

Greater East Alabama Regional Science and Engineering Fair - All Divisions - Special Awards

American Psychological Association - SR22 - American Psychological Association Award - Certificate

This award recognizes outstanding research in psychological science under the category of behavioral and social sciences.

Parker Thompson - Wetumpka High School - Senior Divisions (grades 9-12)

SR-0200-0013 - Leveraging Artificial Intelligence to Improve Health Literacy and Promote Health Equity

College of Sciences - JR02 - Department of Chemistry Award - Certificate, \$50

This award is designed to recognize the top chemistry/biochemistry project.

Jalen Brown - Lowndes County Middle School - Junior Division (grades 6-8)

JR-0400-0116 - What Fruit Juice has the Most Vitamin C ?

College of Sciences - JR03 - Engineering Excellence Award - Certificate, \$50

This award recognizes a project, in any category, that demonstrates an innovative application of math or science to a societal challenge. Preference will be given to projects in the 500 category.

Samantha Podloski - Houston Academy - Junior Division (grades 6-8)

JR-0500-0109 - Dissection For The Modern Age

College of Sciences - JR04 - Environmental Science and GIS Award - Certificate, \$50

This award recognizes high achievement in the area of geoscience, geology, and geography.

Minlu Wang-He - GEARSEF direct middle school - Junior Division (grades 6-8)

JR-0700-0027 - SoilXpert: An innovative tool for smart farming

College of Sciences - JR05 - Physics Award for Ingenuity and Inventiveness - Certificate, \$50

This award recognizes someone who demonstrates an understanding of the laws of physics and how to use them to interpret and understand the world around us.

Samantha Podloski - Houston Academy - Junior Division (grades 6-8)

JR-0500-0109 - Dissection For The Modern Age

College of Sciences - JR06 - Talent in Mathematics and Statistics Award - Certificate, \$50

This award recognizes a project, from any category, that demonstrates a strong mathematical and statistical analysis.

Minlu Wang-He - GEARSEF direct middle school - Junior Division (grades 6-8)

JR-0700-0027 - SoilXpert: An innovative tool for smart farming

College of Sciences - JR08 - Innovation of Robotic Systems Award - Certificate, \$50

This award will recognize a project from any category that demonstrates the greatest promise for innovation in the use of robotic systems.

Parker Leggett - Dothan Prep Academy - Junior Division (grades 6-8)

JR-1100-0066 - A Coding Vision

College of Sciences - JR10 - Future Scientist Award - Certificate, \$50

This award will be given to a student, in any category, who demonstrates a complete, thorough and current understanding of a scientific topic during their interview. As such, this student shows great promise as a future scientific researcher.

Levi Johnson - East Samford School - Junior Division (grades 6-8)
JR-0300-0132 - Which Temperature Allows the Bacteria to Grow the Best

College of Sciences - JR21 - Judge's Choice Award - Certificates

The award highlights projects that judges determine deserve to advance to state but may not have placed 1st, 2nd or 3rd in their category.

Ritesh Babu - Auburn Jr. High School - Junior Division (grades 6-8)
JR-0700-0004 - Oil-based recycling: A sustainable approach to Styrofoam disposal

Jalen Brown - Lowndes County Middle School - Junior Division (grades 6-8)
JR-0400-0116 - What Fruit Juice has the Most Vitamin C ?

Samantha Podloski - Houston Academy - Junior Division (grades 6-8)
JR-0500-0109 - Dissection For The Modern Age

College of Sciences - SR02 - Department of Chemistry Award - Certificate, \$100

This award is designed to recognize the top chemistry/biochemistry project.

Alexis Saffold - Dothan High School - Senior Divisions (grades 9-12)
SR-0400-0107 - Clean Skin Mission!

College of Sciences - SR03 - Engineering Award - Certificate, \$100

This award recognizes a project, in any category, that demonstrates an innovative application of math or science to a societal challenge. Preference will be given to projects in the 500 category.

Jessica Shu - Auburn High School - Senior Divisions (grades 9-12)
SR-0500-0012 - VisionMouse: Integrating Deep Learning with Eyeball Tracking to Assist People with Reduced Motor Skills in Interacting with Touch-Screen Devices in the Digital Age

College of Sciences - SR04 - Environmental Science and GIS Award - Certificate, \$100

This award recognizes high achievement in the area of geoscience, geology, and geography.

Christopher Thomas - Auburn High School - Senior Divisions (grades 9-12)
SR-0700-0131 - Pilot Study Shows That Plants Can Effectively Absorb CO2 In CO2 Dense Environments

College of Sciences - SR05 - Physics Award for Ingenuity and Inventiveness - Certificate \$100

This award recognizes someone who demonstrates and understanding of the laws of physics and how to use them to interpret and understand the world around us.

John Parsons - Auburn High School - Senior Divisions (grades 9-12)
SR-0900-0006 - Examining and Mathematically Modeling the Einstein-de Haas Effect Under Varied Conditions

College of Sciences - SR06 - Talent in Mathematics and Statistics Award - Certificate, \$100

This award recognizes a project, from any category, that demonstrates a strong mathematical and statistical analysis.

Jay Gupta - Auburn High School - Senior Divisions (grades 9-12)
SR-1200-0129 - Using AI to Understand Long-COVID Disease Comorbidities in Pediatric Population

College of Sciences - SR08 - Innovation of Robotic Systems Award - Certificate, \$100

This award will recognize a project from any category that demonstrates the greatest promise for innovation in the use of robotic systems.

Edwin Wu - GEARSEF direct high school - Senior Divisions (grades 9-12)

SR-1100-0020 - Intelligent IoT-Driven Medication Dispenser with Predictive Machine Learning Algorithms for Enhanced Senior Care

College of Sciences - SR10 - Future Scientist Award - Certificate, \$100

This award will be given to a student, in any category, who demonstrates a complete, thorough and current understanding of a scientific topic during their interview. As such, this student shows great promise as a future scientific researcher.

Jatin Banna, Yujin Bong - LAMP - Senior Divisions (grades 9-12)

SR-0800-0143-T - Investigating the Effects of Commercial Ganoderma lucidum Powder on Cancer Cell Proliferation

College of Sciences - SR21 - Judge's Choice Award - Certificate

The award highlights projects that judges determine deserve to advance to state but may not have placed 1st, 2nd or 3rd in their category.

Victoria Bullock, Michelle Burleson - Holtville High School - Senior Divisions (grades 9-12)

SR-0300-0057-T - The Secret Life of Soaps: The Effect of Soap Brand on Bacterial Growth

Trenton Windham - Holtville High School - Senior Divisions (grades 9-12)

SR-0400-0054 - The Effect Household Cleaning Supplies on the Glow of Luminol

Department of Biology and Environmental Science - JR01 - Creative Application of Biological Principles - Certificate, \$50

This achievement award recognizes students that exemplify excellence in the creative application of biological principles through research in biology related categories.

Brooke Baker, Blakely Sheppard - Dothan Prep Academy - Junior Division (grades 6-8)

JR-0300-0060-T - Pee Power: Using Urine in a Microbial Fuel Cell

Department of Biology and Environmental Science - SR01 - Creative Application of Biological Principles - Certificate, \$100

This award recognizes a senior division project in a biological field.

Kira LeFevre - Wetumpka High School - Senior Divisions (grades 9-12)

SR-0100-0019 - Will Adding Artificial Light to a Chicken Coop Help With Egg Production During Molting?

Department of Computer Science - JR09 - Engineering and Computer Science for Humanity Award - Certificate, \$100

This award will recognize a project that uses computer science and engineering technology to address challenges to enhance the quality of life for individuals or populations.

Parker Leggett - Dothan Prep Academy - Junior Division (grades 6-8)

JR-1100-0066 - A Coding Vision

Department of Computer Science - SR09 - Engineering and Computer Science for Humanity - Certificate, \$200

This award will recognize a project that uses computer science and engineering technology to address challenges to enhance the quality of life for individuals or populations.

Rhea Arya - LAMP - Senior Divisions (grades 9-12)

SR-1200-0135 - Computational Prediction of Nonabine as a Novel Cannabinoid Receptor Subtype 2 Selective Agonist

NASA - SR23 - NASA Earth System Science Award - Certificate

This award will be given to the student whose project focuses on issues of oceans, land, wildlife, human history & cultures, and human ingenuity or brings geographic concepts and skills to life in new, non-traditional ways.

Christopher Thomas - Auburn High School - Senior Divisions (grades 9-12)

SR-0700-0131 - Pilot Study Shows That Plants Can Effectively Absorb CO2 In CO2 Dense Environments

NOAA - J-S03 National Oceanic and Atmospheric Administration Award - Certificate

The NOAA award will go to one individual whose research emphasizes NOAA's mission of Science, Service, and Stewardship.

This award will be given to the student whose project offers the greatest insight into earth's interconnected systems.

Jackson Taylor - Elmore County High School - Senior Divisions (grades 9-12)

SR-0900-0037 - Up Up and Away

Office of Naval Research - JR25-Naval Science Award - medal and certificate

INDIVIDUAL projects only.

Minlu Wang-He - GEARSEF direct middle school - Junior Division (grades 6-8)

JR-0700-0027 - SoilXpert: An innovative tool for smart farming

Office of Naval Research - SR26-Naval Science Award - \$50 gift card, certificate, and medal

INDIVIDUAL projects only.

Saketh Pondugula - Auburn Jr. High School - Senior Divisions (grades 9-12)

SR-1100-0001 - Developing an Artificial Intelligence Model to Detect Malware

Christopher Thomas - Auburn High School - Senior Divisions (grades 9-12)

SR-0700-0131 - Pilot Study Shows That Plants Can Effectively Absorb CO2 In CO2 Dense Environments

Regeneron ISEF - SR31 - ISEF Best of Fair - Recipient(s) will receive a trophy and travel to Columbus, OH for the ISEF competition.

Rhea Arya - LAMP - Senior Divisions (grades 9-12)

SR-1200-0135 - Computational Prediction of Nonabine as a Novel Cannabinoid Receptor Subtype 2 Selective Agonist

Mira Menon - LAMP - Senior Divisions (grades 9-12)

SR-0300-0134 - Dynamic Modulation of Axonal Trafficking of Synaptic Vesicles in Activity-Dependent Presynaptic Function

John Parsons - Auburn High School - Senior Divisions (grades 9-12)

SR-0900-0006 - Examining and Mathematically Modeling the Einstein-de Haas Effect Under Varied Conditions

RICOH - SR24 - Ricoh Sustainable Development Award - Certificate

This award recognizes the project that best reflects the principles of sustainability --balancing economic development with environmental responsibility.

Katherine Bloch, Perrin Novak - Stanhope Elmore High School - Senior Divisions (grades 9-12)

SR-0700-0111-T - Removing Excess Phosphates from Water

Society for In Vitro Biology - SR29- Society for In Vitro Biology Award - certificate

Most outstanding 11th grade student exhibiting in the area of plant or animal in vitro biology or tissue culture.
Jatin Banna, Yujin Bong - LAMP - Senior Divisions (grades 9-12)
SR-0800-0143-T - Investigating the Effects of Commercial Ganoderma lucidum Powder on Cancer Cell Proliferation

Society for Science - SR30 - Regeneron Biomedical Science Award - Certificate, \$375

This award will provide an award and certificate to an exceptional student scientist who not only demonstrates an impressive command of biomedical science and research but also embodies Regeneron's core values and behaviors known as "The Regeneron Way" which are reflected in the award selection criteria.

Mira Menon - LAMP - Senior Divisions (grades 9-12)
SR-0300-0134 - Dynamic Modulation of Axonal Trafficking of Synaptic Vesicles in Activity-Dependent Presynaptic Function

The Lemelson Foundation - JR26 - Lemelson Early Inventor Prize - Certificate, \$100

This award will recognize a young inventor creating a promising solution to real-world problems.

Ritesh Babu - Auburn Jr. High School - Junior Division (grades 6-8)
JR-0700-0004 - Oil-based recycling: A sustainable approach to Styrofoam disposal

Thermo Fisher Scientific - JR22 - Junior Innovators Challenge (JIC) - Certificate

Thermo Fisher Scientific Junior Innovators Challenge is intended to encourage, reward, and celebrate the mastery of science, technology, engineering and math among a fair's 6th, 7th, and 8th grade participants.

Adnan Akasheh - Auburn Jr. High School - Junior Division (grades 6-8)
JR-0100-0085 - Impact of different water pollutants on the duckweed plant

Ady Green, Addison Harden - Carver MST - Junior Division (grades 6-8)
JR-0600-0073-T - Bounce For Your Buck

Annabelle Johnson - South Girard School - Junior Division (grades 6-8)
JR-0200-0025 - Tones of Colors

Junehyuk Lee - Auburn Jr. High School - Junior Division (grades 6-8)
JR-0400-0008 - Use of Leucomethylene Blue to Detect Bleach

Parker Leggett - Dothan Prep Academy - Junior Division (grades 6-8)
JR-1100-0066 - A Coding Vision

Ali Goff-Scott, Jessie Messer - Wetumpka Middle School - Junior Division (grades 6-8)
JR-0400-0064-T - How clean do your teeth get?

Hayley Phillips - Houston Academy - Junior Division (grades 6-8)
JR-0800-0104 - The Iron in Cereal

Samantha Podloski - Houston Academy - Junior Division (grades 6-8)
JR-0500-0109 - Dissection For The Modern Age

US Airforce - JR24 - Science, Technology, Engineering and Math (STEM) Achievement Award (U.S. Air Force) - Certificate

This certificate will be given to a student who shows excellence in science or engineering.

Brooke Baker, Blakely Sheppard - Dothan Prep Academy - Junior Division (grades 6-8)
JR-0300-0060-T - Pee Power: Using Urine in a Microbial Fuel Cell

US Airforce - SR25 - Science, Technology, Engineering and Math (STEM) Achievement Award (U.S. Air Force) - Certificate

This certificate will be given to a student who shows excellence in science or engineering.

John Belew - Wetumpka High School - Senior Divisions (grades 9-12)

SR-1100-0016 - Developing an Enhanced Feature-Rich Dataset for Portable Executable Malware Classification with Deep Learning and Static Analysis

Lina Park - Auburn Jr. High School - Senior Divisions (grades 9-12)

SR-0200-0080 - Development of Emotion Regulation Depending on Attachment Patterns Between a Parent and Child

Edwin Wu - GEARSEF direct high school - Senior Divisions (grades 9-12)

SR-1100-0020 - Intelligent IoT-Driven Medication Dispenser with Predictive Machine Learning Algorithms for Enhanced Senior Care

US Metric Association - J-S04 Best use of the International System of Units - Certificate

A research project that expresses measurements in the SI is an ideal candidate for this award. All reported measurements, including calculations, data, graphs, and conclusions should be expressed exclusively and accurately using the SI.

Anne Mustin - Carver MST - Junior Division (grades 6-8)

JR-0700-0070 - Cat Walk

Water Environment Federation - SR28 - Stockholm Junior Water Prize - Regional Water Prize Award - Certificate

Excellent water-science project conducted by 1 or 2 students, one student must be

Jaida Davis - Central High School, Lowndes County - Senior Divisions (grades 9-12)

SR-0400-0052 - Assessing Water Qualities

Yale Science and Engineering Association - SR27 - Yale Science and Engineering Association Award - Certificate

This award will be given to the most outstanding 11th grade project in the areas of computer science, engineering, physics, or chemistry. In extraordinary cases, it may be awarded to 10th or 12th grade.

John Belew - Wetumpka High School - Senior Divisions (grades 9-12)

SR-1100-0016 - Developing an Enhanced Feature-Rich Dataset for Portable Executable Malware Classification with Deep Learning and Static Analysis