "Sing"

1st Place

Kayla Dermody, Owen Morgan - Eastern High School

Does Adding Weight Affect A Paper Airplane's Travel?

Plant Sciences

3rd Place

Christopher Nguyen - Ballard High School Science & Engineering Fair

How the Environment Affects Plant Growth

2nd Place

Chancelle Messe - Central High School

The effect of vibrations on the growth of plants

1st Place

Suchita Tipirneni - Ballard High School Science & Engineering Fair

Mosaic Madness

Robotics and Intelligent Machines

2nd Place

Seth Jennings - Ballard High School Science & Engineering Fair

Can a machine learn to chat, will it be better as soft coded or hard coded?

1st Place

Sahil Krishnani - Gatton Academy of Science & Mathematics

Developing Autonomous Drone Hardware and Software Using RPi and Python/SwiftUI

Systems Software

3rd Place

Tanner Aslan - Ballard High School Science & Engineering Fair

How VR Games are Made

2nd Place

Samuel Smallwood - Central High School

Smart Home Control

1st Place

Karthik Nadimpally - Ballard High School Science & Engineering Fair

Developing an image-based encryption method using javascript

Translational Medical Science

1st Place

Lily Cruikshanks - Eastern High School

Do fish have similar caffeine affects compared to humans?