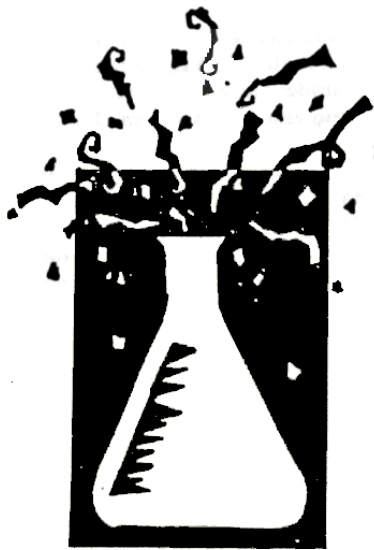


THE 59th ANNUAL OZARKS SCIENCE & ENGINEERING FAIR

HAMMONS STUDENT CENTER
MISSOURI STATE UNIVERSITY

March 26 through March 28, 2019



2019 WINNERS

Sponsored By:

Missouri State University – College of Natural & Applied Sciences
Missouri State University Foundation
Associated Electric Cooperative, Inc.
Schneider Foundation
Cheryl & Rodney Wrinkle



MASTER OF CEREMONIES

MICHELLE NORNGREN
EXECUTIVE DIRECTOR
OZARKS SCIENCE & ENGINEERING FAIR

DR. TAMERA JAHNKE, DEAN
COLLEGE OF NATURAL AND APPLIED SCIENCES
MISSOURI STATE UNIVERSITY
PRESENTER OF AWARDS



STEERING COMMITTEE MEMBERS

EXECUTIVE DIRECTOR:
DISPLAY & SAFETY:
ELEMENTARY FAIR:
PLACEMENT AWARDS:
SPECIAL AWARDS:
VOLUNTEERS:
WEBMASTERS:
SCIENCE DAY:
SOCIAL NETWORKING:

MICHELLE NORNGREN
KEN MCCRORY
LACEY GEIGER
BEN DALTON
DENISE VINTON
SUE MCCRORY
SUE MCCRORY
TOM TOMASI
SUE MCCRORY
MICHELLE NORNGREN



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2019 AWARDS AND SPONSORS

AMERICAN CHEMICAL SOCIETY – OZARKS
CHAPTER
AMERICAN PSYCHOLOGICAL
ASSOCIATION
THE AMERICAN SOCIETY OF
MAMMALOGISTS
ASSOCIATION OF WOMEN GEOSCIENTISTS
BAKER CHAIR OF INSURANCE/GAMMA
IOTA SIGMA
THE LAWRENCE E. BANKS, JR., MEMORIAL
AWARD
BROADCOM MASTERS
THE IRENE BRUNNER MEMORIAL AWARD
GREATER OZARKS AUDUBON SOCIETY
GREENE COUNTY RESOURCE
MANAGEMENT
THE STAN HOWELL MEMORIAL BOTANY
AWARD
INTEL
MISSOURI DEPARTMENT OF
CONSERVATION
MISSOURI SOCIETY OF PROFESSIONAL
ENGINEERS
MISSOURI STATE UNIVERSITY
MISSOURI STATE UNIVERSITY COLLEGE OF
NATURAL & APPLIED SCIENCES
MISSOURI STATE UNIVERSITY
DEPARTMENT OF BIOLOGY
THE LOU & NADINE MOORE MEMORIAL
AWARD

MU ALPHA THETA
NATIONAL AERONAUTICS AND SPACE
ADMINISTRATION
NATIONAL OCEANIC & ATMOSPHERIC
ADMINISTRATION
OSWEGO GENIUS OLYMPIAD AWARD
OZARKS SCIENCE & ENGINEERING FAIR
THE MARY JEAN PLASTER MEMORIAL
AWARD
THE ROBERT W. PLASTER MEMORIAL
AWARD
REGENERON SCIENCE TALENT SEARCH
RICOH CORPORATION
THE REGIONAL FAIR DIRECTOR EMERITUS
SYLVIA SPEAR MEMORIAL AWARD
SCHNEIDER FOUNDATION
SMITH-GLYNN-CALLOWAY FOUNDATION
SOCIETY FOR IN VITRO BIOLOGY
STOCKHOLM WATER PRIZE
THE JAMES K. TICE MEMORIAL TEACHER
AWARD
UNITED STATES AIR FORCE
UNITED STATES NAVAL SCIENCE
WOMEN IN GEOSCIENCE
WOMEN IN SCIENCE
YALE SCIENCE & ENGINEERING
ASSOCIATION

SENIOR DIVISION GRAND PRIZE WINNERS & ALTERNATES

(Grand Prize Awards Sponsored by: Cheryl and Rodney Wrinkle, Schneider Foundation & Associated Electric Cooperative, Inc. - includes plaques & trip to the Intel International Science & Engineering Fair for the Grand Prize Winners.)

GRAND PRIZE Daniel Kim
What Is More Toxic: Silver Or Cadmium?
Kickapoo High School
Kyoungtae Kim

GRAND PRIZE David Wells
Bacteriophage: A Novel Approach for
Antibacterial Wound Dressing
Glendale High School
Jeffrey Wells

1st ALTERNATE Katie Lu
Nano-Ferrofluid for Microplastic Removal in
Water
Central High School
Rhyan Friesen

2nd ALTERNATE Lisa Carpenter
Evolutionary Relationships Between Conifers
Greenwood Lab School
Kristy Gilmore

JUNIOR DIVISION GRAND PRIZE WINNERS

(Plaque to each Junior Grand Prize Winner & Teacher)

GRAND PRIZE Elseya Ligon
I Know It Like the Back of My Hand
Central Scholars
Denise Vinton

THE 2019 JUNIOR DIVISION



PLACEMENT AWARD WINNERS!

JUNIOR DIVISION PLACEMENT AWARDS

BEHAVIORAL AND SOCIAL SCIENCES

1st Place: Elseya Ligon
I Know It Like the Back of My Hand
Denise Vinton
Central Scholars

2nd Place: Elizabeth Fairchild
Styles of Learning Among Males and Females
Lynn Vogel
St. Agnes Middle

Alyssa Nanneman
Ambiguous Images, Unambiguous Results
Lynn Vogel
St. Agnes Middle

3rd Place: Taigan Calhoun
The Prevalence of Synesthesia in Middle School Students
Aleth Rogers
Norwood Middle

Brooke Blecha
Paper or PC?
Denise Vinton
Central Scholars

4th Place: Naomi Meng
Visual and Audio Reactions Cues
Denise Vinton
Central Scholars

BOTANY

1st Place: Lilly Williams
Plants: The Effects of Caffeine on Plant Growth
Denise Vinton
Central Scholars

2nd Place: Kristia Kristek
How Does Your Garden Grow?
Lynn Vogel
St. Agnes Middle

3rd Place: Evan Otradovec
Don't Soil Your Plants
Lynn Vogel
St. Agnes Middle

BOTANY (cont.)

4th Place: Sarah Stokes
Don't Spare on Me
Lynn Vogel
St. Agnes Middle

CHEMISTRY

1st Place: Emma Buckthorpe
Candy Crush
Chromatography
Aaron Tackett
Immaculate Conception

2nd Place: Kyle Turner
Milk Intolerant
Denise Vinton
Central Scholars

Audrey Ipock
Effect of Octane Levels on Fuel Efficiency
Ryan Curtis
Manes R-V

3rd Place: Rachel Nottestad
A Humid Tornado
Keaton Patterson
Marshfield Middle

Chloe Stenger
Does pH of Water Affect How Fast It Freezes?
Rob Powers
The Summit

4th Place: Peggy Nwodo
The Power of Fruit
Lynn Vogel
St. Agnes Middle

Lizzie Heffern
Inked
Denise Vinton
Central Scholars

COMPUTER SCIENCE/MATH

1st Place: Daniel Bao
Learning the Geometric Formulas
Denise Vinton
Central Scholars

COMPUTER SCIENCE/MATH (cont.)

2nd Place: Josh Faust
Transmitting Data From Computers Using Alternate Methods
Miranda Jump
St. Joseph Academy

3rd Place: Michelle Johnson
Tara Lumley
The Golden Face
Aaron Tillman
Marshfield Middle

4th Place: Zach Turner
The Effect of How Much Energy is Produced by Solar Panels
Ryan Curtis
Manes R-V

EARTH & SPACE/ENVIRONMENTAL

1st Place: Sohum Dua
An Angle's Effect on Solar Panels
Denise Vinton
Central Scholars

2nd Place: Kennedy Orr
Microplastic in Jordan Creek Underground
Denise Vinton
Central Scholars

3rd Place: Carleigh Russell
Testing For e. Coli In Creek Water
Miriam Jump
St. Joseph Academy

4th Place: Sidney Shultz
Dissolved Oxygen and Daphnia Magna Heart Rate
Aleth Rogers
Norwood R-1

ENGINEERING

1st Place: Arthur Pille
Laminate Wood vs. Natural Wood
Miriam Jump
St. Joseph Academy

JUNIOR DIVISION PLACEMENT AWARDS

ENGINEERING (cont.)

2nd Place: Canter Meints
Providing Perfect Practice
Denise Vinton
Central Scholars

3rd Place: Parker Foster
Sticky Situation
Lynn Vogel
St. Agnes Middle

4th Place: Matteo Fransis
Lichtenberg Wood
Burning Solutions
Denise Vinton
Central Scholars

MEDICINE & HEALTH

1st Place: Kylee Bradshaw
The Effect of OTC
Medication on the
Survival Rate of Daphnia
Aleth Rogers
Norwood R-1

2nd Place: Kailyn Calhoun
It's Organic I Swear
Aleth Rogers
Norwood R-1

3rd Place: Haylee Elliot
The Effect of Bulb Type
on UV Ray Intensity
Aleth Rogers
Norwood R-1

4th Place: Katelynn Bennett
The Effect of Cigarettes
on Lung Health
Aleth Rogers
Norwood R-1

MICROBIOLOGY

1st Place: Gabriel Todd
Essential Oils on Bacterial
Growth
Aleth Rogers
Norwood R-1

2nd Place: Quinn Smith
Getting to Know the Red
Tides
Denise Vinton
Central Scholars

MICROBIOLOGY (cont.)

3rd Place: Marisa Antanez
Effect of Spaces on Food
Preservation
Aleth Rogers
Norwood R-1

4th Place: Lane Lowrance
Paper Towels vs. Air
Dryer
Ryan Curtis
Manes R-V

PHYSICS

1st Place: Dalen Dibben
The Effect of the Tire
Tread on the Acceleration
Miriam Jump
St. Joseph Academy

2nd Place: Graham Satterwhite
The Effect of Humidity on
the Speed of a Baseball
Denise Vinton
Central Scholars

Kaden Weis
The Effects of Design on
Paper Airplane Flight
Denise Vinton
Central Scholars

3rd Place: MacGuire Orman
Chase Haynes
The Lighting of the Bulb
Aaron Tackett
Immaculate Conception

Rylee Wilson
Riley Manary
Surface Matters
Aaron Tillman
Marshfield Middle

4th Place: Bill Zou
What Kinds of Formula
Can Let Bubble Stay
Longer?
Rob Powers
The Summit

ZOOLOGY

1st Place: Griffin West
Chicken Training: A Point
and Cluck Experiment
Lynn Vogel
St. Agnes Middle

2nd Place: Cadence Jarret
The Effect of Color on
Pogonomyrmex
Preference
Aleth Rogers
Norwood R-1

3rd Place: Cooper Vaughn
The Effect of Sweetener
Types on Ant Food
Choice
Aleth Rogers
Norwood R-1

4th Place: Carol Myers
Seeds or Sweets
Denise Vinton
Central Scholars

THE 2019 SENIOR DIVISION



PLACEMENT AWARD WINNERS!

SENIOR DIVISION PLACEMENT AWARDS

BEHAVIORAL AND SOCIAL SCIENCES

1st Place: Linley Wilson
The Effect of TBHQ on
Fruit Flies
Tabitha Shaver
Hartville High

BIOCHEMISTRY/MICROBIOLOGY

1st Place: Daniel Kim
What is More Toxic:
Silver or Cadmium?
Kyoungtae Kim
Kickapoo High

2nd Place: Mahiya Ellis
Effect of Different
Whitening Toothpastes
on Different Stains
Tabitha Shaver
Hartville High

3rd Place: Grace Culver
Do Cleaning Products
Cause Headaches?
Tabitha Shaver
Hartville High

4th Place: John Sharp
Emma McCall
The Effect of
Temperature and
Concentration on pH
Kristy Gilmore
Greenwood Lab

BOTANY/ENVIRONMENTAL

1st Place: Lisa Carpenter
Evolutionary
Relationships Between
Conifers
Kristy Gilmore
Greenwood Lab

2nd Place: Katie Lu
Nano-Ferofluid For
Microplastic Removal
in Water
Rhyan Friesen
Central High

3rd Place: Arya Eledath
Eco-Plan: A Solution
to Global Climate
Change
Tara Bonebrake
Greenwood Lab

BOTANY/ENVIRONMENTAL(cont.)

4th Place: David Cox
Hugh McWay
Utilizing a Digital
Camera to Measure
Skyglow
Kristy Gilmore
Greenwood Lab

ENGINEERING/MATH/PHYSICS

1st Place: Fiona Wu
Modeling Targeted
Political Polling Using
Monte Carlo Methods
Kristy Gilmore
Greenwood Lab

2nd Place: Damon Rust
Ulterior Farming
Aaron Tillman
Marshfield High

3rd Place: Will Riley
Comparing Boot Times
Between SSD and
HDD Storage
Kristy Gilmore
Greenwood Lab

4th Place: Grant Harper
Dom Polly
Aminu Mohammed
Basketball: The
Geometry of Banking a
Basket
Kristy Gilmore
Greenwood Lab

MEDICINE/MICROBIOLOGY

1st Place: David Wells
Bacteriophage: A
Novel Approach for
Antibacterial Wound
Dressing
Jeffrey Wells
Glendale High

2nd Place: Bailey Martin
The Effects of Pain
Relievers on Bacterial
Growth
Tabitha Shaver
Hartville High

MEDICINE/MICROBIOLOGY (cont.)

3rd Place: Landin Henson
Michael Bennett
Justyce Crecelius
Effect of
Mediterranean Diet on
Liver Enzymes
Marteen Nolan
Crocker High

**THE 2019
JUNIOR & SENIOR
DIVISION**



**SPECIAL AWARD
WINNERS!**

SPECIAL AWARDS

AMERICAN CHEMICAL SOCIETY – OZARKS CHAPTER

\$25 Cash Award

Junior Division: Audrey Ipock
Manes R-V

Senior Division: John Sharp
Emma McCall
Greenwood Lab

\$75 Cash Award

Junior Division: Emma Buckthorpe
Immaculate Conception

Mahiya Ellis
Hartville High

AMERICAN PSYCHOLOGICAL ASSOCIATION

Certificate

Senior Division: Linley Wilson
Hartville High

THE AMERICAN SOCIETY OF MAMMOLOGISTS

Certificate of Award

Junior Division: Nathan Piedrocki
St. Agnes Middle

ASM MATERIALS EDUCATION FOUNDATION

Certificate

Senior Division: Daniel Kim
Kickapoo High

ASSOCIATION OF WOMEN GEOSCIENTISTS

Certificate of Award

Junior Division: Trisha Tewari
Central Scholars

BAKER CHAIR OF INSURANCE/GAMMA IOTA SIGMA AWARD

\$50 Cash, \$25 Restaurant Gift Card, Insurance Program & Fraternity Promotional Materials, & Certificate of Achievement

Senior Division: Katie Lu
Central High

BROADCOM MASTERS

Certificate of Award and Advancement in National Level Competition with awards up to \$25,000

Junior Division: Elseya Ligon
Central Scholars

Lilly Williams
Central Scholars

Emma Buckthorpe
Immaculate Conception

Daniel Bao
Central Scholars

Sohum Dua
Central Scholars

Arthur Pille
St. Joseph Academy

Kiley Bradshaw
Norwood R-1

Gabriel Todd
Norwood R-1

Dalen Dibben
St. Joseph Academy

Griffin West
St. Agnes Middle

THE IRENE BRUNNER MEMORIAL AWARD

\$25 Cash Award & Certificate

Junior Division: Julie Daily
Marshfield Middle

GENIUS OLYMPIAD AWARD

Certificate and Invitation to Compete in Genius Olympiad

Senior Division: Damon Rust
Marshfield High

Katie Lu
Central High

GREATER OZARK AUDUBON SOCIETY “ENVIRONMENTAL AWARENESS AWARD”

One Year Membership in the National Audubon Society & Field Guide

Senior Division: Arya Eledath
Greenwood Lab

GREENE COUNTY RESOURCE MANAGEMENT “GROUNDWATER GUARDIAN” AWARD

Certificate and Bonus Item

Junior Division: Gavin McGraw
Norwood R-1

THE STAN HOWELL MEMORIAL BOTANY AWARD

Book

Junior Division: Lilly Williams
Central Scholars

Senior Division: Lisa Carpenter
Greenwood Lab

INTEL EXCELLENCE IN COMPUTER SCIENCE AWARD

\$200 Cash Award & Certificate

Senior Division: Fiona Wu
Greenwood Lab

SPECIAL AWARDS

INTEL INTERNATIONAL SCIENCE AND ENGINEERING FAIR AWARD

Certificate and Trip to INTEL ISEF

Senior Division: Daniel Kim
Kickapoo High

David Wells
Glendale High

THE 2019 LEMELSON EARLY INVENTOR PRIZE BY SOCIETY FOR SCIENCE & THE PUBLIC

\$100 Cash Award

Junior Division: Carter Meints
Central Scholars

MISSOURI DEPARTMENT OF CONSERVATION SCIENCE FAIR AWARD

DVDs, CDs, and Field Guide

Junior Division: Carleigh Russell
St. Joseph Academy

Senior Division: Hugh McWay
David Cox
Greenwood Lab

MISSOURI SOCIETY OF PROFESSIONAL ENGINEERS

\$100 Cash Prize

Junior Division: Arthur Pille
St. Joseph Academy

\$200 Cash Prize

Senior Division: Damon Rust
Marshfield High

MISSOURI STATE UNIVERSITY

\$1,000 Scholarship

Senior Division: Linley Wilson
Hartville High

Daniel Kim
Kickapoo High

Lisa Carpenter
Greenwood Lab

Fiona Wu
Greenwood Lab

David Wells
Glendale High

MISSOURI STATE UNIVERSITY COLLEGE OF NATURAL AND APPLIED SCIENCES GRAND PRIZE AWARD

\$50 Barnes & Noble Gift Card

Junior Division: Elseya Ligon
Central Scholars

Senior Division: David Wells
Glendale High

Daniel Kim
Kickapoo High

MISSOURI STATE UNIVERSITY DEPARTMENT OF BIOLOGY

\$1,000 Work Study Offer; Certificate to student and Plaque to Teacher

Senior Division: Lisa Carpenter
Greenwood Lab

LOU & NADINE MOORE MEMORIAL AWARD

\$50 Cash Award to the Junior Division projects covering Education or Special Needs

Junior Division: Audrey James
Norwood R-1

Bryna Norman
Marshfield Middle

Molly Cannon
Marshfield Middle

MU ALPHA THETA MATH AWARD

Certificate

Senior Division: Fiona Wu
Greenwood Lab

NASA EARTH SYSTEM SCIENCE AWARD

Certificate

Senior Division: David Cox
Greenwood Lab

Hugh McWay
Greenwood Lab

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION "TAKING THE PULSE OF THE PLANET" AWARD

Letter, Certificate of Award, and NOAA Medallion

Junior Division: Sidney Shultz
Norwood R-1

REGENERON SCIENCE TALENT SEARCH

Opportunity to Advance to National Competition with awards up to \$150,000

Senior Division: Linley Wilson
Hartville High

David Wells
Glendale High

RICOH CORPORATION SUSTAINABLE DEVELOPMENT AWARD

Certificate of Award

Senior Division: Arya Eledath
Greenwood Lab

SPECIAL AWARDS

SCHNEIDER FOUNDATION

\$250 Cash & Certificate

Junior Division: Elseya Ligon
Central Scholars

Emma Buckthorpe
Immaculate Conception

Sohum Dua
Central Scholars

Daniel Bao
Central Scholars

Gabriel Todd
Norwood R-1

\$500 Cash & Certificate; cash award split between team members.

Senior Division: Landin Henson
Crocker High

Michael Bennett
Crocker High

Justyce Crecelius
Crocker High

David Wells
Glendale High

Daniel Kim
Kickapoo High

Katie Lu
Central High

Fiona Wu
Greenwood Lab

SMITH-GLYNN-CALLOWAY FOUNDATION

\$200 Cash and Certificate of Award

Junior Division: Kylee Bradshaw
Norwood R-1

Gabriel Todd
Norwood R-1

\$300 Cash and Certificate of Award

Senior Division: Landin Henson
Crocker High

Michael Bennett
Crocker High

Justyce Crecelius
Crocker High

David Wells
Glendale High

SOCIETY FOR IN VITRO BIOLOGY

Certificate & Letter of Congratulations

Senior Division: David Wells
Glendale High

UNITED STATES AIR FORCE

Certificate

Senior Division: David Wells
Kickapoo High

Grace Culver
Hartville High

UNITED STATES NAVAL SCIENCE AWARD

Certificate, Letter of Congratulations, & Medallion

Junior Division: Lilly Williams
Central Scholars

Sohum Dua
Central Scholars

Gabriel Todd
Norwood R-1

Certificate and \$50 Gift Card

Senior Division: Lisa Carpenter
Greenwood Lab

David Wells
Glendale High

UNITED STATES STOCKHOLM WATER PRIZE

Certificate of Award, Advance to National Competition

Senior Division: Katie Lu
Central High

WOMEN IN GEOSCIENCE

Certificate of Award

Junior Division: Trisha Tewari
Central Scholars

WOMEN IN SCIENCE

\$25 Gift Certificate

Junior Division: Lilly Williams
Central Scholars

Senior Division: Lisa Carpenter
Greenwood Lab

YALE SCIENCE & ENGINEERING ASSOCIATION AWARD

Certificate & Pewter Medallion

Senior Division: Fiona Wu
Greenwood Lab

SPECIAL AWARDS

THE ROBERT W. PLASTER MEMORIAL EXCELLENCE IN TEACHING AWARD

\$1,000 Cash Award to the Teacher with the most Placement Awards in the Senior Division

Kristy Gilmore
Greenwood Lab

THE MARY JEAN PLASTER MEMORIAL EXCELLENCE IN TEACHING AWARD

\$1,000 Cash Award to the Teacher with the Most Placement Awards in the Junior Division

Denise Vinton
Central Scholars

THE REGIONAL FAIR DIRECTOR EMERITUS SYLVIA SPEAR MEMORIAL AWARD

\$25 Cash to a First Time Teacher

Aaron Tackett
Immaculate Conception

THE JAMES K. TICE MEMORIAL TEACHER AWARD

This award of \$250 cash and a certificate has been established in memory of James K. Tice, whose constant support and encouragement of Missouri's teachers and students changed so many lives.

Mr. Tice served for many years as a teacher, principal and superintendent of K-12 schools. Even after he retired from public education, Mr. Tice continued his tireless dedication to improving educational opportunities for everyone. He was devoted to creating learning communities, by integrating current and emerging technologies into the classroom.

Mr. Tice was our coach, teacher, mentor, surrogate parent, and friend. He never failed to say "I appreciate you". It is our hope that the recipient of this award also hears "We appreciate you".

The recipient of this year's award is:

Miriam Jump
St. Joseph Academy

THE LAWRENCE E. BANKS, JR., MEMORIAL TECHNOLOGY FOR TEACHERS AWARD

This award of \$250 cash and a certificate has been established in memory of Lawrence E. Banks, Jr., the former Dean of the Missouri State University College of Natural and Applied Sciences and a long-time friend and supporter of the Fair.

Dr. Banks was dedicated to education in the state of Missouri and was a strong proponent of innovative educational projects at the K-12 level as well as higher education. In 2000, he received the Science Teachers of Missouri Distinguished Service Award in recognition of his tireless support and commitment to science education.

In memory of Dr. Banks' enthusiasm and interest in technology, the recipient of this award is encouraged to integrate technology in their classroom.

The recipient of this year's award is:

Tabitha Shaver
Hartville High

OZARKS SCIENCE & ENGINEERING FAIR JUNIOR DIVISION TEACHER AWARDS

This Certificate is awarded to the teachers of the Junior Division First Place Category winners. The recipients of the Junior Division Teacher Awards for 2019 are:

Denise Vinton
Central Scholars

Aaron Tackett
Immaculate Conception

Miriam Jump
St. Joseph Academy

Aleth Rogers
Norwood R-1

Lynn Vogel
St. Agnes

OZARKS SCIENCE & ENGINEERING FAIR SENIOR DIVISION TEACHER AWARDS

This Certificate is awarded to the teachers of the Senior Division First Place Category winners. The recipients of the Senior Division Teacher Awards for 2019 are:

Tabitha Shaver
Hartville High

Kyoungtae Kim
Kickapoo High

Kristy Gilmore
Greenwood Lab

Jeffrey Wells
Glendale High

OZARKS SCIENCE & ENGINEERING FAIR JUNIOR DIVISION GRAND PRIZE TEACHER AWARD

This award of a plaque is awarded to the teacher of the Junior Division Grand Prize student project. The recipient of the OSEF Foundation Junior Division Grand Prize Teacher Award for 2019 is:

Denise Vinton
Central Scholars

OZARKS SCIENCE & ENGINEERING FAIR SENIOR DIVISION GRAND PRIZE ALTERNATES TEACHER AWARD

This award of a certificate is awarded to the teacher(s) of the Senior Division Grand Prize Alternates student projects. The recipients of the OSEF Foundation Senior Division Grand Prize Alternates Teacher Award for 2019 is:

Rhyan Friesen
Central High

Kristy Gilmore
Central High

SPECIAL AWARDS

OZARKS SCIENCE & ENGINEERING FAIR
SENIOR DIVISION GRAND PRIZE
TEACHER AWARD

This award of a plaque is awarded to the teacher(s) of the Senior Division Grand Prize student projects. The recipients of the OSEF Foundation Senior Division Grand Prize Teacher Award for 2019 is:

Kyoungtae Kim
Kickapoo High

Jeffrey Wells
Glendale High



The Ozarks Science & Engineering Fair Foundation and Steering Committee would like to recognize those volunteers, both individuals and organizations, without whom this event would not be possible. This week alone, over 350 hours of volunteer time and effort were donated – our deepest thanks and appreciation to all our volunteers!

In addition, approximately 63 judges from local colleges, companies and organizations donated their time and expertise Tuesday evening to judge the nearly 250 projects at this year's Fair. We cannot recognize them all by name, but their efforts are greatly appreciated.

We would also like to extend a very special Thank You to Rick Hale and the crew at Copy Products for their generous loan of a copier for the duration of the Fair, and Mike Murphy of the College of Natural and Applied Sciences' Electronic Support Services for the loan of computers and printers for the duration of the Fair.

Finally, we especially want to acknowledge the generous donation contributed by Associated Electric Cooperative, Schneider Foundation, and Cheryl and Rodney Wrinkle toward the substantial travel expenses incurred by the Senior Division Grand Prize Winners for travel to the 2019 International Science & Engineering Fair on May 12 – 17, 2019, in Phoenix, AZ.

Volunteers are the lifeblood of an event of this magnitude. Without you, we could not continue the Fair's tradition of excellence. Thank you!