



2017 Awards

MOBILE REGIONAL SCIENCE and ENGINEERING FAIR



University of South Alabama - Jag Gym
March 10, 2017

J U N I O R D I V I S I O N

Behavioral & Social Sciences

1st Place: Lindsey Barfield: "How Science Helped Save the Honey Bees"

2nd Place: Nathan Wallace: "Hold the Front Door"

3rd Place: Carson Jones: "What's Trending"

Botany

1st Place: Emily Walker: "Pansy Perspiration"

2nd Place: Ashley Duke: "How Does Your Garden Grow"

3rd Place: Priya Naiker: "Plant Sanitizer"

4th Place: Morgan Hampton: "How Do Plants Affect Soil Erosion"

Chemistry

1st Place: Adam Gooch: "The Fresh Prints of Bel-Air"

2nd Place: Grayson Cole: "From Milk to Stone"

3rd Place: Lane Stefurak: "Just Blew It"

Earth and Space Science

1st Place: Zachary Strutsman: "How Meanders Affect Stream Erosion"

2nd Place: Jeb Davis: "Soil Erosion"

3rd Place: Alexis Taylor: "Best Riffles?"

4th Place: Matthew Alexander: "Master of Plaster"

Engineering

1st Place: Jackson Currie: "What R#1"
Winner of Mobile Gas Award

2nd Place: Julia Solano: "Put Water to Work, Use Flowing Water"

3rd Place: Kyle Peterson: "Shake It Up"

Environmental Science

1st Place: Suhas Patil: "Solar Power Desalination"
Winner of Mobile Gas Award

2nd Place: Kayleigh Freeman: "Dam Those Floodwaters!"

3rd Place: Claire Dodson: "Cloud in a Bottle: How Pollution Affects Cloud Formation"

4th Place: Cara Lanier: "Spunky Sproutz"

Math & Computers

1st Place: Hannah Patterson: "Algebraic Hot Spots"

2nd Place: Spencer Purdy: "Gone with the Wind"

3rd Place: Aiham Alhmod: "How Hot's Your CPU?"

Medicine & Health

1st Place: Isabell Fillmore: "The Air We Breathe"

2nd Place: Zachary Nameniuk: "Dye'N for Blue"

3rd Place: Justin Stewart: "What's in Your Cup"

Physical Science

1st Place: Michael Gurganus: "How Efficient is the Yeti Cup"

2nd Place: Russell Person: "Solid CO2 Power"

3rd Place: Jacob Auld: "The Heat is On"

4th Place: Christian Medema: "Sports Drinks Exposed"

Zoology

1st Place: Cindy Nugyen: "To the Beat of my Daphnia"

2nd Place: Makensey Alford: "Don't Cross the Line"

3rd Place: Sophia Darrough: "Barnacle Growth"

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SENIOR D I V I S I O N

Animal Sciences

1st Place: Sydney Eiland: "Sunny Side Up"

2nd Place: Jackson Reimer: "Salty Fish"

3rd Place: Sophia Davis: "Effects of Salinity on Filtration"

4th Place: Andrew Ayers: "Littoraria Height on Spartina"

Behavioral & Social Sciences

1st Place: William Locker: "Attitudes toward the Gender of Political Candidates: A Comparison of Young and Old Voters"

2nd Place: Lauren Fairley: "Will the Outcome of the Test Answers Change with Positive Reinforcement"

3rd Place: Mariah Harmon: "Relationships between Education Level and Views on Racial Stereotypes"

4th Place: Ryan Langhinrichsen: "Are All Concussed Athletes Treated Equally? Evidence of Bias Associated with Gender & Sport"

Winner of "Statistical Excellence" Award by Jim and Diana Moore

Biochemistry

1st Place: Nandita Dey: "The Effect of Bitter Melon (Momordica charantia) on Melanoma cancer cells in Vitro"

2nd Place: Kelly Blacksher: "Effects of Ocean Acidification on Oyster Reef Developments"

3rd Place: Robert Browning: "Oligonucleotide Reduction of MUC5ac and Associated Genes"

Cellular & Molecular Biology

1st Place: Jamie Lim: "The Synergistic Effect of Imatinib and Allicin"

2nd Place: Tanvi Bhadkamkar: "Mechanical Signaling in PMVECs and PAECs"

3rd Place: Bahar Adavoody: "DNA Scale"

Chemistry

1st Place: Graham Golden: "To What Extent are Different Fruits able to Chelate Metals out of Polluted Water?"

2nd Place: Madeleine Forbes: "The Synthesis of Potent and Selective Prohibitors of Protein Phosphates 5"

3rd Place: Julie Dees: "Verifying the Purity of Isopentyl Acetate"

Computer Science

1st Place: Michael Williams: "Privy to Privacy"

2nd Place: Claude Hall: "Simulation of Simulink and Matlab"

3rd Place: Haley Harrell: "Algorithms in Labrynth"

4th Place: Aarad Ashraf: "Solar Powered Pis"

Earth Sciences

1st Place: Tony Le: "Reduce Soil Erosion using Starch and Biopolmer Solutions"

2nd Place: Ann Camille Poirier: "The Effect of El Nino on the Tropical Pacific Coral Reef"

Energy & Transportation

1st Place: Taylor Emmerson: "The Effect of Increasing Electrolyte Concentrations on Dye-sensitized Solar Cells"

2nd Place: Rupa Palanki: "Hydrogen Generation in Ammonia Reactor for Portable Power Applications"

Engineering: Electrical & Mechanical

1st Place: Nicholas Henry: "Traffic Jam"

2nd Place: Alexandria Elmore: "Generating Electricity from Rain Water"

3rd Place: Taylor Tannehill: "Effect of Light on Camera Exposure"

4th Place: Harrison Hanks: "Heavy Flight"

Engineering: Materials & Bioengineering

1st Place: Asher Simmons: "Which Structural Geometric Design Allows for the Stronger Building"

2nd Place: Blake Williamson: "Engineering Dilatant Shin Guards"

3rd Place: Sean McKinney: "Can You Hear Me Now"

4th Place: Jamie Newsome: "Biodegradable Plastic Water Bottles"

Environmental Management

1st Place: Deveenya Primm: "Effectiveness of Synthetic vs. Organic Pesticides"

2nd Place: Cora Potts: "Effect of Fibrous Root Systems on Preventing Soil Erosion"

3rd Place: Blake Stanley: "The Effect of Technological Waste on Zea Mays"

Environmental Science

1st Place: Vanessa Siggers: "Goo Be Gone! Cleaning Up Oil Spills with Magnets and Nanotechnology"

2nd Place: Christopher Lunsford: "The Effects of Thermal Bridging on Insulation"

3rd Place: Jordan Werneth: "A Biological Look at Aquaculture"

Mathematical Sciences

1st Place: Manni Doan: "Using Racial Properties in Media Advertisements to Determine Political Bias"

2nd Place: Michael Pillen: "Euclid's Primes (Different name on board)"

Medicine & Health

1st Place: Brooklyn Massey: "The Effects of Technology on the Older Population in Maintaining Medications Easily"

2nd Place: Rohan Badve: "Comparative Analysis of the Protective Effects of UVB Sunscreen of Varying SPF's"

3rd Place: Kiara Gamble: "Effects of Smoking ON Lung Capacity of a Smoker Compared to a Non-Smoker"

4th Place: Kourtlyn Harris: "How Much Sugar do You Eat"

Microbiology

1st Place: Leanne Jeong: "Tracking Seasonal Changes of Specific Pathogenic Bacteria around Mobile Bay"

2nd Place: Jennifer Mulholland: "Water You Finding?"

3rd Place: Paul Lockett: "What's in my Water"

Physics & Astronomy

1st Place: Ross Jordan: "Application of Snell's Law to Water Purity"

2nd Place: Isabella Elortegui: "Concussion Competition"

3rd Place: "Absorptions of Radiant Energy by Different Colors"

Plant Sciences

1st Place: Cailyn Clemons: "How Generous will a Plant Be?"

3rd Place: Hansen Hathorn: "Effect if Soil Type on Plant Root Growth"

2nd Place: Zachary Herrelson: "CO2 Concentration and the Effects of Q. virginiana"

Best in Fair

1st Place: Jamie Lim: "The Synergistic Effect of Imatinib and Allicin" (Cellular & Molecular Biology)

2nd Place: Leanne Jeong: "Tracking Seasonal Changes of Specific Pathogenic Bacteria around Mobile Bay" (Microbiology)

3rd Place: Vanessa Siggers: "Goo Be Gone! Cleaning Up Oil Spills with Magnets and Nanotechnology"

Community Innovation Award Winner

Kelly Blacksher: "Effects of Ocean Acidification on Oyster Reef Developments"

Congratulations to all of our winners!