2026 Alabama Science and Engineering Fair (ASEF)

Senior Division (grades 9-12)

2026 ASEF Senior Division Special Award Winners

The Office of Naval Research- Naval Science Award

Special Award Description : This award recognizes up to 3 individual projects that show excellence in science or engineering. Winners will receive a certificate, a medallion and an award verification letter redeemable for a $75 cash award.

Award Name: Naval Science Award
Award Sponsor: The Office of Naval Research
Student Name: Minlu Wang-He
Award Prize: $75 from ONR
Project Number: SR-100-0168
Project Name: Identifying Biological Control Agents for Bacterial Spot Disease|

Award Name: Naval Science Award
Award Sponsor: The Office of Naval Research
Student Name: Leland Barbour
Award Prize: $75 from ONR
Project Number: SR-900-0133
Project Name: Rocket Plume Exhaust Effects During Mars Ascent

Award Name: Naval Science Award
Award Sponsor: The Office of Naval Research
Student Name: Jackson Odom
Award Prize: $75 from ONR
Project Number: SR-600-0047
Project Name: The Effect of Fiber Orientation on HDPE Composites Reinforced by Vinyl Ester Rebar

Citadel- Citadel Securities Innovation Prize

Special Award Description : This award recognizes exemplified ingenuity and innovation through their project idea, goals, and/or design, thinking creatively about how to solve problems. The award winner will receive a certificate and a $100 cash award.

Award Name: Citadel Securities Innovation Prize
Award Sponsor: Citadel
Student Name: Danielle George
Award Prize: $100 from Society for Science
Project Number: SR-800-0069
Project Name: Exploring Tampon-Derived Vaginal Fluids for Early Detection of Endometrial Cancer via Biomarker Analysis

2026 Alabama Science and Engineering Fair (ASEF)

QuantHub- QuantHub Distinguished Data Scholar Award

Special Award Description : This award recognizes a student who has shown exceptional proficiency and creativity in data science. The awardee will receive a certificate and $200 cash award.

Award Name: QuantHub Distinguished Data Scholar Award
Award Sponsor: QuantHub
Student Name: Walter Anderson, Parker Madden
Award Prize: $200
Project Number: SR-1200-0050-T
Project Name: Magic: The Gathering Price Prediction Model

East Alabama and West Georgia local section of the American Chemical Society- East Alabama and West Georgia ACS Award

Special Award Description : This award is sponsored by the East Alabama and West Georgia local section of the American Chemical Society and celebrates creativity and understanding within chemical science. The awardee will receive a certificate and $200 cash award.

Award Name: East Alabama and West Georgia ACS Award
Award Sponsor: East Alabama and West Georgia local section of the American Chemical Society
Student Name: Emma Holt
Award Prize: $200
Project Number: SR-400-0126
Project Name: Bursting with Chemistry

100+ Women Strong at Auburn University- 100+ Women Strong Achievement Award

Special Award Description : This achievement award recognizes a student that exemplifies excellence through research in any category. The awardee will receive $200 cash award and a certificate.

Award Name: 100+ Women Strong Achievement Award
Award Sponsor: 100+ Women Strong at Auburn University
Student Name: Wanchen Yao
Award Prize: $200
Project Number: SR-500-0035
Project Name: An Edge-AI Smart Toothbrush for Real-Time Detection of Pediatric Dental Caries

Award Name: 100+ Women Strong Achievement Award
Award Sponsor: 100+ Women Strong at Auburn University
Student Name: Ayesha Izhar
Award Prize: $200

Project Number: SR-600-0043
Project Name: Efficient, or Just Expensive

Department of Biological Sciences at Auburn University- Biological Sciences Award in Cell, Molecular, Microbiology and Biochemistry

Special Award Description : This award recognizes an outstanding poster in the Cell, Molecular, Microbiology & Biochemistry category by a high school student. The awardee will receive a certificate and a $200 cash award.

Award Name: Biological Sciences Award in Cell, Molecular, Microbiology and Biochemistry
Award Sponsor: Department of Biological Sciences at Auburn University
Student Name: Amelie Hixson
Award Prize: $200
Project Number: SR-300-0173
Project Name: PRMT5 Inhibition Induces Metabolic Reprogramming and Disrupts Blood-Brain Barrier Gene Expression in Human Brain Endothelial Cells

Department of Biological Sciences at Auburn University- Biological Sciences Award in Animal and Plant Sciences

Special Award Description : This award recognizes an outstanding poster in the Animal and Plant Sciences category by a high school student. The awardee will receive a certificate and a $200 cash award.

Award Name: Biological Sciences Award in Animal and Plant Sciences
Award Sponsor: Department of Biological Sciences at Auburn University
Student Name: Harsha Bheemanathini
Award Prize: $200
Project Number: SR-100-0071
Project Name: The Effects of Menstrual Product Leachates on Planarian Survival

Department of Chemistry and Biochemistry at Auburn University- Chemistry and Biochemistry Award

Special Award Description : This award is designed to recognize the top chemistry/biochemistry project. The awardee will receive a certificate and $200 cash award.

Award Name: Chemistry and Biochemistry Award
Award Sponsor: Department of Chemistry and Biochemistry at Auburn University
Student Name: Joshua Minnon
Award Prize: $200
Project Number: SR-400-0123
Project Name: The Case of the Missing Volume: An Investigation of Ratio-Dependent Volume Contraction in Miscible Liquid Systems

2026 Alabama Science and Engineering Fair (ASEF)

Department of Geosciences at Auburn University- Geosciences Award
Special Award Description : This award recognizes high achievement in the area of geoscience, geology, and geography. The winner will receive a certificate and $200 cash award.

Award Name: Geosciences Award
Award Sponsor: Department of Geosciences at Auburn University
Student Name: Anna Ai
Award Prize: $200
Project Number: SR-700-0137
Project Name: Long-Term Trend and Modeling Analysis of PM2.5 Concentrations in Madison County

Department of Geosciences at Auburn University- GeoExplorer Award
Special Award Description : This award honors students who demonstrate exceptional creativity and originality in geoscience research, exploring Earth's processes, landscapes, and environments in imaginative and impactful ways. This award recognizes high achievement in the area of geoscience, geology, geography, and environmental studies. The winner will receive a certificate and $200 cash award.

Award Name: GeoExplorer Award
Award Sponsor: Department of Geosciences at Auburn University
Student Name: Anushka Behara
Award Prize: $200
Project Number: SR-700-0064
Project Name: Epigenetic Memory of Environmental Pollution: Long-Term Effects of Urban Toxicants on Planarian Regeneration

Southeastern Center of Robotics Education (SCORE) at Auburn University- Innovation of Robotic Systems
Special Award Description : This award recognizes a project that shows great promise in the use of robotic systems. The winner will receive a certificate and a $200 cash award.

Award Name: Innovation of Robotic Systems
Award Sponsor: Southeastern Center of Robotics Education (SCORE) at Auburn University
Student Name: Weijin Xu
Award Prize: $200
Project Number: SR-500-0037
Project Name: A Modular and Detachable Ankle Rehabilitation Device with Multimodal Training Functions

Department of Physics at Auburn University- Physics Award for Ingenuity and Inventiveness
Special Award Description : 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. The winner will receive a certificate and $200 cash award.

Award Name: Physics Award for Ingenuity and Inventiveness
Award Sponsor: Department of Physics at Auburn University
Student Name: Kriti Akarapu
Award Prize: $200
Project Number: SR-900-0134
Project Name: Synthesis and Optical Properties of a Luminescent Material with Simultaneous Upconversion and Downconversion

Associate Dean for Research, College of Sciences and Mathematics- Innovation in Science Research Award
Special Award Description : This award recognizes an innovative topic or innovative approaches in research methodologies for a science project. The awardee will receive a certificate and $200 cash award.

Award Name: Innovation in Science Research Award
Award Sponsor: Associate Dean for Research, College of Sciences and Mathematics
Student Name: Anushka Behara
Award Prize: $200
Project Number: SR-700-0064
Project Name: Epigenetic Memory of Environmental Pollution: Long-Term Effects of Urban Toxicants on Planarian Regeneration

School of Aviation at Auburn University- Excellence in Research or Engineering in Aviation and Aerospace Science
Special Award Description : This award honors an individual who has demonstrated exceptional accomplishment in aviation or aerospace research, or in the design, development, or engineering of an aviation or aerospace project. The recipient will be recognized for their scholarly merit, innovation, and contribution to advancing the field. The award includes a formal certificate of achievement and a $200 cash honorarium

Award Name: Excellence in Research or Engineering in Aviation and Aerospace Science
Award Sponsor: School of Aviation at Auburn University
Student Name: Ezra Hall, Armaan Sagar
Award Prize: $200
Project Number: SR-500-0181-T
Project Name: Responsive Aero

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I-STEM Connectory at Auburn University- Garage Science Award

Special Award Description : Many scientific discoveries or engineering marvels have happened outside of a laboratory. This award celebrates a student who created an outstanding project within their home or garage. The winner will receive a certificate and $200 cash award.

Award Name: Garage Science Award
Award Sponsor: I-STEM Connectory at Auburn University
Student Name: Anna Holland
Award Prize: $200
Project Number: SR-800-0132
Project Name: Break a Leg!

Office of Academic Engagement, Innovation and Opportunity, College of Sciences and Mathematics- Spirit of Excellence Award

Special Award Description : This award recognizes excellence in science research by a student. The winner will receive a certificate and $200 cash award.

Award Name: Spirit of Excellence Award
Award Sponsor: Office of Academic Engagement, Innovation and Opportunity, College of Sciences and Mathematics
Student Name: Saisha Sahoo
Award Prize: $200
Project Number: SR-700-0063
Project Name: Examining the Phytoremediation Potential of Pontederia cordata for Lithium, Cobalt, and Lead

Department of Mathematics and Statistics at Auburn University- Talent in Mathematics and Statistics Award

Special Award Description : This award recognizes a project, from any category, that demonstrates a strong mathematical and statistical analysis. The winner will receive a certificate and a $200 cash award.

Award Name: Talent in Mathematics and Statistics Award
Award Sponsor: Department of Mathematics and Statistics at Auburn University
Student Name: Mason Hilburgh
Award Prize: $200
Project Number: SR-900-0191
Project Name: Blast Off The Torpedo (Bats)!!!

Aerospace Engineering Department at Auburn University- Future Rocket Scientist Award

Special Award Description : This award recognizes high achievement in research related to Aerospace Engineering. The winner will receive a certificate and a $200 cash award.

Award Name: Future Rocket Scientist Award
Award Sponsor: Aerospace Engineering Department at Auburn University
Student Name: Leland Barbour
Award Prize: $200
Project Number: SR-900-0133
Project Name: Rocket Plume Exhaust Effects During Mars Ascent

Department of Biosystems Engineering at Auburn University- Biosystems Engineering Award
Special Award Description : This achievement award recognizes an individual that demonstrates an innovative approach to application of math and/or engineering to biological systems. The winner will receive a certificate and a $200 cash award.

Award Name: Biosystems Engineering Award
Award Sponsor: Department of Biosystems Engineering at Auburn University
Student Name: Arnav Aggarwal
Award Prize: $200
Project Number: SR-1200-0195
Project Name: AI/ML-driven systems-level analysis identifies CEACAM1 as a neuroinflammatory metabolic signaling vulnerability in Parkinson's disease

Department of Chemical Engineering at Auburn University- Chemical Engineering Award
Special Award Description : This award recognizes high achievement in scientific research in fields related to Chemical Engineering or Applied Chemistry. The winner will receive a certificate and a $200 cash award.

Award Name: Chemical Engineering Award
Award Sponsor: Department of Chemical Engineering at Auburn University
Student Name: Jackson Odom
Award Prize: $200
Project Number: SR-600-0047
Project Name: The Effect of Fiber Orientation on HDPE Composites Reinforced by Vinyl Ester Rebar

Department of Electrical and Computer Engineering at Auburn University- Electrical and Computer Engineering Award
Special Award Description : This award is presented to an outstanding project in the Robotic Systems and Communication Technology category. The winner will receive a certificate and $200 cash award.

Award Name: Electrical and Computer Engineering Award
Award Sponsor: Department of Electrical and Computer Engineering at Auburn University
Student Name: Michael Birkhead, Gabriel Stutheit
Award Prize: $200

Project Number: SR-1100-0194-T
Project Name: Animal Go!

Auburn University Bee Center- Auburn University Bee Center Pollinator Stewardship Award
Special Award Description : This award recognizes projects that align with the AU-Bees mission of promoting honey bee, native bee, and other native pollinator communities. The awardee will receive a certificate and $200 cash award.

Award Name: Auburn University Bee Center Pollinator Stewardship Award
Award Sponsor: Auburn University Bee Center
Student Name: Rowan Seiler
Award Prize: $200
Project Number: SR-100-0115
Project Name: A Bird's Life

Edward Via College of Osteopathic Medicine (VCOM-Auburn)- Excellence in Medical Science Award
Special Award Description : This award recognizes a project that shows great promise in the fields of Medicine, Health, and Translational Medical Science. The awardee will receive a certificate and $200 cash award.

Award Name: Excellence in Medical Science Award
Award Sponsor: Edward Via College of Osteopathic Medicine (VCOM-Auburn)
Student Name: Dev Patel
Award Prize: $200
Project Number: SR-800-0068
Project Name: Studying the Impact of WOA3d Inhibitor Molecule on Triple-Negative Breast Cancer Cells Utilizing Western Blots and Time-Course Treatments

Dean of the College of Sciences and Mathematics at Auburn University- Future Scientist or Mathematician Award
Special Award Description : 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. The award winner will receive a certificate and a $200 cash award.

Award Name: Future Scientist or Mathematician Award
Award Sponsor: Dean of the College of Sciences and Mathematics at Auburn University
Student Name: Akhil Batchu
Award Prize: $200
Project Number: SR-400-0057
Project Name: Computational Investigation of Electronic Effects on Reactivity in Aromatic Heterocycles

Dean of the Samuel Ginn College of Engineering at Auburn University- Outstanding Engineering Award

Special Award Description : This award recognizes a project, in any category, that demonstrates an innovative application of math or science to a societal challenge. The award winner will receive a certificate for their efforts and a $200 cash award.

Award Name: Outstanding Engineering Award
Award Sponsor: Dean of the Samuel Ginn College of Engineering at Auburn University
Student Name: Jessica Shu
Award Prize: $200
Project Number: SR-500-0179
Project Name: ThermalPvpils: A Passive Power-Saving Artificial-Intelligence Driven Shell that Makes your Building Cooler in Summer and Warmer in Winter

Dean of the College of Agriculture at Auburn University- Innovative Practices in Agriculture Award

Special Award Description : This cash prize of $200 recognizes innovative research related to soil management, crop production, or water resources.

Award Name: Innovative Practices in Agriculture Award
Award Sponsor: Dean of the College of Agriculture at Auburn University
Student Name: Violet Borchert
Award Prize: $200
Project Number: SR-100-0031
Project Name: Creation of an Eastern Oyster with an Easily Modified Genome

Dean of the College of Forestry, Wildlife and Environment at Auburn University- Excellence in Environmental Stewardship Award

Special Award Description : This award is presented to a student who has demonstrated outstanding commitment and innovative approaches to the conservation and management of natural resources, wildlife, or the environment. The winner will receive a certificate and $200 cash award. The awardee will also receive the Ricoh Sustainable Development Award and trees planted on their behalf by One Tree Planted.

Award Name: Excellence in Environmental Stewardship Award
Award Sponsor: Dean of the College of Forestry, Wildlife and Environment at Auburn University
Student Name: Jaxon Hutto, Jeremiah Ray
Award Prize: $200
Project Number: SR-700-0185-T
Project Name: Simulating Narcotic Introduction in a Micro-Ecosystem: Effects of Diphenhydramine on Crickets and Worms

Dean of the Harrison College of Pharmacy at Auburn University- Medical Interventions Award

Special Award Description : The Auburn University Harrison College of Pharmacy is providing a $200 cash prize for a student whose project aims to improve human health and longevity by translating novel discoveries in the biomedical sciences into effective activities and tools for clinical and public health use.

Award Name: Medical Interventions Award
Award Sponsor: Dean of the Harrison College of Pharmacy at Auburn University
Student Name: Nikita Prabhakar
Award Prize: $200
Project Number: SR-800-0130
Project Name: A Dual-Mode Point-of-Care Assay for Noninvasive Monitoring of Iron Levels in Menstrual Blood

Dean of the College of Veterinary Medicine at Auburn University- Health and Wellness of Animals Award

Special Award Description : The Auburn University College of Veterinary Medicine is providing a $200 cash prize in recognition of one research project that shows the most promise for improving the health and well-being of agricultural or human companion animals.

Award Name: Health and Wellness of Animals Award
Award Sponsor: Dean of the College of Veterinary Medicine at Auburn University
Student Name: Annie Bao
Award Prize: $200
Project Number: SR-100-0167
Project Name: Evaluation of Premature Platelet Aging or Platelet Desialylation in Dogs with Immune Thrombocytopenia

Dean of the College of Human Sciences- STEM for Human Well-Being Award

Special Award Description : The Human Sciences Award is presented to an exceptional project in Behavioral and Social Sciences that illustrates the role of STEM in understanding human behavior, social systems, and quality of life. This award recognizes research that integrates scientific investigation, data analysis, or technological thinking to address real-world human challenges—reinforcing the idea that STEM is everywhere, even in disciplines centered on people, relationships, and communities. The award winner will receive a certificate and a $200 cash award.

Award Name: STEM for Human Well-Being Award
Award Sponsor: Dean of the College of Human Sciences
Student Name: Emalyn Smitherman
Award Prize: $200
Project Number: SR-200-0206
Project Name: Under Pressure

Dean of the College of Liberal Arts- STEM in Society Award

Special Award Description : The College of Liberal Arts Award is presented to an exceptional project that bridges STEM practices with liberal arts perspectives to address real-world challenges. This award celebrates research that integrates data, analysis, and innovation with human-centered inquiry, reinforcing that STEM is everywhere—shaping how we communicate, create, and understand the world. The award winner will receive a certificate and a $200 cash award.

Award Name: STEM in Society Award
Award Sponsor: Dean of the College of Liberal Arts
Student Name: Sungbin Park
Award Prize: $200
Project Number: SR-1100-0192
Project Name: The Effect of Prompt Engineering on Accuracy and Consistency in Financial News Sentiment Classification Using Large Language Models

Boeing- Boeing Innovation Award

Special Award Description : The Boeing Innovation Award honors a student project that exemplifies creativity, technical skill, and problem solving through STEM. This award recognizes research or design that applies engineering, technology, or scientific analysis to real world applications—celebrating the role of innovation in advancing aerospace, exploration, and global connectivity. The award winner will receive a certificate and a $200 cash award.

Award Name: Boeing Innovation Award
Award Sponsor: Boeing
Student Name: Mia Hall, Michael Mazur
Award Prize: $200
Project Number: SR-500-0036-T
Project Name: Parametric Evaluation of a Deployable Kresling Origami Lattice Structure for Enhanced Automotive Crashworthiness

Regeneron- Regeneron Moving Biomedical Science Award

Special Award Description : Society for Science is proud to partner with Regeneron to inspire and celebrate the next generation of biomedical science heroes. The Regeneron Moving Biomedical Science Award, sponsored by Regeneron, is a $375 award to be given at Society-affiliated science fairs in the United States and its territories in 2025.

Award Name: Regeneron Moving Biomedical Science Award
Award Sponsor: Regeneron
Student Name: Danielle George
Award Prize: $375 from Society from Science + ISEF Bid

Project Number: SR-800-0069
Project Name: Exploring Tampon-Derived Vaginal Fluids for Early Detection of Endometrial Cancer via Biomarker Analysis

Department of Biological Sciences at Auburn University- Biological Sciences Moving Science Award

Special Award Description : The Auburn University Department of Biological Sciences Moving Science Award recognizes an exceptional project for outstanding scientific inquiry, creativity, and innovation. Judged on research quality, methodology, presentation clarity, and impact, the winner is celebrated for significant contributions to science and is seen as a future leader with limitless potential, inspiring creativity and innovation in future generations. The winner will receive a certificate and cash prize of $375.

Award Name: Biological Sciences Moving Science Award
Award Sponsor: Department of Biological Sciences at Auburn University
Student Name: Annie Bao
Award Prize: $375 + ISEF Bid
Project Number: SR-100-0167
Project Name: Evaluation of Premature Platelet Aging or Platelet Desialylation in Dogs with Immune Thrombocytopenia

Geosciences Moving Science Award- Geosciences Moving Science Award

Special Award Description : The Auburn University Department of Geosciences Moving Science Award recognizes an exceptional project for outstanding scientific inquiry, creativity, and innovation. Judged on research quality, methodology, presentation clarity, and impact, the winner is celebrated for significant contributions to science and is seen as a future leader with limitless potential, inspiring creativity and innovation in future generations. The winner will receive a certificate and cash prize of $375.

Award Name: Geosciences Moving Science Award
Award Sponsor: Geosciences Moving Science Award
Student Name: Corbin Hawkes
Award Prize: $375 + ISEF Bid
Project Number: SR-500-0127
Project Name: A Low-Cost, LiDAR-based Car Collision Avoidance Solution

Aptar CSP Technologies- Aptar Moving Science Award

Special Award Description : The Aptar Moving Science Award recognizes an exceptional project for outstanding scientific inquiry, creativity, and innovation. Judged on research quality, methodology, presentation clarity, and impact, the winner is celebrated for significant

contributions to science and is seen as a future leader with limitless potential, inspiring creativity and innovation in future generations. The winner will receive a certificate and cash prize of $375.

Award Name: Aptar Moving Science Award
Award Sponsor: Aptar CSP Technologies
Student Name: Mia Hall, Michael Mazur
Award Prize: $375 + ISEF Bid
Project Number: SR-500-0036-T
Project Name: Parametric Evaluation of a Deployable Kresling Origami Lattice Structure for Enhanced Automotive Crashworthiness

College of Liberal Arts at Auburn University- College of Liberal Arts Apex of Excellence Award

Special Award Description : The Auburn University College of Liberal Arts Apex of Excellence Award Apex of Excellence Award is presented to a top project that exemplifies outstanding innovation, creativity, and scientific rigor. The recipient of this award demonstrates exceptional problem-solving skills, a deep understanding of scientific principles, or the ability to apply engineering concepts to real-world challenges. The winning project exemplifies excellence in research, design, and execution, setting a high standard for future participants. The winner will receive a certificate and cash prize of $500.

Award Name: College of Liberal Arts Apex of Excellence Award
Award Sponsor: College of Liberal Arts at Auburn University
Student Name: Saisha Sahoo
Award Prize: $500
Project Number: SR-700-0063
Project Name: Examining the Phytoremediation Potential of Pontederia cordata for Lithium, Cobalt, and Lead

2026 Alabama Science and Engineering Fair (ASEF)

2026 ASEF Senior Division Category Award Winners

1st place receives $200 cash prize, certificate and ASEF medal
2nd place receives $100 cash prize, certificate and ASEF medal
3rd place receives certificate and ASEF medal

0100 Animal and Plant Sciences
3rd Place
Clark Baty - CARSEF
SR-100-0070 - Impact of tRNA Gene Knockouts on Yeast Cell Quiescence

2nd Place
Annie Bao - GEARSEF
SR-100-0167 - Evaluation of Premature Platelet Aging or Platelet Desialylation in Dogs with Immune Thrombocytopenia

1st Place
Minlu Wang-He - GEARSEF
SR-100-0168 - Identifying Biological Control Agents for Bacterial Spot Disease

0200 Behavioral & Social Sciences
3rd Place
Parker Thompson - GEARSEF
SR-200-0170 - Perceived Access vs. Actual Access: Mental Health Resource Utilization Among College Students

2nd Place
Aeesha Mulani - GEARSEF
SR-200-0171 - Effect of Saffron and Curcumin on Age-Based Behavioral Patterns in Drosophila melanogaster

1st Place
Audrey Guo - CARSEF
SR-200-0072 - Child Opportunity Index on Sleep Health Factors and Social Jetlag of High School Students in Alabama

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0300 Cell, Molecular, Microbiology & Biochemistry
3rd Place
Janaia Vanterpool - NARSEF
SR-300-0121 - The Impact of Popular Skincare Products on Staphylococcus Collagenases/Proteases: Part 3

2nd Place
Yujin Bong,Jatin Banna - GEARSEF
SR-300-0175-T - Investigating the Novel Oncogenic Potential of Colibactin-Producing Escherichia coli in Breast Tumorigenesis

1st Place
Jun Kim,David Bong - GEARSEF
SR-300-0174-T - Growth Environment Shapes Antifungal Drug Responses in Candida auris

0400 Chemistry and Materials Science
3rd Place
Gabrielle Saffold - GEARSEF
SR-400-0178 - Enhancing Composite Resin for Durable Tooth Restoration

2nd Place
Kaylee Oh - GEARSEF
SR-400-0177 - The Influence of KOH-Activated Lignin-Derived Carbon on Methyl Orange

1st Place
Sophia Guo - CARSEF
SR-400-0055 - Developing Sustainable Glycerol-Based Monomers for Polymer Blends Using 3D Printing

0500 Engineering
3rd Place
Jessica Shu - GEARSEF
SR-500-0179 - ThermalPvpils: A Passive Power-Saving Artificial-Intelligence Driven Shell that Makes your Building Cooler in Summer and Warmer in Winter

2nd Place
Corbin Hawkes - NARSEF
SR-500-0127 - A Low-Cost, LiDAR-based Car Collision Avoidance Solution

1st Place
Mia Hall,Michael Mazur - CARSEF
SR-500-0036-T - Parametric Evaluation of a Deployable Kresling Origami Lattice Structure for Enhanced Automotive Crashworthiness

0600 Energy
3rd Place
Andrew Zhang - GEARSEF
SR-600-0182 - Facile Microwave Nanomanufacturing of Novel Graphene Based Catalyst for High Performance, Low-Cost Hydrogen Evolution Reaction

2nd Place
Ayesha Izhar - CARSEF
SR-600-0043 - Efficient, or Just Expensive

1st Place
Jackson Odom - CARSEF
SR-600-0047 - The Effect of Fiber Orientation on HDPE Composites Reinforced by Vinyl Ester Rebar

0700 Earth and Environmental Sciences & Environmental Engineering
3rd Place
Maddie Lee - GEARSEF
SR-700-0186 - Terrestrial Impacts of Fertilizer Runoff on Soil Rhizosphere Acidity and Microbial Diversity

2nd Place
Anushka Behara - CARSEF
SR-700-0064 - Epigenetic Memory of Environmental Pollution: Long-Term Effects of Urban Toxicants on Planarian Regeneration

1st Place
Saisha Sahoo - CARSEF
SR-700-0063 - Examining the Phytoremediation Potential of Pontederia cordata for Lithium, Cobalt, and Lead

2026 Alabama Science and Engineering Fair (ASEF)

0800 Biomedical Engineering & Biomedical and Health Sciences
3rd Place
Mira Menon - GEARSEF
SR-800-0189 - Identifying Seizure Onset Zones Using Time–Frequency and Entropy-Based EEG Biomarkers

2nd Place
Alexis Saffold - GEARSEF
SR-800-0188 - Using Arduino-based Components To Analyze Biomechanical Forces Against Qualitative Feedback

1st Place
Danielle George - CARSEF
SR-800-0069 - Exploring Tampon-Derived Vaginal Fluids for Early Detection of Endometrial Cancer via Biomarker Analysis

0900 Physics, Astronomy & Mathematics
3rd Place
Leland Barbour - NARSEF
SR-900-0133 - Rocket Plume Exhaust Effects During Mars Ascent

2nd Place
Ella Watkins - CARSEF
SR-900-0049 - Humidity's Greater Effect on the Photodegradation of Prismacolor Colored Pencils on Bristol Vellum Paper

1st Place
Greeshma Vinoy - CARSEF
SR-900-0204 - Fabrication of Laser-induced Carbon-based Interdigitated Electrodes for Vitamin B12 Sensing

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1100 Robotic Systems & Communication Technology
3rd Place
Liam Felio,Dylan Chavez - GEARSEF
SR-1100-0193-T - How can machine learning be used to identify different types of water contamination from photos of water-testing strips

2nd Place
Gabriel Stutheit,Michael Birkhead - GEARSEF
SR-1100-0194-T - Animal Go!

1st Place
Sungbin Park - GEARSEF
SR-1100-0192 - The Effect of Prompt Engineering on Accuracy and Consistency in Financial News Sentiment Classification Using Large Language Models

1200 Computational and Bioinformatics Sciences
3rd Place
Walter Anderson,Parker Madden - CARSEF
SR-1200-0050-T - Magic: The Gathering Price Prediction Model

2nd Place
Hudhayfah Rasheed,Yusuf Nabi - CARSEF
SR-1200-0051-T - Mind Control: Using brain waves to control robotic objects might be the future of assistive technologies

1st Place
Arnav Aggarwal - GEARSEF
SR-1200-0195 - AI/ML-driven systems-level analysis identifies CEACAM1 as a neuroinflammatory metabolic signaling vulnerability in Parkinson's disease