2026 Northeast Georgia Regional Science & Engineering Fair Results

Junior Division Results By Category

Category	Rank in Category	Project Name	Team Members	School
Animal Sciences	1	Can chickens learn to associate colors with food?	Renee Ulyshen, Russell Ulyshen	Oconee County Middle School
Behavioral & Social Sciences	1	Does studying before bed improve memory?	Lauren Ulyshen	Oconee County Middle School
	2	music and studying	Allison Bell, Eltov Mekonen, Mariam Ahmed	Clarke Middle School
	3	Not So Fast!	Simon Barner, Cole Fallin	Clarke Middle School
Biochemistry	1	The Battle of the Taste Buds: Kids vs. Adults	Kennedy Gates	Clarke Middle School
	2	The Science of Flavor Illusions: How Color Impacts Taste	Alexia Gil-Chavez, Kyah Campbell	Clarke Middle School
Biomedical & Health Sciences	1	Poppin' pH	Nora Couch	Burney Harris Lyons Middle School
	2	Attack of the Drinks	Mateo Cruz Flores , Ernest Wang, Elijah Hill	Burney-Harris-Lyons Middle School
Biomedical Engineering	1	Egg-cellent Brushing	A'Maya Lattimore , Abbi Burke, Phoenyx Thurmond	Burney Harris Lyons Middle School
Chemistry	1	Does the Amount of Baking Soda Affect How Fast a Balloon Inflates?	Ma'kayla Johnson	Coile Middle School
	2	Coke vs. Coke	Sadie Smith	Clarke Middle School
	3	Chewy Juice	Ryn Brown	Clarke Middle School
Earth & Environmental Sciences	1	Soil Wars Prebiotic vs Probiotic	Tristin Bryant, Zilynn Skelton	Burney Harris Lyons Middle School
	2	Baaad Water	Josie Shuman	Burney Harris Lyons Middle School
Energy: Sustainable Materials & Design	1	What is the Gooviest Power Source?	Eloise McDaniel, Mahari Thomas	Burney-Harris-Lyons Middle School
Engineering Mechanics	1	Magnetic Slime Bot	Claire Wei	Oconee County Middle School
	2	Howe Bridges Work!	Lana Blake	Clarke Middle School
Environmental Engineering	1	Fantastic Bioplastic	Emma Arenales	Clarke Middle School
	2	R-Power House	Appu Malladi	Clarke Middle School
Materials Science	1	Will It Break?	Isabella Rhodes, Beatrix Tatarski	Burney Harris Lyons middle school

Category	#	Project Name	Team Members	School
Mathematics	1	How to win: Calculating Predictors of winning percentage in the NBA	Henry Wojdynski	Clarke Middle school
Microbiology	1	Glowing Dinos!	Elise Newman, Georgia McKown	Clarke Middle School
Physics & Astronomy	1	Start Your Engines!	Liam Beresch, Judah Martin	Clarke Middle School
	2	Turf Wars	Lyric Caudell, Josie Crim, Clare Boyle	Clarke Middle School
	3	The Puck Chuck	Thomas Wilcox	Clarke Middle School
Plant Science	1	Lighting Up Photosynthesis	Alex Call	Clarke Middle School
	2	Let it Glow! Can Light Intensity Affect Crop Heat Tolerance?	Arwen Popov	Malcolm Bridge Middle School
	3	WHICH GERMINATION METHOD WILL RESULT IN THE FASTEST SEEDLINGS?	Atticus Barger, Sergio Albarran-Martinez	Burney Harris Lyons

Junior Division Special Awards

Category	Project Name	Team Members	School

American Chemical Society Award

Category	Project Name	Team Members	School
Chemistry	The Elephant Show: What Causes The Elephant Toothpaste to Rise?	Kimberly Salas, Jesli Escalante Rivera	Coile Middle School
Chemistry	Chewy Juice	Ryn Brown	Clarke Middle School
Chemistry	PLANT-ASTIC PROPOGATION	Clark Crawford, Trevor Johnson	Burney Harris Lyons Middle School
Environmental Engineering	Fantastic Bioplastic	Emma Arenales	Clarke Middle School

Naval Science Award

Category	Project Name	Team Members	School
Chemistry	Does the Amount of Baking Soda Affect How Fast a Balloon Inflates?	Ma'kayla Johnson	Coile Middle School

Piedmont Rising Researcher Award

Category	Project Name	Team Members	School
Chemistry	Chewy Juice	Ryn Brown	Clarke Middle School

Upper Oconee Watershed Network Water Champion Award

Category	Project Name	Team Members	School
Earth & Environmental Sciences	Baaad Water	Josie Shuman	Burney Harris Lyons Middle School

Jackson EMC Pinnacle Award

Category	Project Name	Team Members	School
Microbiology	Glowing Dinos!	Elise Newman, Georgia McKown	Clarke Middle School

Senior Division Results By Category

Category	Rank in Category	Project Name	Team Members	School
Animal Sciences	1	Evaluating the efficacy of Bacillus thuringiensis israelensis (Bti) for the control of Simulium vittatum, a medically significant black fly species	Sarah Sial	North Oconee High School
	2	Comparative Study on the Effects of Different Plants in Aquaponics on the Growth of Tilapia	Angel Jones, Savannah Rawls	Cedar Shoals High School
Biomedical & Health Sciences	1	Neurons in Motion: A Computational Workflow for Extracting High Resolution Calcium Imaging Signals into Neuronal Activity	Nevee Mishra	North Oconee High School
	2	A Laboratory Study on Antimicrobial-Resistant Bacteria in Differently Sourced Ground Beef	Aurelia Hernandez	Cedar Shoals High School
Biomedical Engineering	1	AI-Driven Low-Cost 3D Printing Platform for Next-Generation Biomedical Devices	Wendy Li, Rachel Li	North Oconee High School
Cellular & Molecular Biology	1	Characterization of Domain Interactions between Drosophila Dscam1 and Slit Using Co-Immunoprecipitation	Ayane Kamiyama	North Oconee High Scool
Computational Biology & Bioinformatics	1	A Machine Learning Software System to Help Assess Heart Risk in Athletes	Nicolas Avelar	North Oconee High School
Earth & Environmental Sciences	1	Toxic Waters, Unequal Risks: A Satellite-Enabled Cloud-Computing Framework for Highlighting Spatial Variability in Harmful Algal Blooms across Georgia Waters	Neal Mishra	North Oconee High School
	2	Conflagration Watch Station: Predictive Wildfire Analysis Using Multi-Variable Regressions and Correlation-Based Risk Modeling	Katherine Campbell, Christian Flick, Kriti Sonal	North Oconee High School
	3	Study of Different Biochars' Ability to Reduce Environmentaly Hazardous Chemical from Contaminated Water	Lawrence Hodges, Alessandra Perez-Carcia	Cedar Shoals High School
Environmental Engineering	1	The Octopus: A Low-Cost, Self-Diagnosing Multi-Sensor Environmental Water Monitoring System	Spencer Perry	North Hall High School
Plant Sciences	1	Comparative Study of the Effects of Biostimulants Used in Hydroponic Production of Lactuca sativa	Grayson Oliver, Israel Ortiz	Cedar Shoals High School
Robotics & Intelligent Machines	1	From Chaos to Control: AI School Traffic Manager	Dhanvi Mepani	North Oconee High School

		Project Name	Team Members	School
Systems Software	1	A Transformer System for Real-Time Dementia Detection	Anagha Macheri, Yerri Kang	North Oconee High School
	2	AI Early Warning System for Food Markets: Insights from Google Search Behavior	Nicholas Song	Athens Academy
	3	Efficient System for Reducing Computational Cost in AI Model Training	Alex Huang	North Oconee High School
Translational Medical Science	1	PrognosTx-GI: An Artificial Intelligence-Enabled Multiscale Prognostic Framework with Tumor Growth Dynamics Modeling of Adjuvant Chemotherapy Initiation Delays in Stage III Colon Adenocarcinoma.	Garrett Torres	Oconee County High School

Senior Division Special Awards

Category	Project Name	Team Members	School
Naval Science Award			
Earth & Environmental Sciences	Toxic Waters, Unequal Risks: A Satellite-Enabled Cloud-Computing Framework for Highlighting Spatial Variability in Harmful Algal Blooms across Georgia Waters	Neal Mishra	North Oconee High School
Piedmont Rising Researcher Award			
Plant Sciences	Comparative Study of the Effects of Biostimulants Used in Hydroponic Production of Lactuca sativa	Grayson Oliver, Israel Ortiz	Cedar Shoals High School
Upper Oconee Watershed Network Water Champion Award			
Environmental Engineering	The Octopus: A Low-Cost, Self-Diagnosing Multi-Sensor Environmental Water Monitoring System	Spencer Perry	North Hall High School
Jackson EMC Pinnacle Award			
Animal Sciences	Evaluating the efficacy of Bacillus thuringiensis israelensis (Bti) for the control of Simulium vittatum, a medically significant black fly species	Sarah Sial	North Oconee High School

Projects Advancing To The Georgia Science & Engineering Fair

Project ID	Project Title	Student Names	Division
102-AN-J	Can chickens learn to associate colors with food?	Renee Ulyshen, Russell Ulyshen	Junior
103-BE-J	Does studying before bed improve memory?	Lauren Ulyshen	Junior
106-BI-J	Battle of the Taste Buds: Kids vs Adults	Kennedy Gates	Junior
112-CH-J	Chewy Juice	Ryn Brown	Junior
113-CH-J	Coke vs. Coke	Sadie Smith	Junior
114-CH-J	PLANT-ASTIC PROPAGATION	Clark Crawford, Trevor Johnson	Junior
116-CH-J	Does the Amount of Baking Soda Affect How Fast a Balloon Inflates?	Ma'kayla Johnson	Junior
119-EA-J	Soil Wars Prebiotic vs Probiotic	Tristin Bryant, Zilynn Skelton	Junior
122-EN-J	Magnetic Slime Bot	Claire Wei	Junior
123-EN-J	Fantastic Bioplastic	Emma Arenales	Junior
126-MA-J	How to win: Calculating Predictors of winning percentage in the NBA	Henry Wojdynski	Junior
127-MI-J	Glowing Dinos!	Elise Newman, Georgia McKown	Junior
131-PL-J	Let it Glow! Can Light Intensity Affect Crop Heat Tolerance?	Arwen Popov	Junior
132-PL-J	Lighting Up Photosynthesis	Alex Call	Junior
135-AN-S	Evaluating the efficacy of Bacillus thuringiensis israelensis (Bti) for the control of Simulium vittatum, a medically significant black fly species	Sarah Sial	Senior
136-AN-S	Comparative Study on the Effects of Different Plants in Aquaponics on the Growth of Tilapia	Angel Jones, Savannah Rawls	Senior
137-BI-S	Neurons in Motion: A Computational Workflow for Extracting High Resolution Calcium Imaging Signals into Neuronal Activity	Nevee Mishra	Senior
140-CE-S	Characterization of Domain Interactions between Drosophila Dscam1 and Slit Using Co-Immunoprecipitation	Ayane Kamiyama	Senior
141-CO-S	A Machine Learning Software System to Help Assess Heart Risk in Athletes	Nicolas Avelar	Senior
142-EA-S	Conflagration Watch Station: Predictive Wildfire Analysis Using Multi-Variable Regressions and Correlation-Based Risk Modeling	Katherine Campbell, Christian Flick, Kriti Sonal	Senior
143-EA-S	Toxic Waters, Unequal Risks: A Satellite-Enabled Cloud-Computing Framework for Highlighting Spatial Variability in Harmful Algal Blooms across Georgia Waters	Neal Mishra	Senior
146-EN-S	The Octopus: A Low-Cost, Self-Diagnosing Multi-Sensor Environmental Water Monitoring System	Spencer Perry	Senior
147-PL-S	Comparative Study of the Effects of Biostimulants Used in Hydroponic Production of Lactuca sativa	Grayson Oliver, Israel Ortiz	Senior
148-RO-S	From Chaos to Control: AI School Traffic Manager	Dhanvi Mepani	Senior

149-SY-S	A Transformer System for Real-Time Dementia Detection	Anagha Macheri, Yerri Kang	Senior
150-SY-S	AI Early Warning System for Food Markets: Insights from Google Search Behavior	Nicholas Song	Senior
151-SY-S	Efficient System for Reducing Computational Cost in AI Model Training	Alex Huang	Senior
152-TR-S	PrognosTx-GI: An Artificial Intelligence-Enabled Multiscale Prognostic Framework with Tumor Growth Dynamics Modeling of Adjuvant Chemotherapy Initiation Delays in Stage III Colon Adenocarcinoma.	Garrett Torres	Senior