

School	Level	Project Title	Category	Place	FIRST Name	LAST Name	FIRST Name 2	LAST Name 2	FIRST Name 3	LAST Name 3
Brookwood	HS	2-APB Protects Mouse Brain Cells from H2O2-Induced Injury	Biomedical and Health Sciences (BMED)	1	Jieya	Leng				
GSMST	HS	HSP105 and DNazyme Efficiency in Early AD Detection and Treatment	Biomedical and Health Sciences (BMED)	1	Jenny	Ha	Dhruv	Mehta		
Brookwood	HS	Longitudinal Study of Transradial Prosthetic Devices	Biomedical Engineering (ENBM)	1	Jacob	Nguyen				
GSMST	HS	Computational and Bacteriophage-Based HEF Vaccine for Influenza D	Cellular and Molecular Biology (CELL)	1	Fanta	Maiga				
GSMST	HS	Investigating Variable rRNA Modifications in Ribosome Biogenesis	Cellular and Molecular Biology (CELL)	1	Andrew	Guo				
Paul Duke STEM	HS	The Role of Myc in Tunicate Central Nervous System Development	Cellular and Molecular Biology (CELL)	1	Chloe	Au				
Paul Duke STEM	HS	Leveraging C. elegans to Study Neurological Atypia and Epigenetic Regulation via spr-2 Mutants and jhdm-1 Inhibition	Cellular and Molecular Biology (CELL)	1	Brianna	Paredes				
South Gwinnett	HS	The Effect of Different Energy Drinks on Electrical Conductivity	Chemistry (CHEM)	1	Ore	Owoyemi	Ofito	Okfor		
GSMST	HS	Investigating Pancreatic Tumor Heterogeneity Using Deep Learning	Computational Biology and Bioinformatics (CBIO)	1	Shivali	Singh				
Central Gwinnett	HS	The Effect of Ocean Acidification on Shellfish	Earth and Environmental Sciences (EAEV)	1	Kendall	Shaw				
Paul Duke STEM	HS	Investigating the Impact of Amine-Functionalization on MOF-303 for Sustainable Atmospheric Water Harvesting	Earth and Environmental Sciences (EAEV)	1	Caleb	Menghisteab				
Peachtree Ridge	HS	Effects of Electrical Stimulation on Fungal Growth	Earth and Environmental Sciences (EAEV)	1	Daniel	Ta	Dennis	Ta	Vishal	Vijay
Wesleyan	HS	Mercury Mission to Gather Sustainable Materials	Engineering Technology: Statics and Dynamics (ETSD)	1	Allison	Reding				
GSMST	HS	A Portable Microplastic Detector for Water using UV-Vis-NIR Spectroscopy	Environmental Engineering (ENEV)	1	Sirish	Subash				
North Gwinnett	HS	Optimizing Tokamak Geometry and Tungsten Divertors to Enhance D-D Fusion Capabilities	Environmental Engineering (ENEV)	1	Jack	Hunsaker				
Peachtree Ridge	HS	Hydrochar as an alternative for sand in concrete bricks	Materials Science (MATS)	1	Eric	Shu	Alex	Han		
Seckinger	HS	Bioplastics: Strength v Decomposition	Materials Science (MATS)	1	Brody	Baker				
Mountain View	HS	Killer Plants	Plant Sciences (PLNT)	1	Taylor	Fegley	Nathon	Sanff		
Collins Hill	HS	CogNeuro: Neurofeedback VR System for Managing Anxiety and Stress	Robotics and Intelligent Machines (ROBO)	1	Krish	Saxena				

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Duluth	HS	Utilizing Generative Artificial Intelligence for Commercial Image Advertisement Personalization	Systems Software (SOFT)	1	Karthik	Singaravadivelan				
GSMST	HS	Deep Learning-Powered Chinese Music Performance Assessment	Technology Enhances the Arts	1	Ivy	Liu				
GSMST	HS	Is This Chest Pain a Heart Attack? Rapid On-Field Troponin Testing	Translational Medical Science (TMED)	1	Dayveyshee	Trivedi				
GSMST	HS	Dual Potential of Anti-Hypertensive IAA for AD and Tau Modulation	Biochemistry (BCHM)	1	Ramin	Sarkar				
GSMST	HS	BioQubits: Advancing Quantum Physics at the Biological Frontier	Biomedical Engineering (ENBM)	1	Samantha	Caswell				
Paul Duke STEM	HS	PFAS and Inherited Epigenetics	Cellular and Molecular Biology (CELL)	1	Adeleine	Ebert	Maya	Botelho		
GSMST	HS	Synthesis and Docking of Drug Delivery Anthraquinonylalkanamides	Chemistry (CHEM)	1	Michelle	Diep				
Peachtree Ridge	HS	N-3-Hydroxyphenyl Alkanamide for Seizure Management	Chemistry (CHEM)	1	Joyce	Lee				
Peachtree Ridge	HS	EV Charge - A Novel Approach to EV Charging Infrastructure	Embedded Systems (EBED)	1	Aditya	Arora				
GSMST	HS	Optimization of Net & Whipple Shield-based Space Debris Removal	Engineering Technology: Statics and Dynamics (ETSD)	1	BanAnh	Doan				
GSMST	HS	Optimized Supercapacitor Flash Joules Heating to Upcycle Plastic	Environmental Engineering (ENEV)	1	Zoe	Lee	Ethan	Son		
GSMST	HS	Phage Impact on E. coli B and Salmonella in Water Sanitation	Microbiology (MCRO)	1	Anika	Pathak	Charvi	Patel		
GSMST	HS	Phage and Peptide Solutions for Biofilm Growth in Space	Microbiology (MCRO)	1	Kristen	Bright				
Peachtree Ridge	HS	Silent Signals: Boronic acids quench E. coli Quorum Sensing	Microbiology (MCRO)	1	Eun Jae	Lee				
GSMST	HS	Geometric Optimization of Differential Ray-Tracing Models	Physics and Astronomy (PHYS)	1	Mehak	Saha				
GSMST	HS	Earthworms and Phosphorus: A Zucchini Greenhouse Pot Experiment	Plant Sciences (PLNT)	1	Natalia	Kurz				
GSMST	HS	Optimizing V100 GPU Architecture and NN-driven Predictive Caching	Robotics and Intelligent Machines (ROBO)	1	Austin	Johnson	Samiel	Azmaien		
Seckinger	HS	Virtual Vision: Enhancing Navigation and Perception for the Blind	Robotics and Intelligent Machines (ROBO)	1	Zachary	Orwin				

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Paul Duke STEM	HS	Investigating C.elegans role in neurological atypia and epigenetic regulation through targeting spr-2 mutants by inhibiting Isl-1/mes-4 gene in C.elegans:	Cellular and Molecular Biology (CELL)	1	Jasmine	Delgado	Sricha	Kamal		
GSMST	HS	Autonomously Regulating HABs by Mobilizing UV-Pump Filtration	Environmental Engineering (ENEV)	1	Ryan	Shin				
GSMST	HS	Noradrenaline inhibition in cancer resistant invertebrates	Animal Sciences (ANIM)	2	Ariane	McDermott				
GSMST	HS	Drug-Induced Sleep Loss Treatment Analysis in Drosophila Model	Animal Sciences (ANIM)	2	Katie	Chen				
GSMST	HS	Year Two: The Effect of Digital Nudging on Learning	Behavioral and Social Sciences (BEHA)	2	Eshani	Sharma				
Paul Duke STEM	HS	Rhythms of the mind: Raising awareness for Bi-polar disorder through effective dance movement	Behavioral and Social Sciences (BEHA)	2	Yennelle	Gordon				
Paul Duke STEM	HS	Investigating the Educational Attainment of CSE/T Youth Survivors	Behavioral and Social Sciences (BEHA)	2	Olivia	Jolles				
GSMST	HS	AMD3100 and 2-DG NaCl NPs on Leukemia Metastasis & Glycolysis	Biochemistry (BCHM)	2	Rihana	Coval				
Paul Duke STEM	HS	Identifying and Exploring Potential Novel Arsenic-Containing Antibiotics	Biochemistry (BCHM)	2	Aiyana	Kedir				
GSMST	HS	Identifying Antigen Targets For CAR T Cells In HCC Liver Cancer	Biomedical and Health Sciences (BMED)	2	Nathan	Jung				
GSMST	HS	Engineering ADP1 to Diagnose Cancer and Inhibit NSCLC in Vitro	Biomedical and Health Sciences (BMED)	2	Sama	Nazimi	Haley	Nguyen		
North Gwinnett	HS	Photobiomodulation for Oral Health: Comparative Efficacy of Blue Laser and Blue LED Therapy on Lactobacillus Bacteria	Biomedical and Health Sciences (BMED)	2	Adarsh	Venkatesh				
Paul Duke STEM	HS	Investigating the Pulmonary Functions of Cornu Aspersum Through VOC Exposure	Biomedical and Health Sciences (BMED)	2	Livia	Santos	Abigail	Abraham		
Paul Duke STEM	HS	Investigating Quality of Life for Type 1 Diabetics	Biomedical and Health Sciences (BMED)	2	Taiama	Rosny				
Peachtree Ridge	HS	Machine Learning Model for Classification of ROI fMRI Data	Biomedical and Health Sciences (BMED)	2	Kedus	Fssehaie	Sahil	Quazi		
GSMST	HS	Envision - AI Based Smart Glasses to Protect and Allow the Blind to Read	Biomedical Engineering (ENBM)	2	Aarmaan	Singh				
GSMST	HS	Elucidating the Role of RNA Helicases in B Cells	Cellular and Molecular Biology (CELL)	2	Yohan	Kim				
GSMST	HS	Investigating the Effects of PFHxS on Renal MDR1 Efflux	Cellular and Molecular Biology (CELL)	2	Yinan	Chen				
GSMST	HS	Optimizing Low-Dose IL-2 Therapy: A Novel Method for Lupus	Cellular and Molecular Biology (CELL)	2	Lamis	Diab				

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South Gwinnett	HS	Cleaner Water, Safer days	Chemistry (CHEM)	2	Laussie	Konwro	Antonelle	Russell	Ashley	Robinson
GSMST	HS	Resveratrol-Induced Apoptosis In BRCA-Mutated Breast Cancer Cells	Computational Biology and Bioinformatics (CBIO)	2	Hannah	Chivore				
Brookwood	HS	Impact of heat on Painted lady Butterflies and Their lifespan	Earth and Environmental Sciences (EAEV)	2	Ryah	Miller				
Archer	HS	Wind Energy: Blade Shape to Power Wind Turbines	Energy: Sustainable Materials and Design (EGSD)	2	Alana	Cunningham	Madisyn	McLaurin		
Peachtree Ridge	HS	Third Generation Biofuel Symbiotic Innovation	Energy: Sustainable Materials and Design (EGSD)	2	Brandon	Poole	Daniel	Horak	Russell	Ruff
Peachtree Ridge	HS	HydroRoot	Energy: Sustainable Materials and Design (EGSD)	2	Krishna	Bhagat	Ayan	Kabir	Ethan	Varughese
Seckinger	HS	Hydrogen Energy for Underdeveloped Communities	Energy: Sustainable Materials and Design (EGSD)	2	Sterling	Shirai	Andrew	Kim		
Peachtree Ridge	HS	Gone with the Bloom: Chlorella Vulgaris Infused Hydrogels to Fight Nutrient Runoff	Environmental Engineering (ENEV)	2	Claire	Hwang	Oluwademilayo	Akinmade	Jamila	Bangura
Peachtree Ridge	HS	Biodegradable Plastic As Fertilizer	Environmental Engineering (ENEV)	2	Nichole	Chen	Kyna	Verma		
Peachtree Ridge	HS	Hydrogels: Water Retention Under Environmental Stress	Environmental Engineering (ENEV)	2	Chloe	Nguyen	Joanna	Lee		
Peachtree Ridge	HS	Dryer Filter Cleaner	Environmental Engineering (ENEV)	2	Namrata	Das	Olivia	Yoon		
THRIVE Christian Academy	HS	Biodegradable Hydrogels 2.0	Environmental Engineering (ENEV)	2	Hailey	Blackmon				
GSMST	HS	Fabrication and Evaluation of CNF Respiratory Protective Gear	Materials Science (MATS)	2	Jayden	Nguyen				
Peachtree Ridge	HS	Can Radiation Shielding Concrete withstand radiation for APS's proposed 80 years?	Materials Science (MATS)	2	Shakthi	Manickam	Ayesha	Rahman		
North Gwinnett	HS	Elevator Traffic Optimization: A Study of Scheduling Algorithms	Mathematics (MATH)	2	Peiyi (Peggy)	Lin				
GSMST	HS	Utilizing Flavones to Inhibit RepA to Combat Antibiotic Resistance	Microbiology (MCRO)	2	Krish	Patel				
GSMST	HS	Reducing Rice Blast with Natural Quorum Sensing Inhibitors	Microbiology (MCRO)	2	Ashley	Mai				
Meadowcreek	HS	How to effectively wash your hands	Microbiology (MCRO)	2	Rehan	Tariq	Jennifer	Le	Anna	Nguyen
South Gwinnett	HS	Investigating Surface Bacteria's Effect on Water Quality	Microbiology (MCRO)	2	Serena	Shi				
GSMST	HS	Effect of Sound Vibrations on Interferometric Systems	Physics and Astronomy (PHYS)	2	Valentina	Munoz Bacadare				
GSMST	HS	Enhancing Thermal Conduction in Engineered Ga2O3	Physics and Astronomy (PHYS)	2	Ethan	Li				

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GSMST	HS	Antibacterial Analysis of Phyto-Fabricated Silver Nanoparticles	Plant Sciences (PLNT)	2	Keren	Oh				
GSMST	HS	Multi-Branch Temporal-Spectral CNN-LSTM Deepfake Audio Detection	Robotics and Intelligent Machines (ROBO)	2	Max	Lee				
Seckinger	HS	Short-Term Stock Market Prediction with an AI Model	Robotics and Intelligent Machines (ROBO)	2	Marcel	Honzu				
Seckinger	HS	AI Cyber-Risk Detection	Robotics and Intelligent Machines (ROBO)	2	Khang	Ngo				
Paul Duke STEM	HS	Exploring the Impact of Quantum Computing on Cryptography	Systems Software (SOFT)	2	Falyssa	Ly				
Peachtree Ridge	HS	CarePal: AI Accelerated Motion Detector Camera, Solution to Caregiving	Systems Software (SOFT)	2	Aidan	Wang	Kentaro	Hirata	Justin	Nguyen
Paul Duke STEM	HS	Using an Olympus BX41 Light Microscope and Butterflies to Create An Art Portfolio	Technology Enhances the Arts	2	Lizbeth	Ramirez-Damian	Samantha	Boyd		
GSMST	HS	Analysis of Elephant TP53 RETROGENE-12 for Cancer Therapy	Translational Medical Science (TMED)	2	Anderson	He				
Mill Creek	HS	Type 1 Diabetes: A Cure at Last?	Translational Medical Science (TMED)	2	Isabella	DiMuzio				
North Gwinnett	HS	Improving Accuracy in ER Wait Times Using an AI-Powered Automated Triage System	Translational Medical Science (TMED)	2	Kimberly	Hutchinson	Ruth	Tesfaye		
Seckinger	HS	Leptospirosis and Climate Change in the Southeastern United States	Computational Biology and Bioinformatics (CBIO)	3	Isabelle	Breazu				
GSMST	HS	The Role of Acute vs. Chronic Stress in Mitochondrial Function	Animal Sciences (ANIM)	3	Grace	Peng				
GSMST	HS	Heat Resistant Symbiodinium : Advancing Dinoflagellate Symbiosis	Animal Sciences (ANIM)	3	Alyssa	Lee				
Peachtree Ridge	HS	Sleep-Deprived Flies and Reward Expectation for Human Cognition	Animal Sciences (ANIM)	3	Harsh	Patel	Lauren	Im	Leona	Jeong
Seckinger	HS	The Importance of a Good Reproductive System	Animal Sciences (ANIM)	3	Sofia	Hernandez				
Parkview	HS	What Factors Influence Trust When Told Advice Is AI-Generated?	Behavioral and Social Sciences (BEHA)	3	Omotoyosi	Ahmed	Joell	Blaise	Salmah	Guled
Parkview	HS	Effect of Music Tempo on Reaction Time	Behavioral and Social Sciences (BEHA)	3	Blen	Hailegiorgis	Hiyab	Gebreyohannes	Tanisha	Chowdhury
Paul Duke STEM	HS	Developing a Lab-based Curriculum for Advanced Placement Biology Utilizing C. elegans as a Model Organism	Behavioral and Social Sciences (BEHA)	3	Baylor	Brown				
Paul Duke STEM	HS	Social Support as a Protective Factor for Delinquency Among Adults with History of Foster Care	Behavioral and Social Sciences (BEHA)	3	Camille	Joiner				

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Seckinger	HS	Schizophrenia in Perspective: App Development and Auditory Treatment	Behavioral and Social Sciences (BEHA)	3	Mylee	Brown	Faaria	Rehan	Avery	Burchette
Seckinger	HS	Musical Therapy for Short-Term Memory: Math and Harmony	Behavioral and Social Sciences (BEHA)	3	Seojin	Oh	Dongjae	Nam		
Shiloh	HS	The Impacts of Holistic Health Programs	Behavioral and Social Sciences (BEHA)	3	Emioritsewarami	Nido				
GSMST	HS	Evaluating Inhibitors Against Mutations of PI3K/AKT/mTOR Pathway	Biochemistry (BCHM)	3	Hanaa	Ahmed				
Seckinger	HS	Enzyme Dynamics: Measruing Lactose in Milk	Biochemistry (BCHM)	3	Brooke	Randolph				
Paul Duke STEM	HS	Comparing Fish Skin Grafts for Burn Wound Healing the the Philippines	Biomedical and Health Sciences (BMED)	3	Minh	Lam	Aniyah	Hudson		
Paul Duke STEM	HS	Impact of Cooking Oils on the Chronological Lifespan and Growth of the Saccharomyces Cerevisiae yeast	Biomedical and Health Sciences (BMED)	3	Elle	Wylie				
Paul Duke STEM	HS	Are Fruit Waxes Cancerous? Examining the Health Risks of Fruit Wax Coatings using Saccharomyces cerevisiae	Biomedical and Health Sciences (BMED)	3	Arnav	Mittal	Gift	Ubochi		
Seckinger	HS	Investigating the Impact of Salt Concentration in Blood on Bone Integrity	Biomedical and Health Sciences (BMED)	3	Juan	Villa Ruiz	Angel	Tudares		
Seckinger	HS	Makeup Cleanser Effectiveness	Biomedical and Health Sciences (BMED)	3	Chloe	Campbell	Arianna	Banks		
Seckinger	HS	Acknowledging & Combatting Detected Presence of Lead in Clothing	Biomedical and Health Sciences (BMED)	3	Avigail	Gravelly	Kaitlyn	Pham	Elleza	Noorul
Shiloh	HS	Pre-shot Routine and Foul Shot Success	Biomedical and Health Sciences (BMED)	3	Rabun	Tucker				
THRIVE Christian Academy	HS	Battle of Bacteria	Biomedical and Health Sciences (BMED)	3	Christina	Wise				
North Gwinnett	HS	Concentric Tube Robot for Minimally-Invasive ICH Evacuation	Biomedical Engineering (ENBM)	3	Arthur	Ilyasov				
Paul Duke STEM	HS	Electrical Stimulation of C. elegans: Testing the Effects of Sleep Inducing Medications	Cellular and Molecular Biology (CELL)	3	Sarai	Garnett				
GSMST	HS	Analysis of Galactose Oxidase Mediated Pneumococcal Antigen CPS	Chemistry (CHEM)	3	Ethan	Lee				
GSMST	HS	PFA's Degradation Via BN/UV to Mitigate Glutamate Neurotoxicity	Earth and Environmental Sciences (EAEV)	3	Amanda	Tiruwuha				
North Gwinnett	HS	Effectiveness of Underwater UV Light Treatment on E coli. and Total Coliforms in Secondary Effluent Water	Earth and Environmental Sciences (EAEV)	3	Kurumi	Crutchfield	Leanna	Long		
Seckinger	HS	Green Cleans	Earth and Environmental Sciences (EAEV)	3	Isabella	Spencer	Joy	Halverson		
North Gwinnett	HS	A Technological Solution to Childhood Accidents for Children (0-5)	Embedded Systems (EBED)	3	Temple	Adebayo	Janice	Annor		

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McClure	HS	The Effects of Weather Conditions on the Efficiency of Solar Panels	Energy: Sustainable Materials and Design (EGSD)	3	Diego P.	Bermudez	Sulaiman	Ilyas	Lleyson	Garcia-Claudio
Paul Duke STEM	HS	Modeling PFC Response in a Hypothetical Fusion Reactor	Energy: Sustainable Materials and Design (EGSD)	3	Jack	Dowling				
Peachtree Ridge	HS	Effectiveness of Footstep-Powered Piezoelectric Sidewalks	Energy: Sustainable Materials and Design (EGSD)	3	Justine	Kim				
Seckinger	HS	Modern Ultra Low Emissions Vehicle Internal Combustion Engine	Engineering Technology: Statics and Dynamics (ETSD)	3	Yousef	Said				
Seckinger	HS	Electroaerodynamic Propulsion Using Corona Discharge	Engineering Technology: Statics and Dynamics (ETSD)	3	Lukas	Masaitis				
Archer	HS	Sustainable Greens For Urban Scenes	Environmental Engineering (ENEV)	3	Tyler	Roy	Timothy	Reed		
North Gwinnett	HS	Recycled and Cellulose Alternative for Environmentally Sustainable Paper	Environmental Engineering (ENEV)	3	Selina	Huang				
Peachtree Ridge	HS	Bioplastics: The Future of Plastics	Environmental Engineering (ENEV)	3	Haran	Kothari	Tristian	Andrews		
Peachtree Ridge	HS	How is algae growth affected by hydropeaking?	Environmental Engineering (ENEV)	3	Marco	Gray				
Archer	HS	Gelfi: A Plastic Packaging Replacement	Materials Science (MATS)	3	Ana	Chackonal	Caleb	Arzu		
GSMST	HS	Using Force on Polycarbonate-Polyurethane Sheets at Vertices	Materials Science (MATS)	3	Ben	Badinger				
Seckinger	HS	Plastic Has a Purpose	Materials Science (MATS)	3	Andres	Solorzano Penalver	Jacob	Wheeler		
Seckinger	HS	SEVIR Model: Development of Compartmental Model for Higher Accuracy	Mathematics (MATH)	3	Sungeun	Kwon	Sunghyun	Kwon		
Brookwood	HS	Antibacterial likelihood-C.papaya, C.longa, A.galanga vs E.Coli	Microbiology (MCRO)	3	Tue-My (Megan)	Dinh				
GSMST	HS	Investigating Activated Carbon Synergy with Antibacterial Agents	Microbiology (MCRO)	3	Crystal	Zheng				
McClure	HS	Eliminating Microbes: Testing Honey, Alcohol, and Hand Soap Against Bacteria	Microbiology (MCRO)	3	David P.	Gomez	Ethan	Escamilla-Vásquez	Zuceth A.	Avoytes
Wesleyan	HS	Using Desmids and Prasinophytes to Remediate Acidic Lakes	Microbiology (MCRO)	3	Anna Sue	Smith				
Greater Atlanta Christian	HS	Effect of the aspect ratio of anode tips on the thrust of ion propellers	Physics and Astronomy (PHYS)	3	Seunghoon	Pi				
GSMST	HS	Analysis of Electromagnetic Fields on Soil and Plant Growth	Plant Sciences (PLNT)	3	Aidan	Tran				
GSMST	HS	Modular Crop Disease Detection via MSI-SPPF & SSL for Edge Device	Robotics and Intelligent Machines (ROBO)	3	Daye	Kebe				
GSMST	HS	A Novel AI for Small-Scale Anomaly Detection in Astrophotography	Robotics and Intelligent Machines (ROBO)	3	Skyler	Kim				

