

## **LRSEF 2021 - Virtual Fair - Special Awards Script - High School**

### **Amazon Innovation Award-SAW30C-\$100 from**

Jet Sendaydiego - Saint Xavier High School, Louisville

Phyto-

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

### **Amazon Innovation Award-SAW30D-\$100 from LRSEF (Amazon account)**

Trenton Hogan - Central High School

Developing a computer algorithm to buy and sell stocks.

### **American Chemical Society-SAW002A- Invitation to ACS section Awards & Recognition Reception.**

First Place - Senior Chemistry related project

Jason Zhang - Gatton Academy of Science & Mathematics

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

### **American Chemical Society-SAW002B- Invitation to ACS section Awards & Recognition Reception.**

Second Place - Senior Chemistry related project

Lauren Cail - Ballard High School Science & Engineering Fair

Modification of Sodium Hydroxide Concentration and Additional Stressors in Small Batch Deacetylation of  $\alpha$ -Chitin

### **American Chemical Society-SAW002C- Invitation to ACS section Awards & Recognition Reception.**

First Place - Senior Biochemistry related project

Krish Gupta - Trinity High School, Louisville

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

### **American Chemical Society-SAW002D- Invitation to ACS section Awards & Recognition Reception.**

Second place - Senior Biochemistry related project

Aliyah Allen - Eastern High School

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

### **American Psychological Association-NAT002-Certificate**

Special award recognizing outstanding research in psychological science

Anna Kersting - Eastern High School  
The Effect of Musical Keys on Human Emotions

Jack Marrillia, Matt Marrillia - Eastern High School  
The effect of exercise and video games on standardized tests.

### **ASM Materials Education Foundation-NAT003-Certificate**

Presented By: ASM Materials Education Foundation

Jedidiah Tillman, Yafet Zewdie - Eastern High School  
Testing 3D Printing Material as an Alternative to Common Construction Materials

### **BC Plumbing Company-SAW006A-Senior - \$100**

Camryn Moss - Central High School  
The Effects of Water Contaminants on Louisville Water Sources.

### **GE APAF- Clear Thinker Award-SAW012B- \$100 Senior**

Awarded to project that demonstrates clear understanding of the problem with conclusions drawn from competent research and observations and clearly communicated by presenter.

Preferred Categories: Engineering, Computer Science, Physics, and Chemistry

Jason Zhang - Gatton Academy of Science & Mathematics  
Novel Synthesis of Important Pharmaceutical Compounds using Visible Light and a Photocatalyst

### **Gibson Family Award-SAW011B- \$75 from LRSEF, certificate, book for student and teacher**

Students should have a passion for sustainability, want to make it a more just and equitable place for all.

Tania Vergara-Gongora - Ballard High School Science & Engineering Fair  
WAIT!! Can you actually drink that?

### **Hexion, Inc. - Community Impact award-SAW013B-1 \$50**

Samyuktha Jaganathan - Ballard High School Science & Engineering Fair  
Does Brain Region Volume Change in Patients with Dementia?

### **Hexion, Inc. - Creative award-SAW013D-\$50**

Lillian Long - Ballard High School Science & Engineering Fair

Sound to Color

**Jefferson County Conservation District-SAW014B-2nd place - \$150 award**

Christopher Nguyen - Ballard High School Science & Engineering Fair  
How the Environment Affects Plant Growth

**Kentucky Gas Association-SAW015B-Certificate \$50**

Awarded across any category for projects related to the natural gas industry including safety, corrosion, etc.

Jaxson Liening - Ballard High School Science & Engineering Fair  
The Effect of Coatings on Metal Corrosion

**Kentucky Society of Professional Engineers-SAW018- \$50**

Awarded across any category for projects exhibiting excellence in the engineering fields.

Ryan Floyd - Ballard High School Science & Engineering Fair  
Roller conveyor

**KPFF Engineering Achievement Award-SAW022A-  
\$100 plus certificate to be provided by KPFF at the awards seminar to one high school project.**

Project in any category showcasing achievement in engineering.

Addison Lilly - Eastern High School  
Towers

**KY Chapter of Certified Hazardous Materials Managers (KCHMM)-SAW017- \$400**

Awarded only in Enviro. Management or Enviro. Science categories

Krish Gupta - Trinity High School, Louisville  
Plasticizers: The Effects of Phthalates (DEHP) vs. Biological Substitute (DOTP) on Aquatic Biota

**Maryam's Charity-SAW035A-\$25**

Community Service and Social Benefit AwardMaryam's Charity, Inc.

Ahmad Ateyeh - Gatton Academy of Science & Mathematics  
Estimating the Effectiveness and Financial Practicality of Deploying a Space Mirror to Combat Climate Change

**Maryam's Charity-SAW035C-\$25**

Global Perfection AwardMaryam's Charity, Inc.

Mihir Duggal - Ballard High School Science & Engineering Fair

Biofuel is the new fuel

### **First Build Innovation Scholarship Award**

Veenasravani Pendyala - North Oldham High School  
The Effects of Acetaminophen on components of the Gut Microbiome

Samuel Smallwood - Central High School  
Smart Home Control

### **Office of Naval Research-NAT013B-Senior: Certificates, medallions, and \$50 gift cards.**

Naval Science Award given to projects competing as individuals only.

Veenasravani Pendyala - North Oldham High School  
The Effects of Acetaminophen on components of the Gut Microbiome

Samirah Salifu - Gatton Academy of Science & Mathematics  
The Discovery, Analyzation, and Characterization of Novel Mycobacteriophage PetiteSangsue

Jason Zhang - Gatton Academy of Science & Mathematics  
Novel Synthesis of Important Pharmaceutical Compounds using Visible Light and a Photocatalyst

### **Society for In Vitro Biology-NAT015-Certificate**

Winner must be in 11th grade with an exhibit in plant or animal in vitro biology or tissue culture.

Aliyah Allen - Eastern High School  
How does the ph of different additives affect the preservation of fruit?

Jet Sendaydiego - Saint Xavier High School, Louisville  
Phyto-  
Fighters: Does the Concentration of Phenolic Phytochemicals in Fresh Produce Affect its Antioxidant Percentage

### **Stockholm Junior Water Prize-NAT016A-**

#### **Regional certificate and nomination for the state SJWP Competition**

Water prize certificates are awarded to the US high school student, age 15-20 and presently in 9-12 grades displaying the best water-related high school science projects.

Calvin Floyd - Ballard High School Science & Engineering Fair  
Can Whiskey Be Removed from water?

**Stockholm Junior Water Prize-NAT016B-**

**Regional certificate and nomination for the state SJWP Competition**

Water prize certificates are awarded to the US high school student, age 15-20 and presently in 9-12 grades displaying the best water-related high school science projects.

Emily Weigel - Eastern High School  
Characterizing Soil Composition to Reduce Water Usage

**Stockholm Junior Water Prize-NAT016C-**

**Regional certificate and nomination for the state SJWP Competition**

Water prize certificates are awarded to the US high school student, age 15-20 and presently in 9-12 grades displaying the best water-related high school science projects.

Hailey Lin, Wilson Ni, Anqi Li - Eastern High School  
Plants in Soil versus Crystals

**U.S. Air Force-NAT017A-certificate**

Sahil Krishnani - Gatton Academy of Science & Mathematics  
Developing Autonomous Drone Hardware and Software Using RPi and Python/SwiftUI

**US Metric Association-NAT018-Certificate**

Kayla Dermody, Owen Morgan - Eastern High School  
Does Adding Weight Affect A Paper Airplane's Travel?

Logan Lewis - Central High School  
Particle Suspension within Light Medium

**Yale Science & Engineering Association-NAT019-Certificate - to an 11th grader**

Awarded to 11th grade winner in the Computer Science, Engineering, Physics or Chemistry Category.

Andrew Park - Gatton Academy of Science & Mathematics  
An Algorithm to Estimate Lithium-Ion Battery Lifetime