

Missouri Academy of Sciences 59th Annual Meeting



Junior Division

**Missouri Southern
State University
April 21, 2023**

MISSOURI ACADEMY OF SCIENCE JUNIOR DIVISION OFFICERS

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Missouri Southern State University

Dr. Teresa Boman
Missouri Southern State University

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Dr. Teresa Boman
Missouri Southern State University

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MISSOURI SOUTHERN STATE UNIVERSITY

Welcome to the 2023 Missouri Junior Academy of Science Annual Meeting at Missouri Southern State University. Congratulations! Your participation speaks volumes of your interest in, and dedication to, your education and your future. Please see this as an opportunity to demonstrate your knowledge, share ideas, and build your network.

As you engage with other participants, your teachers, and the Meeting volunteers, do not hesitate to ask about the opportunities and programs available to you as you plan the next steps of your academic journey. Curiosity may have killed the cat, but it makes us all better humans. Good luck to each of you. We are so happy to have you on the campus of Missouri Southern!

Sincerely,

Dr. Lisa Toms



Dr. Lisa Toms
Provost and Vice President of Academic Affairs

Institutional Sponsor

Originally established in 1937 as Joplin Junior College, Missouri Southern State University is a state-assisted, four-year regional university that also offers graduate degree programs. Located in Joplin, Missouri, in the foothills of the Ozark Mountains, the University is within minutes from some of the greatest scenery and waterways in the nation.

Missouri Southern serves over 5,000 students in **140+ academic programs** . MSSU's outstanding **NCAA Division II athletics programs** , award-winning themed semesters, fun student activities and enriching cultural events in theatre, art, music and film create an engaging learning environment for our students and citizens of the region. Our graduates work in their communities every day as leaders, entrepreneurs, artists, teachers and innovators.

Missouri Southern State University is accredited by the Higher Learning Commission and was most recently reaffirmed for accreditation by the Higher Learning Commission in 2023



**MISSOURI
SOUTHERN**
STATE UNIVERSITY®

Award Sponsors

Student and teacher awards for individual categories and special prizes were funded by a variety of donors, listed below

Middle School

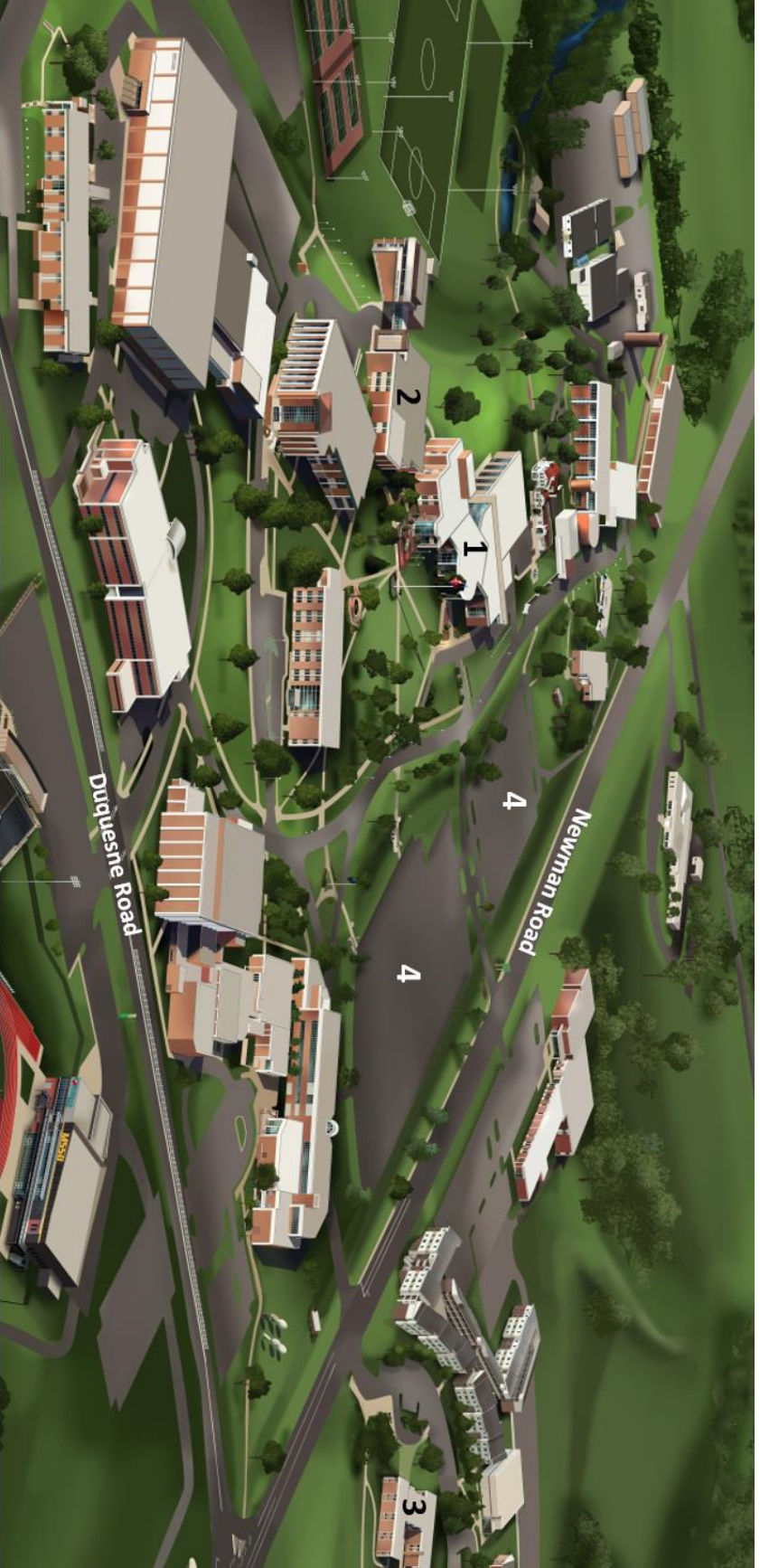
Award	Sponsor
Agriculture and Plant Science finalist	MSSU Pollinators Club
Behavioral and Social Science finalist	MSSU Social Sciences Dept.
Biology and Environmental Science finalist	MSSU Wildlife Society
Chemistry and Biochemistry finalist	MSSU Chemistry Dept.
Computer Science and Mathematics finalist	NA
Medicine and Human Health finalist	MSSU Caduceus Club
Microbiology and Cell/Molecular Biology finalist	NA
Engineering and Physics finalist	MSSU Math Department
Outstanding Middle School Teacher	MSSU Teacher Education Club
Kirkpatrick Junior Eagle Award (2)	MSSU Industrial Engineering Technology Dept.

High School

Award	Sponsor
Agriculture and Plant Science finalist	MSSU Pollinators Club
Behavioral and Social Science finalist	MSSU Social Sciences Dept.
Biology and Environmental Science finalist	MSSU Biology Dept.
Chemistry and Biochemistry finalist	MSSU Chemistry Dept.
Computer Science and Mathematics finalist	MSSU Math Dept.
Medicine and Human Health finalist	MSSU Caduceus Club
Microbiology and Cell/Molecular Biology finalist	MSSU Biology Dept.
Engineering and Physics finalist	MSSU Industrial Engineering Technology Dept.
Outstanding High School Teacher	MSSU Teacher Education Club
Kirkpatrick Senior Eagle Award	MSSU Environmental Health & Safety Program
Kirkpatrick Senior Eagle Award	MSSU Industrial Engineering Technology Department

Other Awards

Award	Sponsor
Paula Macy Award (MS or HS)	
Regenerative/Sustainable Agriculture Award (MS or HS)	Good Life Grass Farms
Amy and Beth Lawson Microbiology Award (MS & HS)	Dr. Mike Lawson, Joplin MO
Pollinator Protection Award (MS & HS)	Joplin Area Beekeepers Association



- 1) Billingsly Student Center
- 2) Reynolds Hall
- 3) McCormick Hall (Lodging)
- 4) Parking

SCHEDULE OF EVENTS

Friday, April 21, 2023

8:30 AM – 10:00 AM	General Registration <i>Billingsly Student Center, 2nd floor lobby</i>
10:00 AM – 10:30 AM	Welcome and Student Orientation <i>Billingsly Student Center, Connor Ballroom</i> Drs. Teresa Boman and Mary Kilmer, State Co-Directors
10:00 AM – 10:30 AM	Welcome and Judges Orientation <i>Billingsly Student Center, Board of Governors Room</i> Drs. Teresa Boman and Mary Kilmer, State Co-Directors
10:30 AM - 12:30 PM	Middle/High School Concurrent Paper Sessions (Room Assignments and schedule on the following pages)
12:30 PM – 1:45 PM	Lunch
2:00 PM – 3:00 PM	Early Awards and Announcement of Finalists
3:00 PM – 5:00 PM	Middle School Finalists' Presentations <i>Billingsly Student Center, Room 309</i> High School Finalists' Presentations <i>Billingsly Student Center, Connor Ballroom</i>
6:00 PM – 6:30 PM	Middle and High School Finalist Awards Ceremony <i>Billingsly Student Center, Connor Ballroom</i>

MIDDLE SCHOOL

Agriculture and Plant Science Biology and Environmental Science Reynolds Hall Room 235	
10:30	Ava Hogan South Middle School
10:45	Cooper Self Camdenton Middle School
11:00	Jack Johno Camdenton Middle School
11:15	Myresa Medsker St. Patrick School
11:30	David Campbell St. Patrick School
Engineering and Physics Reynolds Hall Room 315	
10:30	Jakob Fischer St. Patrick School
10:45	Michael McLaughlin St. Patrick School
11:00	Logan Lough St. Patrick School
11:15	Lilian Gordon Laura Speed Elliot Middle School
11:30	Kayden Smith Miami R-1 Middle School
11:45	Madison Cole Tuscumbia Middle School
12:00	Paige Mulford Camdenton Middle School
Behavioral and Social Science Chemistry and Biochemistry Medicine and Human Health Reynolds Hall Room 204	
10:30	Virginia Loehr Miami R-1 Middle School
10:45	Kameryn Sosa Laura Speed Elliot Middle School
11:00	Lydia Crabtree South Middle School
11:15	Kennedy Esquibal Camdenton Middle School
11:30	Gracie Ulam Camdenton Middle School
11:45	Reese Hohe St. Patrick School

HIGH SCHOOL

Biology and Environmental Science Billingsly Student Center Room 314	
10:30	Payton Erickson Joplin High School
10:45	Vivian Farber Joplin High School
11:00	Maya Elliot Lebanon High School
11:15	Kaden Luker Jackson Senior High School
11:30	Brayden Martin Eldon High School
11:45	Cameron Tedrick St. Clair High School
Agriculture and Plant Science Biology and Environmental Science Billingsly Student Center Room 356	
10:30	Colin Stokes (virtual) Tuscumbia High School
10:45	Lila Sverdrup Wentzville Holt High School
11:00	Zoe Martonfi Eldon High School
11:15	Erin Holly Perryville High School
11:30	Joseph Foster Perryville High School
11:45	Reagan Arhart Tuscumbia High School
Engineering and Physics Computer Science and Mathematics Billingsly Student Center Room 343	
10:30	Connor Starkey (virtual) Camdenton High School
10:45	Christopher Wadley Lebanon High School
11:00	Tina Wang Marquette High School
11:15	Jacob Hogue Montgomery County R-II High School
11:30	Addison Farnham Tuscumbia High School
11:45	Mackenzie Thompson Wentzville Holt High School
Chemistry and Biochemistry Behavioral and Social Science Reynolds Hall Room 205	
10:30	Sanika Saraf Marquette High School
10:45	Isabella Hamner (virtual) Camdenton High School
11:00	Adrenn Thomas Perryville High School
11:15	Brooklyn Hiller Joplin High School

HIGH SCHOOL

Medicine and Human Health <i>Billingsly Student Center Room 341</i>	
10:30 Carter Smith (virtual)	Camdenton High School
10:45 Prithvi Nagarajan	Thomas Jefferson Independent School
11:00 Bailey O' Neil	Jackson Senior High School
11:15 Danielle Cochran	Timberland High School
11:30 Anna Barnhart	Joplin High School
Microbiology and Cell/Molecular Biology <i>Reynolds Hall Room 111</i>	
10:30 Andrew Bufalo	Wentzville Holt High School
10:45 Jacob Arnold	Eldon High School
11:00 Saathvik Kannan	David H. Hickman High School
11:15 Kayley Lory	Marquette High School
11:30 Andrew Wu	Marquette High School
11:45 Isabella Yust	Joplin High School
12:00 Joseph Ipsen	Joplin High School

MIDDLE SCHOOL

Presentations

**MIDDLE SCHOOL
BEHAVIORAL AND SOCIAL SCIENCE
CHEMISTRY AND BIOCHEMISTRY
MEDICINE AND HUMAN HEALTH
Reynolds Hall Room 204**

Behavioral & Social Science

- 10:30 AM **Virginia Loehr, Miami R-1 Middle School**
The Stroop Effect: Determining if Manipulations of Words can Eliminate the Stroop Effect
Sponsoring Teacher: Amber Southard
- 10:45 AM **Kameryn Sosa, Laura Speed Elliot Middle School**
Music vs Concentration
Sponsoring Teacher: Casandra Goyer

Chemistry and Biochemistry

- 11:00 AM **Lydia Crabtree, South Middle School**
How does the type of acidic liquid affect the quality of casein plastic?
Sponsoring Teacher: Abbie Durr
- 11:15 AM **Kennedy Esquibal, Camdenon Middle School**
Bread: The Staff of Life
Sponsoring Teacher: Amy Larrington
- 11:30 AM **Gracie Ulam, Camdenon Middle School**
To Feed Or Not to Feed Your Lawn
Sponsoring Teacher: Amy Larrington

Medicine & Human Health

- 11:45 AM **Reese Hohe, St. Patrick School**
The Effect of Toothpaste on Your Teeth
Sponsoring Teacher: Didi Fischer

**MIDDLE SCHOOL
ENGINEERING AND PHYSICS**
Reynolds Hall Room 315

Engineering and Physics

- 10:30 AM **Jakob Fischer, St. Patrick School**
The Effect of Temperature on the Movement and Weight of Different Gases
Sponsoring Teacher: Did Fischer
- 10:45 AM **Michael McLaughlin, St. Patrick School**
The Effect of Weight Placement on the Finish Time of a Pinewood Derby Car
Sponsoring Teacher: Did Fischer
- 11:00 AM **Logan Lough, St. Patrick School**
The Effect of Different Catapult Designs on the Acceleration of a Brick
Sponsoring Teacher: Did Fischer
- 11:15 AM **Lillian Gordon, Laura Speed Elliot Middle School**
DIY Electric Generator
Sponsoring Teacher: Casandra Goyer
- 11:30 AM **Kayden Smith, Miami R-1 Middle School**
Under Pressure: The Engineer Design of a Pneumatic Can Crusher
Sponsoring Teacher: Amber Southard
- 11:45 AM **Madison Cole, Tuscumbia Middle School**
Beat the Heat! Investigating the Effects of Sun Shields on Internal Car Temperatures
Sponsoring Teacher: Connie Wyrick
- 12:00 PM **Paige Mulford, Camdenton Middle School**
Icephobic Concrete
Sponsoring Teacher: Amy Larrington

**MIDDLE SCHOOL
AGRICULTURE AND PLANT SCIENCE
BIOLOGY AND ENVIRONMENTAL SCIENCE
Reynolds Hall Room 235**

Agriculture and Plant Science

10:30 AM **Ava Hogan, South Middle School**
The Effect of the Type of Food on the Growth Rate of a Chick
Sponsoring Teacher: Abbie Durr

10:45 AM **Cooper Self, Camdenon Middle School**
Lights In Action
Sponsoring Teacher: Tim Mulford

11:00 AM **Jack Johno, Camdenon Middle School**
Can Sound Affect Plant Development?
Sponsoring Teacher: Amy Larrington

Biology and Environmental Science

11:15 AM **Myresa Medsker, St. Patrick School**
The Effect of Ultraviolet Light on a Bird's Choice of Birdseed
Sponsoring Teacher: Didi Fischer

11:30 AM **David Campbell, St. Patrick School**
The Effect of the Level of Turbulence of Water on the Nutrient Uptake of Floating Wetlands
Sponsoring Teacher: Didi Fischer

HIGH SCHOOL

Presentations

**HIGH SCHOOL
BIOLOGY AND ENVIRONMENTAL SCIENCE
Billingsly Student Center, Room 314**

Biology and Environmental Science

- 10:30 AM **Payton Erickson, Joplin High School**
The Effect of Different Biochars on the Filtration of Phosphates and Nitrates
Sponsoring Teacher: Karisa Boyer
- 10:45 AM **Vivian Farber, Joplin High School**
Generational Effects of Exposure to Polyethylene Microplastics on the Aquatic Microcrustacean, Daphnia magna
Sponsoring Teacher: Karisa Boyer
- 11:00 AM **Maya Elliot, Lebanon High School**
A Ball-milled Biochar Alginate Filter: A Novel Approach to Water Quality
Sponsoring Teacher: Ryne Emerick
- 11:15 AM **Kaden Luker, Jackson Senior High School**
The Effect of pH of Water on the Biodegradation of Microplastics via the micrococcus luteus Bacteria
Sponsoring Teacher: Brittany Kelley
- 11:30 AM **Brayden Martin, Eldon High School**
The Effect of Aerosols on Environmental Factors as a Method to Reduce Global Warming
Sponsoring Teacher: Peggy Veatch
- 11:45 AM **Cameron Tedrick, St. Clair High School**
The Unique Properties of Onondaga Cave Algae
Sponsoring Teacher: Ben Martin

**HIGH SCHOOL
AGRICULTURE AND PLANT SCIENCE
BIOLOGY AND ENVIRONMENTAL SCIENCE
Billingsly Student Center, Room 356**

Biology and Environmental Science

- 10:30 AM **Colin Stokes, Tuscumbia High School (VIRTUAL)**
Sticking To It: Using Multi-Walled Carbon Nanotubes as Possible Adsorbents for Sulfamethoxazole
Sponsoring Teacher: Connie Wyrick
- 10:45 AM **Lila Sverdrup, Wentzville Holt High School**
The Effect of Anthropogenic Noise on Bumblebee Foraging Patterns: Further Investigated
Sponsoring Teacher: Jennifer Hess
- 11:00 AM **Zoe Martonfi, Eldon High School**
The Effect of Oryzalin on the Polyploidy of Lonicera maackii (Amur Honeysuckle) as an Invasive Species Management Strategy
Sponsoring Teacher: Peggy Veatch
- 11:15 AM **Erin Holly, Perryville High School**
Can natural Bryophyta Gardens affect air quality, overall health, and possibly put forth new ways to rid the atmosphere of greenhouse gasses? A small piece of the bigger picture
Sponsoring Teacher: Leanne Thele

Agriculture and Plant Science

- 11:30 AM **Joseph Foster, Perryville High School**
Can Citronella and Rosemary essential oils protect your dog from Dermacentor variabilis and Amblyomma americanum ticks
Sponsoring Teacher: Leanne Thele
- 11:45 AM **Reagan Arhart, Tuscumbia High School**
Blowing in the Wind
Sponsoring Teacher: Connie Wyrick

**HIGH SCHOOL
MEDICINE AND HUMAN HEALTH
Billingsly Student Center, Room 341**

- 10:30 AM **Carter Smith, Camdenton High School (VIRTUAL)**
Year Two of an Ongoing study on the Utilization of Biomimetic Designs to Engineer a More Efficient Surgical Laparoscopic Grasper
Sponsoring Teacher: Andrew Fecteau
- 10:45 AM **Prithvi Nagarajan, Thomas Jefferson Independent School**
The Utilization of Prazosin, Haloperidol, and Chlorpromazine to Effectively Treat Hepatocellular Carcinoma
Sponsoring Teacher: Chris Rupar
- 11:00 AM **Bailey O'Neal, Jackson Senior High School**
Duration of Heat Damage on DNA Collection From Teeth
Sponsoring Teacher: Brittany Kelley
- 11:15 AM **Danielle Cochran, Timberland High School**
Analyzing the Antimicrobial Effects of Tilapia Skin on Pseudomonas aeruginosa, Staphylococcus epidermidis, and Enterococcus faecalis
Sponsoring Teacher: Theresa Cordonier
- 11:30 AM **Anna Barnhart, Joplin High School**
The Effect of Various Diet Consumption on Simulated Alzheimer's Disease Responses
Sponsoring Teacher: Karisa Boyer

**HIGH SCHOOL
BEHAVIORAL AND SOCIAL SCIENCE
CHEMISTRY AND BIOCHEMISTRY**

Reynolds Hall, Room 205

Behavioral & Social Sciences

10:30 AM **Sanika Saraf, Marquette High School**
The Effect of Access to an Attorney on Basic Need Civil Cases in East Missouri
Sponsoring Teacher: Cathy Farrar

10:45 AM **Isabella Hamner, Camdenton High School (VIRTUAL)**
*Exploring the Deterrent Properties of β -linalool against *Odocoileus virginianus* as a Method for Limiting Deer-Vehicle Collisions*
Sponsoring Teacher: Andrew Fecteau

11:00 AM **Adrenn Thomas, Perryville High School**
Does altering filter media affect the overall behavior and health of snails in aquariums?
Sponsoring Teacher: Leanne Thele

Chemistry and Biochemistry

11:15 AM **Brooklyn Hiller**
*The Effects of Benzalkonium Chloride on *Medicago Sativa* and *Elodea Canadensis**
Sponsoring Teacher: Karisa Boyer

**HIGH SCHOOL
MICROBIOLOGY AND CELL/MOLECULAR BIOLOGY
Reynolds Hall, Room 111**

- 10:30 AM **Andrew Bufalo, Wentzville Holt High School**
The mechanism of action by which p38 alpha and beta promote DUX4 gene expression
Sponsoring Teacher: Jennifer Hess
- 10:45 AM **Jacob Arnold, Eldon High School**
Differences in Efficacy Against Gram-Positive and Gram-Negative Bacteria at Various Disinfectant Concentrations
Sponsoring Teacher: Peggy Veatch
- 11:00 AM **Saathvik Kannan, David H. Hickman High School**
BIOPLEX: innovative biocomputational approach to decode the secrets of the 2022 monkeypox resurgence
Sponsoring Teacher: NA
- 11:15 AM **Kayley Lory, Marquette High School**
The Effectiveness of Commercial Peach Preservation Methods
Sponsoring Teacher: Cathy Farrar
- 11:30 AM **Andrew Wu, Marquette High School**
Determining Mutation Rate with Mutation Accumulation in C. albicans
Sponsoring Teacher: Cathy Farrar
- 11:45 AM **Isabella Yust, Joplin High School**
The Effect of Probiotic Brands and Costs on True Microorganisms Content
Sponsoring Teacher: Karisa Boyer
- 12:00 PM **Joseph Ipsen, Joplin High School**
Organic Treatments Options for Moraxella catarrhalis (Pink Eye) Infections in Cattle
Sponsoring Teacher: Karisa Boyer

**HIGH SCHOOL
COMPUTER SCIENCE AND MATHEMATICS
ENGINEERING AND PHYSICS
Billingsly Student Center, Room 343**

Computer Science and Mathematics

- 10:30 AM **Connor Starkey, Camdenton High School (VIRTUAL)**
Developing a Web Communication Debris Evasion System for LEO CubeSats
Sponsoring Teacher: Andrew Fecteau
- 10:45 AM **Christopher Wadley, Lebanon High School**
*Customizable Video Gesture Recognition Interface for Smartphone using
MediaPipe Hands and Machine Learning Algorithms*
Sponsoring Teacher: Ryne Emerick
- 11:00 AM **Tina Wang, Marquette High School**
*Implementation of User Interaction for Topological Correction in 3D Root
Visualization*
Sponsoring Teacher: Cathy Farrar

Engineering And Physics

- 11:15 AM **Jacob Hogue, Montgomery R-II High School**
*Fiberglass, Cellulose and Isocyanate Polyol Resin on Reduction of Thermal
Energy Exchange & Home Energy Efficiency*
Sponsoring Teacher: Kristi Hogue
- 11:30 AM **Addison Farnham, Tuscumbia High School**
Whipping It Up: Investigating Lipid Foam Engineering
Sponsoring Teacher: Connie Wyrick
- 11:45 AM **Mackenzie Thompson, Wentzville Holt High School**
The Postoperative Knee Brace
Sponsoring Teacher: Jennifer Hess

AWARDS

KIRKPATRICK SENIOR EAGLE AWARD

Eva and Kamps Kirkpatrick have supported the Junior Division from its historical beginnings. Eva served in the past as State director for the Junior Division for two consecutive three-year terms (a record). In recognition of the Kirkpatrick family's tireless efforts to build the Junior Division from the ground up to what it is today, the two top Senior High papers are recognized each year with this trophy donated by the Kirkpatricks.

1980	Peggy Sue Nelson	Highland HS, Ewing	1981	Lei Ann Laster John Phillips	Cooter HS, Cooter Southland HS, Cardwell
1982	Yvette Barera	Cor Jesu Academy, St. Joseph	1983	Richard Roberts	Central HS, St. Joseph
1984	Karen Stoll Albert Fook Ming Chew	Poplar Bluff HS, Poplar Bluff Carl Junction HS, Carl Junction Carl Junction HS, Carl Junction	1985	Karen Stoll William Clifton	Poplar Bluff HS, Poplar Bluff Neosho HS, Neosho
1986	Anna Miller Anna Joern	Carl Junction HS, Carl Junction Ursuline Academy, St. Louis	1987	Charisse Hills Jeff Zweerink	Glendale HS, Springfield Central HS, St. Joseph
1988	Kim Shaw Jamal Green	Clearwater HS, Piedmont Benton HS, St. Joseph	1989	Andrew Gordon Jamal Green	Glendale HS, Springfield Benton HS, St. Joseph
1990	John Dyer Vijay Sreenarasimhaiah	Central HS, St. Joseph Nevada HS, Nevada	1991	Brenda Fite Joshua Summers	Central HS, St. Joseph Liberty HS, Liberty
1992	Amy Lawson Sheela Sathyanarayana	Central HS, Joplin Pembroke Hill, Kansas City	1993	Amy Lawson Jennifer Runsey	Central HS, Joplin Liberty HS, Liberty
1994	Amy Lawson Connie Cheung	Central HS, Joplin Pembroke Hill, Kansas City	1995	Chad Evans Keith Bowe	Central HS, St. Joseph Grundy County HS, Laredo
1996	Rhea Gertken Ian Wann	Ursuline Academy, St. Louis Central HS, St. Joseph	1997	Terry Baynes Deepa Mangalat	Pembroke Hill, Kansas City Joplin HS, Joplin
1998	Deepa Mangalat Mallik Tella	Joplin HS, Joplin Pembroke Hill, Kansas City	1999	Jonathan Newport Amity Pecenka	Glendale HS, Springfield Osage HS, Kaiser
2000	Brandon Lang Matthew Murphy	New Franklin HS, New Franklin Lafayette HS, St. Joseph	2001	Eric Rahm Robbie Hart	Jefferson City HS, Jefferson City Cole HS, Eldon
2002	Siir Kilkis Krishnan Pabniappan	Greenwood HS, Springfield Hickman HS, Columbia	2003	Daniel Castle Adam Vogel	St. Joseph Christian HS, St. Joseph St. Charles West HS, St. Charles
2004	Chelsea Grigory Derrick Helton	Sikeston HS, Sikeston Tuscumbia HS, Tuscumbia	2005	Chelsey Hall Kristen Wright	Seneca HS, Seneca Tuscumbia HS, Tuscumbia
2006	Elena Ovaitt Hazar Kidir	West Platte HS, Weston Jefferson City HS, Jefferson City	2007	Alyssa Ovaitt Meghna Srinath	West Platte HS, Weston Hickman HS, Columbia
2008	Michelle Kropf Michael Stockwell	Seneca HS, Seneca Tuscumbia HS, Tuscumbia	2009	Sirish Veligati Jay Gulshen	Central HS, St. Joseph Camdenton HS, Camdenton
2010	Jay Gulshen Sonia Rao	Camdenton HS, Camdenton Camdenton HS, Camdenton	2011	Bailee Slack Kori Haley	Camdenton HS, Camdenton Tuscumbia HS, Tuscumbia
2012	Cindy Jiang Thomas Palmer	Central HS, St. Joseph Camdenton HS, Camdenton	2013	Ashley Wyrick Tara Humphreys	Tuscumbia HS, Tuscumbia Tuscumbia HS, Tuscumbia
2014	Tyler Carpenter Elsa Kunz	Camdenton HS, Camdenton Central HS, St. Joseph	2015	NOT AWARDED	
2016	Anthony Eckdahl Brock Andreasen	Central HS, St. Joseph Camdenton HS, Camdenton	2017	Dustin Bax Vincent Khor	Tuscumbia HS, Tuscumbia Camdenton HS, Camdenton
2018	Miranda Sauer River Wise	Camdenton HS, Camdenton Camdenton HS, Camdenton	2019	Charles Stone Lucas Mosher	Wentzville HS, Wentzville Camdenton HS, Camdenton
2020	Competition cancelled due to COVID-19 pandemic		2021	Emma Price Elijah Jones	Camdenton HS, Camdenton Jackson HS, Jackson
2022	Srihari Nagarajan Layla Strickland	Thomas Jefferson HS, Joplin Camdenton HS, Camdenton			

KIRKPATRICK JUNIOR EAGLE AWARDS

In 1993, Eva and Kems Kirkpatrick, long-time supporters of Junior Division activities, chose to extend their Senior High “Eagle” trophy recognition already in place for the two top Senior High finalists to include as well the two top Junior High finalists. The following are recipients of these awards in past years (first awarded, 1993.)

1993	Beth Lawson Tara Thiermann	South MS, Joplin Versailles MS, Versailles	1994	Beth Lawson Jesse Blomberg	South MS, Joplin Versailles MS, Versailles
1995	Deborah Sieberg Jason Squires	Spring Garden MS, St. Joseph Bode MS, St. Joseph	1996	Karli Echterling Stanley W. Grinter	Bode MS, St. Joseph Liberty JH, Liberty
1997	Ami Patel Brandon Lang	Bode MS, St. Joseph New Franklin MS, New Franklin	1998	Jay Archer John Hornaday	St. Francis MS, St. Joseph Bode MS, St. Joseph
1999	Samir Sheth Megan Varma	Bode MS, St. Joseph Bode MS, St. Joseph	2000	Cody Conner Sarah Moreau	Robidoux MS, St. Joseph New Franklin MS, New Franklin
2001	Lindsey Williams John Dunham	Spring Garden MS, St. Joseph Bode MS, St. Joseph	2002	Mindy Briscoe Michael Stockwell	Moberly MS, Moberly Russellville MS, Russellville
2003	Nathan Kinast Elena Ovaitt	Thomas Jefferson IDS, Joplin West Platte MS, Weston	2004	Michael Stockwell Chaz Robbins	Tuscumbia MS, Tuscumbia Mid-Buchanan MS, Faucet
2005	Josh Habermehl Tyler Dietzschold	Moberly MS, Moberly Chillicothe MS, Chillicothe	2006	Zach Beattie Andrew Kozminski	Savannah MS, Savannah Savannah MS, Savannah
2007	Victoria Fritchey Taylor Gaines	Tuscumbia MS, Tuscumbia Seneca MS, Seneca	2008	Taylor Gaines Tara Humphreys	Seneca MS, Seneca Tuscumbia MS, Tuscumbia
2009	Jacob Cogan Cindy Jiang	West Platte JH, Weston Bode MS, St. Joseph	2010	Ashley Wyrick Matthew Estes	Tuscumbia MS, Tuscumbia Seneca MS, Seneca
2011	Rachel Butterfield Lauren Haley	Seneca MS, Seneca Chillicothe MS, Chillicothe	2012	Lydia Reitzel Andrew Benckendorf	Delta R-V MS, Delta McKinley CLA, St. Louis
2013	NOT AWARDED		2014	Collin Gentry Madison Wade	Bode MS, St. Joseph Seneca MS, Seneca
2015	NOT AWARDED		2016	Shelby Miller Isabella Wiebelt-Smith	Chillicothe MS, Chillicothe Bode MS, St. Joseph
2017	Isabella Wiebelt-Smith Daniel Read	Bode MS, St. Joseph St. Patrick Catholic, Rolla	2018	Nicky Dawes Leah Laurenco	St. Patrick Catholic, Rolla Chillicothe MS, Chillicothe
2019	Jacob Hogue Andrew Haas	Montgomery City MS, Montgomery City Camdenton MS, Camdenton	2020	Competition cancelled due to COVID-19 pandemic	
2021	Libby Buchheit Sennam Dumor	Jackson MS, Jackson St. Patrick MS, Rolla	2022	Larry Quade Nicole Westhusing	Camdenton MS, Camdenton Camdenton MS, Camdenton

AMY AND BETH LAWSON MICROBIOLOGY AWARD

This award recognizes the best bacteriology project by a student. Amy and Beth Lawson, daughters of the District Director, Mike Lawson, participated and excelled in the Junior Academy program throughout their middle school and high school years. Amy and Beth have built upon their successes in the Junior Academy as they enter their careers. This award serves to encourage our next generation of doctors and researchers. The following Junior High students received this award in past years (first awarded, 2004)

2004	Haley Daus	Thomas Jefferson IDS, Joplin	2005	Nicloe Molumby	Mid-Buchanan HS, Faucett
2007	Haleigh White	Mid-Buchanan HS, Faucett	2006	Shaylyn Cooksey	Moberly MS, Moberly
2008	Emily Wilson	Parkway Central MS, St. Louis	2009	Taylor Gaines	Seneca MS, Seneca
2010	Matthew Estes	Seneca MS, Seneca	2011	Ashley Wyrick	Tuscumbia MS, Tuscumbia
2012	NOT GIVEN		2013	Emma Leamer	Chillicothe MS, Chillicothe
2014	NOT GIVEN		2016	Isabella Wiebelt-Smith Bode MS, St. Joseph	
2017	Isabella Wiebelt-Smith Bode MS, St. Joseph		2018	Connor Stockam	South Middle MS, Joplin
2019	Andrew Haas	Camdenton MS, Camdenton	2020	Competition cancelled due to COVID-19 pandemic	
2021	Hailey Henderson	Jackson MS, Jackson	2022	Nicole Westhusing Nathan Hoenig	Camdenton MS, Camdenton Wentzville-Holt HS, Wentzville

PAULA MACY MEMORIAL AWARD

This award recognizes the best project that has been done without using the resources of a university or university-based sponsor. It is to honor a woman, Paula, whose courage and determination as well as dedication to the sciences should inspire us all.

2014	Mary Meyers	Mid-Buchanan HS, Faucett	2016	NOT AWARDED	
2017	Ben Meyer	Wentzville Holt HS, Wentzville	2018	Charles Stone	Wentzville HS, Wentzville
2019	Leah Gihring	Home-schooled	2020	Competition cancelled due to COVID-19 pandemic	
2021	Isabella Sotlar	Joplin HS, Joplin	2022	Jacob Arnold	Eldon HS, Eldon

GOOD LIFE GRASS FARMS

This award recognizes a project that focuses on sustainable or regenerative farm practices. This cash award is awarded to one middle or high school student (first awarded 2022)

2022	Zoe Martonfi	Eldon HS, Eldon
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MIDDLE SCHOOL PRESENTATION AWARDS

These awards recognized the middle school students who are considered to have the best oral presentation in their specific category. Winning students receive a certificate and a cash prize.

2018 Sponsored by MO-SCI Corporation

Life Sciences I	Lewis Page	Smithton MS, Columbia
Life Sciences II	Leah Laurenco	Chillicothe MS, Chillicothe
Physical Sciences	Nicky Dawes	St. Patrick MS, Rolla
Engineering	Robbie Criddle	Immaculate Conception MS, Jackson

2019 Sponsored by MO-SCI Corporation

Life Science I	Eve Jones	Immaculate Conception MS, Jackson
Chemistry	Jacob Hogue	Montgomery City MS, Montgomery City
Physics and Engineering	Hailey Burnett	Immaculate Conception MS, Jackson
Environmental Science	Nicky Dawes	St. Patrick MS, Rolla
Agriculture and Plant Science	Troy Zeilstra	Brunswick MS, Brunswick
Behavioral and Social Science	Eyram Dumor	St. Patrick MS, Rolla

2020 Competition cancelled due to COVID-19 pandemic

2021 Sponsored by Columbia College

Agriculture and Plant Science	Zackary Cline	Tuscumbia MS, Tuscumbia
Microbiology/Cell and Molecular	Hailey Henderson	Jackson MS, Jackson
Biology/Environmental Science	Libby Buchheit	Jackson MS, Jackson
Engineering/Physics	Grace Law	Camdenton MS, Camdenton
Chemistry and Biochemistry	Aidyn O' Daniel	Jackson MS, Jackson
Medicine and Human Health	Seenam Dumor	St. Patrick MS, Rolla
Behavioral and Social Science	Brooklyn Pendleton	Tuscumbia MS, Tuscumbia

2022 Sponsored by Central Methodist University

Agriculture and Plant Science	Madison Cole	Tuscumbia, MO
Engineering and Physics	Larry Quade	Camdenton MS, Camdenton
Microbiology and Cell/Molecular Biology	Nicole Westhusing	Camdenton MS, Camdenton
Behavioral and Social Science	Sebastian Fischer	St. Patrick School, Rolla
Medicine and Human Health	Cora Hatfield	Laura Speed Elliot MS, Booneville
Biology and Environmental Science	Alton Tellman	Tuscumbia MS, Tuscumbia

HIGH SCHOOL PRESENTATION AWARDS

These awards recognized the high school students who are considered to have the best oral presentation in their specific category. Winning students receive a certificate and a cash prize. (first awarded, 2018).

2018 Sponsored by the MO-SCI Corporation

Life Sciences I	Andrew Vehige	Timberland HS, Wentzville
Life Sciences II	Charles Stone	Wentzville HS, Wentzville
Life Sciences III	Miranda Sauer	Camdenton HS, Camdenton
Environmental Science	Hannah Rogers	Camdenton HS, Camdenton
Physical Sciences/Engineering	River Wise	Camdenton HS, Camdenton

2019 Sponsored by the MO-SCI Corporation

Agriculture and Plant Sciences	Ryan Dodds	Eldon HS, Eldon
Behavioral Science	Grace Nielson	Joplin HS, Joplin
Chemistry and Computer Science	Lucas Mosher	Camdenton HS, Camdenton
Environmental Science	Preston Barron	Moberly HS, Moberly
Medicine and Human Health	Charles Stone	Wentzville HS, Wentzville
Microbiology	Jillian Bernabe	Camdenton HS, Camdenton
Life Science	Destinie Turis	Eldon HS, Eldon
Engineering and Physics	Drake Snyder	Camdenton HS, Camdenton

2020 Competition cancelled due to COVID-19 pandemic

2021 Sponsored by Columbia College

Engineering and Physics I	Ethan Dunsworth	Wentzville HS, Wentzville
Engineering and Physics II	Emily Willis	Camdenton HS, Camdenton
Biology and Environmental Science	Emma Price	Camdenton HS, Camdenton
Agriculture and Plant Science	Maya Irvine	Camdenton HS, Camdenton
Microbiology and Cell/Molecular Biology	Nicholas Faiferlick	Camdenton HS, Camdenton
Behavioral and Social Science	Oviya Srihari	Ladue Horton Watkins HS, St. Louis
Chemistry and Biochemistry	Elijah Jones	Jackson HS, Jackson
Medicine and Human Health	Jillian Bernabe	Camdenton HS, Camdenton

2022 Sponsored by Central Methodist University

Biology and Environmental Science	Srihari Nagarahan	Thomas Jefferson HS, Joplin
Agriculture and Plant Science	Layla Strickland	Camdenton HS, Camdenton
Microbiology and Cell/Molecular Biology	Andrew Bufalo	Wentzville Holt HS, Wentzville
Behavioral and Social Science	Zackary Cline	Tuscumbia HS, Tuscumbia
Medicine and Human Health	Georgi Jia	Rock Bridge HS, Columbia
Chemistry and Biochemistry	Ayden Meckley	Camdenton HS, Camdenton
Engineering and Physics	Clare Tyson	Wentzville Holt HS, Wentzville

STUDENT ACHIEVEMENT AWARD (ORAL PRESENTATION)

This award of a plaque recognizes the best oral presentation by a high school student. The winning student also receives funding to help cover the cost of registration for the National Association of the Academies of Science meeting, as well as to provide funding to travel to this meeting.

2018	Hannah Rodgers	Camdenton HS, Camdenton	Sponsored by MO-SCI Corporation
2019	Charles Stone	Wentzville HS, Wentzville	Sponsored by MO-SCI Corporation
2020	Competition cancelled due to COVID-19 pandemic		
2021	Emma Price	Camdenton HS, Camdenton	Sponsored by Columbia College
2022	Srihari Nagarajan	Thomas Jefferson HS, Joplin	Sponsored by Central Methodist University

OUTSTANDING MIDDLE AND HIGH SCHOOL TEACHER AWARD

This award of a plaque and \$50 cash recognizes outstanding teachers who have made significant contribution to students' participation at the Missouri Junior Academy of Science. Teachers are also awarded research funding to be used for future student research projects.

2016	Mrs. Gail Drallmeier	St. Patrick Catholic School, Rolla	Sponsored by MO-SCI Corporation
	Mr. Chris Reeves	Camdenton High School, Camdenton	Sponsored by MO-SCI Corporation
2017	Mrs. Paula Burkhart	Moberly Middle School, Moberly	Sponsored by MO-SCI Corporation
	Ms. Teresa Freeman	Mid-Buchanan High School, Faucett	Sponsored by MO-SCI Corporation
2018	Mr. Tim Mulford	Camdenton Middle School, Camdenton	Sponsored by MO-SCI Corporation
	Mrs. Karisa Boyer	Joplin High School, Joplin	Sponsored by MO-SCI Corporation
2019	Ms. Abbie Durr	South Middle School, Joplin	Sponsored by MO-SCI Corporation
	Ms. Peggy Veatch	Eldon High School, Eldon	Sponsored by MO-SCI Corporation
2020	Competition cancelled due to COVID-19 pandemic 2021		
2021	Ms. Amy Larrington	Camdenton Middle School, Camdenton	Sponsored by Columbia College
	Ms. Jennifer Hess	Wentzville High School, Wentzville	Sponsored by Columbia College
2022	Ms. Didi Fischer	St. Patrick Catholic School, Rolla	Sponsored by Central Methodist University
	Ms. Leane Thele	Jackson Senior High School, Jackson	Sponsored by Central Methodist University

RETIRED AWARDS

THE PAUL SCHAMBURG MEMORIAL AWARD

This award recognizes the best testing apparatus built by a middle level student. Paul Schamburg did not have the benefit of a college education, but worked effectively as a carpenter and skilled technician until he died while still in his 50's. Mr. Schamburg saw that all three of his children were able to obtain an education beyond high school, and he delighted in working with the children in his hometown of Perryville, Missouri. This award will be given to the best testing apparatus, honoring Mr. Schamburg's skills in carpentry and technology. The following Junior High students received this award in past years (first awarded, 1990, retired 2019)

1990	Jared Welch	NE Nodaway R-V, Ravenwood	1991	Jaime Fuldner	Monett Middle School, Monett
1992	Adam Gerber	Versailles MS, Versailles	1993	NOT GIVEN	
1994	Josh Wiederholt	Nodaway R-V, Ravenwood	1995	Jacob Wyrick	Miller County R-IV, Tuscumbia
1996	Derick Berry	Grundy Co. R-V, Galt	1997	Karli Echterling	Bode MS, St. Joseph
1998	Dustin Bauer	Bode MS, St. Joseph	1999	Tyler Rummens	Mansfield MS, Mansfield
2000	Kristen Ream	Pattonsville MS, Maryland Heights	2001	John Dunham	Bode MS, St. Joseph
2002	Nicholas Reinsvold	Thomas Jefferson IDS, Joplin	2003	Kirsten Chodrick	Carl Junction MS, Carl Junction
2004	Chaz Robbins	Mid-Buchanan MS, Faucet	2005	NOT AWARDED	
2006	Ashley Piland	Mansfield MS, Mansfield	2007	Ethan Davis	Mansfield MS, Mansfield
2008	Trevor Job	St. Joseph MS, Scott City	2009	Jacob Cogan	West Platte JH, Weston
2010	Jacob McCullough	Chillicothe MS, Chillicothe	2011	Van Hopkins	Bode MS, St. Joseph
2012	Dawson Jarrett	Tuscumbia MS, Tuscumbia	2013	Jonathan Cronk	Bode MS, St. Joseph
2014	William Gentry	Bode MS, St. Joseph	2016	Taylor Wise	Camdenton MS, Camdenton
2017	Ben Higgins	Immaculate Conception, Jackson	2018	Leah Laurenco	Chillicothe MS, Chillicothe
2019	Connor Starkey	Camdenton MS, Camdenton			

THE DR. JOHN PAUL MORRIS AWARD

A plaque and a \$25 check are presented each year to a young woman interested in physical science in memory of Dr. John Paul Morris. Dr. Morris was an early member and strong supporter of the MAS Junior Division and was interested in the encouragement of young women in the sciences. The following young women have received this award (first awarded in 1976, retired 2019)

1976	Marlene Drag	Bishop LeBlond HS, St. Joseph	1977	Glenda Farrar Nancy Sevage	Bishop LeBlond HS, St. Joseph Central HS, St. Joseph
1978	Michelle Bellow	Truman HS, Independence	1979	Susan Weimer	Neosho HS, Neosho
1980	Tracy David	Maryville HS, Maryville	1981	Tammy Sue Rolofson	Lafayette HS, St. Joseph
	Lova Whited	Maryville HS, Maryville			
1982	Stacey Fennewald	Bishop LeBlond HS, St. Joseph	1983	Susan Ullensvang	John Burroughs HS, St. Joseph
1984	Tina Chancy	Benton HS, St. Joseph	1985	Marilyn Thompson	Central HS, St. Joseph
1986	Katherine Geoffeney	Central HS, St. Joseph	1987	Christine Boutwell	Central HS, St. Joseph
	Kathleen Fetters	Central HS, St. Joseph			
1988	Michelle Fay	Parkhill HS, Kansas City	1989	Susan Neeley	South Nodaway HS, Barnard
1990	Elizabeth Roth	Liberty HS, Liberty	1991	Brenda Fite	Central HS, St. Joseph
1992	Erika Anderson	Glendale HS, Springfield	1993	Valerie Bartlett	Central HS, St. Joseph
1994	Christy Collins	McCluer HS, Florissant	1995	Rachel Popelka	Ladue Horton HS, St. Louis
1996	Shana Holloway	Charles Sumner HS, St. Louis	1997	Lucie B. Johannua	Jefferson City HS, Jefferson City
1998	Deepa Mangalat	Joplin HS, Joplin	1999	NOT AWARDED	
2000	Mary Cowherd	Chillicothe HS, Chillicothe	2001	Katie Leiter	Carthage Technical Center, Carthage
2002	Siir Kilkis	Greenwood HS, Springfield	2003	Katharine Chitwood	School of the Osage, Kaiser
2004	Chelsea Grigery	Sikeston HS, Sikeston	2005	Chelsea Grigery	Sikeston HS, Sikeston
2006	Swathi Bhaskaran	Hickman HS, Columbia	2007	Haley Daus	Thomas Jefferson IDS, Joplin
2008	Haley Daus	Thomas Jefferson IDS, Joplin	2009	Cameron Nunn	Seneca HS, Seneca
2010	NOT AWARDED		2011	NOT AWARDED	
2012	Koren Haley	Tuscumbia HS, Tuscumbia	2013	Rachel Harmon	Camdenton HS, Camdenton
2014	Shelby Huey	Camdenton HS, Camdenton	2016	NOT AWARDED	
2017	Emily Mouser	Dexter HS, Dexter	2018	Hannah Rodgers	Camdenton HS, Camdenton

THE JAN BULGER MEMORIAL AWARD

This award of a plaque and \$25 cash recognizes the best expository writing in a paper by a middle level student. Jan Bulger was taken in her prime by cancer. In the few years that she was allowed to teach she gave so much to her reading and English students. Jan stands tall among teachers, and a paper reflecting her expository writing will receive this award. The following Junior High students received this award in past years (first awarded, 1990, retired 2019)

1990	Kate Daly	Moberly Jr. High, Moberly	1991	Julie Koutz	Moberly Jr. High, Moberly
1992	Amy Vandeven	Leopold R-III, Leopold	1993	Beth Lawson	South MS, Joplin
1994	Nigel Cooney	Sarcoxie JHS, Sarcoxie	1995	Emily Wann	Bode MS, St. Joseph
1996	Tosha Robert	Pleasant View R-6, Trenton	1997	John Persaud	Bode MS, St. Joseph
1998	Anna Berkowitz	Bode MS, St. Joseph	1999	Pamela Smith	Academy MS, High Ridge
2000	Whitney Lang	New Franklin MS, New Franklin	2001	Heather Mitchell	Robidoux MS, St. Joseph
2002	Derek Thompson	Potosi MS, Potosi	2003	Paul Huang	Central, Springfield
2004	Colin Turk	Moberly MS, Moberly	2005	Alyssa Ovaitt	West Platte MS, Weston
2006	Andrew Kosminski	Savannah MS, Savannah	2007	Victoria Fritchey	Tuscumbia MS, Tuscumbia
2008	Taylor Gaines	Seneca MS, Seneca	2009	Emily Hoover	Seneca MS, Seneca
2010	Elsa Kunz	Bode MS, St. Joseph	2011	Matthew Stockwell	Tuscumbia MS, Tuscumbia
2012	Haley Grier	Bode MS, St. Joseph	2013	Alex Eftink	St. Ambrose School, Chaffe
2016	Jayden Olson	South MS, Joplin	2017	Emma Higgins	Immaculate.Conception, Jackson
2018	Solana Rivera	Truman MS, St. Joseph	2019	NOT AWARDED	

THE ALLHOFF MEMORIAL AWARD

This award recognizes the best earth science paper by a middle level student. Francis and Margaret Allhoff, born at the turn of the last century, did not understand the importance of girls learning science, nor even leaving the house to work in the scientific world. Yet, they allowed all their daughters and their one son to train and work in this field. Their forward acceptance of the pace of our world has not only allowed their children to be scientists, but their grandchildren now include a female doctor, a female geologist, and other scientists. The best earth science paper by a middle level student will receive this award. (If there is no earth science paper, this award may be given to a related paper.) The following Junior High students received this award in past years (first awarded, 1990, retired 2019)

1990	Janell Meyer	Joplin Jr. High, Joplin	1991	Justin Oaks	Grundy Co. R-V, Galt
1992	Justin Oaks	Grundy Co. R-V, Galt	1993	Summer Talley	Joplin Jr. High, Joplin
1994	Deborah Siebern	Spring Garden MS, St. Joseph	1995	Aaeon Gregory	Holmes School, Kansas City
1996	Karli Echterling	Bode MS, St. Joseph	1997	Johnathan Minor	Grundy Co. R-V, Galt
1998	Shil Patel	Bode MS, St. Joseph	1999	Samir Sheth	Bode MS, St. Joseph
2000	Karelee Mantei	St. Agnus MS, Springfield	2001	John Dunham	Bode MS, St. Joseph
2002	Colt Snapp	Spring Garden MS, St. Joseph	2003	Mary Mantei	St. Agnes MS, Springfield
2004	Alyssa Ovaitt	West Platte MS, Weston	2005	Alyssa Ovaitt	West Platte MS, Weston
2006	Bryce Shields	Truman MS, St. Joseph	2007	Jacob Wilson	West Platte JH, Weston
2008	Taylor Gregory	Mid-Buchanan MS, Faucett	2009	Nathan Coulson	West Platte JH, Weston
2010	Eman Ascensio	West Platte JH, Weston	2011	Melinda Groves	High Point R-3, High Point
2012	Trey Bayte	Chillicothe MS, Chillicothe	2013	Dustin Bax	Tuscumbia MS, Tuscumbia
2014	NOT AWARDED		2016	Charlie Carlton	Delta MS, Delta
2017	Nicky Dawes	St. Patrick Catholic, Rolla	2018	Nicky Dawes	St. Patrick Catholic, Rolla
2019	Nicky Dawes	St. Patrick Catholic, Roll			

STUDENT ACHIEVEMENT AWARD (POSTER PRESENTATION)

This award of a plaque and \$50 cash recognizes the overall best poster presented by a high school student. (first awarded, 2016, retired 2019).

2016	Jamde Samanta	Joplin Jr. High, Joplin	Sponsored by MO-SCI Corporation
2017	Dustin Bax	Tuscumbia HS, Tuscumbia	Sponsored by MO-SCI Corporation
2018	Miranda Sauer	Camdenton HS, Camdenton	Sponsored by MO-SCI Corporation
2019	Isabella Wiebelt-Smith	Central HS, St. Joseph	Sponsored by MO-SCI Corporation
2020	Competition cancelled due to COVID-19 pandemic		

SENIOR HIGH POSTER COMPETITION AWARDS

Fifty dollars cash and a certificate are awarded to the best posters selected by a special judging team. The following students have received these awards in past years (first awarded, 1988, retired in 2019)

1988	Theodore Kardis Michelle Wiggins Jamal Green Lisa Moser	Horton Watkins HS Ladue Parway West HS, Baldwin Benton HS, St. Joseph Benton HS, St. Joseph	1989	Lori Cobb Anita Rao Jason Sutin Zoomer Truong	Carl Junction HS, Carl Junction Horton Watkins HS, Ladue Horton Watkins HS, Ladue Ursuline Academy, St. Louis
1990	Angela Nickelson Lisa Pearman Stephanie White Rebecca Wiggins	Potosi HS, Potosi Salisbury R-IV, Salisbury Carl Junction HS, Carl Junction Parkway West HS, Baldwin	1991	Jennifer Henry Amy Lawson Ray Myers Michael Wiggins	South Pemiscot HS, St. Louis Joplin JH, Joplin Eldon HS, Eldon Parkway West HS, Baldwin
1992	Monica Crane Amy Lawson Jenne Simmons Elizabeth Wiggins	Horton Watkins HS, Ladue Joplin HS, Joplin Monroe City HS, Monroe City Parkway West HS, Baldwin	1993	Amy Lawson Janelle Meyer Kamafi Byrd Jason Talley Renee Pope	Joplin HS, Joplin Joplin HS, Joplin Beaumont HS, St. Louis Joplin HS, Joplin Eldon HS, Eldon
1994	Reagan Oswald Laura Clinkingbeard Janelle Meyer Amy Lawson Jesse Kharbanda	Eldon HS, Eldon Francis Howell HS, St. Charles Joplin HS, Joplin Joplin HS, Joplin Parkway West HS, Baldwin	1995	Terry Baynes James Blomberg Thomas Newman Ian Wann	Pembroke Hill, Kansas City Versailles HS, Versailles Joplin HS, Joplin Central HS, St. Joseph
1996	Holly Hawkins Dorothea Lasky Melinda Lawrence Beth Lawson	Jefferson City HS, Jefferson City Ladue HS, St. Louis Joplin JH, Joplin Joplin HS, Joplin	1997	Deepa Mangalat Amy Matthew Brook Weber Beth Lawson	Joplin HS, Joplin Pembroke Hill, Kansas City Central HS, St. Joseph Joplin HS, Joplin
1998	Deepa Mangalat Millik Tella Amity Pecenka Julie Robinett	Joplin HS, Joplin Pembroke Hill, Kansas City Osage HS, Kaiser Osage HS, Kaiser	1999	Chris Byrd Brandon Lang Todd Miller Amity Pecenka	Osage HS, Kaiser New Franklin HS, New Franklin Lafayette HS, St. Joseph Osage HS, Kaiser
2000	John Fisher Ross Ruele Jennifer West Robbie Hart	Osage HS, Kaiser Central HS, St. Joseph Osage HS, Kaiser Cole R-V, Eugene	2001	NO AWARDS GIVEN	
2002	Siir Kilkis Mary Earnhart Tyler Lipp Chelsea Grigery	Greenwood HS, Springfield Lafayette HS, St. Joseph Osage HS, Kaiser Sikeston JH, Sikeston	2003	Michelle Whitesides Lainee Sybert Susan Brock	Hickman HS, Columbia School of the Osage, Kaiser Benton HS, St. Joseph
2004	Paul Whiteside Chelsea Grigery Kyle Tolbert Derrick Helton	Thomas Jefferson IDS, Joplin Sikeston HS, Sikeston School of the Osage, Kaiser Tuscumbia HS, Tuscumbia	2005	Chelsea Grigery Drew Sanning Anand Palaniappan Kristen Wright	Sikeston HS, Sikeston Tuscumbia HS, Tuscumbia Hickman HS, Columbia Tuscumbia HS, Tuscumbia

SENIOR HIGH POSTER COMPETITION AWARDS (CONT.)

2006	Michael Stockwell Valerie Beu Katie Patterson Casey Freeman	Tuscumbia HS, Tuscumbia Tuscumbia HS, Tuscumbia Tuscumbia HS, Tuscumbia Mid-Buchanan HS, Faucett	2007	Kacie Wright Jordan Stevens Haleigh Wright Alyssa Ovaitt	Tuscumbia HS, Tuscumbia West Platte HS, Weston Mid-Buchanan HS, Faucett West Platte HS, Weston
2008	Brittany King Clayton Coulson Michelle Kropf Jordanne Wright	Tuscumbia HS, Tuscumbia West Platte HS, Weston Seneca HS, Seneca Seneca HS, Seneca	2009	Kayla Foulk Ethan Musick Sonia Rao	Camdenton HS, Camdenton Tuscumbia HS, Tuscumbia Camdenton HS, Camdenton
2010	Dylan Lyle Heather Lovell Jay Gulshen Jordanne Wright Jacob Byrne	Tuscumbia HS, Tuscumbia Tuscumbia HS, Tuscumbia Camdenton HS, Camdenton Seneca HS, Seneca Camdenton HS, Camdenton	2011	Bailee Slack Alexis Ash	Camdenton HS, Camdenton Tuscumbia HS, Tuscumbia
2012	Kelly Barnes Mingu Kim Koren Haley Thomas Palmer	St. Clair HS, St. Clair Hickman HS, Columbia Tuscumbia HS, Tuscumbia Camdenton HS, Camdenton	2013	Alexis Ash Rachel Harmon Bryant Heckart Cindy Jiang	Tuscumbia HS, Tuscumbia Camdenton HS, Camdenton Seneca HS, Seneca Central HS, St Joseph
2014	Bryant J. Heckart Shelby Huey Vincent Marco Monica Singh	Seneca HS, Seneca Camdenton HS, Camdenton Hartville HS, Hartville Central HS, St Joseph	2016	Kallie Davis Jade Samanta Jameson Gentry	Camdenton HS, Camdenton Saxony Lutheran HS, Jackson Mid-Buchanan HS, Faucett
2017	Dustin Bax Olivia Kline Vincent Khor Abigail Grimwood	Tuscumbia HS, Tuscumbia Camdenton HS, Camdenton Camdenton HS, Camdenton Tuscumbia HS, Tuscumbia	2018	Preston McDowell Je'anne Wegner Paige Ellefsen River Wise	Tuscumbia HS, Tuscumbia Camdenton HS, Camdenton Camdenton HS, Camdenton Camdenton HS, Camdenton
2019	Je'Anne Wagner Destinie Tunis Caleb Martonfi Lucas Mosher	Camdenton HS, Camdenton Eldon HS, Eldon Eldon HS, Eldon Camdenton HS, Camdenton			