

## 2018 SCIENCE AND ENGINEERING RESEARCH CHALLENGE WINNERS

### BEST OF CHALLENGE: trophy and monetary award

\$600 Challenge Champion Abril Hunter Governor French Academy

### Junior Division

\$400 1<sup>st</sup> Place Rebecca Thomas Liberty Middle School  
\$200 2<sup>nd</sup> Place Caleb Chu Maryville Christian School  
\$100 3<sup>rd</sup> Place Margaret Paty Liberty Middle School

### Senior Division

\$400 1<sup>st</sup> Place Kolton Ackerman Edwardsville High School  
\$200 2<sup>nd</sup> Place Sam Berkley Governor French Academy  
\$100 3<sup>rd</sup> Place Gabe Lewis Waterloo High School

### BEST OF CATEGORY JUNIOR DIVISION: Trophy and \$100

Applied Math & Physics Selin Aktuna Liberty Middle School  
Biological Sciences Leah Rowland St Ambrose School  
Chemistry Marlaina Graney Good Shepherd Lutheran School  
Earth Science Addison Hohlt Woodland Elementary  
Engineering Sciences Olivia Kratschmer St Ambrose School  
Human Sciences Luke Hatlee & Levi Hatlee Gillespie Middle School

### BEST OF CATEGORY SENIOR DIVISION: Trophy and \$100

Applied Math & Physics Reagan Guerra Metro East Lutheran High School  
Biological Sciences Olivia Redman Governor French Academy  
Chemistry Courtney Smith Governor French Academy  
Earth Science Abril Hunter Governor French Academy  
Engineering Sciences Trent Baima & Erika Hicks Collinsville High School  
Human Sciences Aiden Truckenbrod Governor French Academy

### PAPER COMPETITION

\$100 1<sup>st</sup> Place Rebecca Thomas Liberty Middle School  
\$50 2<sup>nd</sup> Place Abril Hunter Governor French Academy

### REPRESENTATIVE TO THE INTERNATIONAL SCIENCE AND ENGINEERING FAIR (May 14-19, 2016 in Los Angeles, CA)

Abril Hunter Governor French Academy

### REPRESENTATIVES TO THE IJAS STATE SCIENCE FAIR (April 28, 2018 at the Peoria Civic Center in Peoria, IL)

Kolten Ackerman Edwardsville High School  
Selin Aktuna Liberty Middle School  
Sam Berkley Governor French Academy  
Caleb Chu Maryville Christian School  
Lillie Cuddeback Good Shepherd Lutheran School  
Charlie Dake Waterloo High School  
Ella Feldmann Liberty Middle School  
Marlaina Graney Good Shepherd Lutheran School  
\*Reagan Guerra Metro East Lutheran High School  
Joseph Hanger Red Bud Elementary  
Luke Hatlee & Levi Hatlee Gillespie Middle School  
\*Abril Hunter Governor French Academy  
Olivia Kratschmer St Ambrose School  
Gabe Lewis Waterloo Junior High School  
Leah Rowland St Ambrose School  
David Sherrod Governor French Academy  
Courtney Smith Governor French Academy  
Keturah Steele & Rhiannon Smith Maryville Christian School  
John Stewart Governor French Academy  
Alex Sundar Liberty Middle School  
\*Rebecca Thomas Liberty Middle School  
Aiden Truckenbrod Governor French Academy

\*Indicates participation in both the project and paper competition

**American Chemical Society**, St. Louis Section, for outstanding projects in the area of chemistry:

Grades 5-8

1<sup>st</sup> Place: Certificate, book, and one year membership to the St. Louis Science Center

Connor Mathus St Ambrose School

2<sup>nd</sup> Place: Certificate and book

Daniel Bradley Governor French Academy

3<sup>rd</sup> Place: Certificate and book

Rebecca Thomas Liberty Middle School

Margaret Paty Liberty Middle School

**American Meteorological Society** - Certificate of achievement to the most outstanding projects in atmospheric, oceanic, and hydrologic sciences

Addison Hohlt Woodland Elementary

Alex Sundar Liberty Middle School

**American Psychological Association** - Certificate of recognition to the most outstanding project in behavioral and social sciences

Sam Berkley Maryville Christian School

**Association for Women Geoscientists** - Certificate of excellence to honor a female student whose project exemplifies high standards of innovativeness and scientific excellence in the geosciences, or promotes the sensitivity to the earth as a global system.

Abril Hunter Governor French Academy

**Arizona State University Walton Sustainability Solutions Initiative** - Certificate to honor a student whose project focuses on funding solutions to complex problems that involve social justice, environmental and economic prosperity. The recipient will also be eligible for a trip to Arizona for the 2018 Sustainability Solutions festival

Abril Hunter Governor French Academy

**Broadcom Masters** - nomination to continue to the Society for Science and the Public competition

Selina Aktuna Liberty Middle School

Elijah Aumann St Louis School

Joe Brangenbert St Francis Holy Ghost School

Caleb Chu Maryville Christian School

Elizabeth Cox St Francis Holy Ghost School

Lillie Cuddeback Good Shepherd Lutheran School

Ella Feldmann Liberty Middle School

Jakob Fiudo Good Shepherd Lutheran School

Thomas Friess Red Bud Elementary

Marlaina Graney Good Shepherd Lutheran School

Brenton Goyea Governor French Academy

Joseph Hanger Red Bud Elementary

Luke Hatlee & Levi Hatlee Gillespie Middle School

Olivia Kratschmer St Ambrose School

Elliot Jaeger Good Shepherd Lutheran

Hannah Marshall & Kylie Murray St Mary's, Alton

Blake Miller Good Shepherd Lutheran School

Margaret Paty Liberty Middle School

Sage Reagan Governor French Academy

Leah Rowland St Ambrose School

Keturah Steele & Rhiannon Smith Maryville Christian School

Rebecca Thomas Liberty Middle School

Remmie Vail All Saints Academy

Owen Wilder Zion Lutheran School

**Intel Excellence in Computer Science** – Certificate and \$200 to the most outstanding high school project in computer science

Kolten Ackerman Edwardsville High School

**Mu Alpha Theta** - Certificate to recognize a challenging, original, thorough and creative investigation of a mathematics problem

John Stewart Governor French Academy

**NASA Earth System Science** - Certificate to recognize a project that offers the greatest insight into the Earth's interconnected systems

Caleb Chu Maryville Christian School

**National Oceanic and Atmospheric Administration** - Medal of excellence to honor a student whose principals and technical innovations offer the greatest potential for increasing our ability to grow environmentally friendly and socially responsible businesses

Gabe Lewis Waterloo High School

**RICOH Sustainable Development Award** - Certificate and medal to honor a student whose research emphasizes NOAA's mission to understand changes in the Earth

Abril Hunter Governor French Academy

**STEM Director's Award** - \$50 to recognize a student whose project exemplifies creativity and scientific thinking

Samantha Hangsleben Albert Cassens Elementary

**U.S. Metric Association** - Certificate of recognition for a project involving a significant amount of quantitative measurement utilizing the SI system

David Sherrod

Governor French Academy

**Yale Science and Engineering Association** - Certificate of recognition to the most outstanding 111<sup>th</sup> grade student exhibiting from computer science, engineering, physics or chemistry

David Sherrod

Governor French Academy

**Water Federation - Stockholm Junior Water Prize** - Certificate of excellence to recognize projects aimed at enhancing the quality of life through the improvement of water quality, water resource management, or water and wastewater treatment

Abril Hunter

Governor French Academy