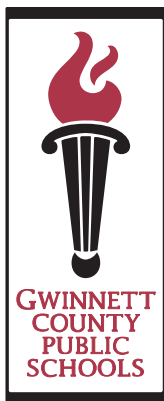


# NEWS RELEASE



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## **More than 50 projects to represent GCPS in state science fair**

Close to 100 **Gwinnett County Public Schools (GCPS)** students will see their scientific research compete against science projects from throughout Georgia and the world during two upcoming competitive events—the Georgia Science and Engineering Fair and the Intel International Science and Engineering Fair. These 95 Gwinnett middle and high school level students will have the opportunity to show what they've learned in their science classrooms after earning first place at the Gwinnett County Regional Science and Engineering Fair in February. A total of 55 student-researched projects from 17 different Gwinnett middle and high schools will represent the district during the upcoming competitions. The participating schools include **Bay Creek Middle; Creekland Middle; Five Forks Middle; McConnell Middle; Moore Middle; Summerour Middle; Trickum Middle; Archer High; Brookwood High; Central Gwinnett High; Collins Hill High; Dacula High; Duluth High; Gwinnett School of Mathematics, Science, and Technology; Mill Creek High; Parkview High; and Peachtree Ridge High.**

At the Georgia Science and Engineering Fair taking place in late March, Gwinnett County Public Schools will be well-represented with 17 projects from the middle school level and 38 competing at the high school level. Based on their success at the state competition, students will travel in May to Pittsburgh, Pennsylvania, to compete with students from across the world during the international challenge. Those students will join three Gwinnett students from **Collins Hill High, Grayson High, and Parkview High** who already have qualified to compete in Pittsburgh based on the high rankings of their three projects during the regional challenge in February.

### **Intel International Science and Engineering Fair Competitors**

<u>School</u>	<u>Students</u>	<u>Project</u>
<b>Collins Hill High</b>	Vivek Patel	ASCL3 is a novel target of the CKD2 Kinase
<b>Grayson High</b>	Christina To	Chemistry of Hair
<b>Parkview High</b>	Aprotim Bhowmik	Arterial Hemodynamics in Atherosclerosis Patients

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*is to pursue excellence in academic knowledge, skills, and behavior for each student, resulting in measured improvement against local, national, and world-class standards.*

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It is the policy of Gwinnett County Public Schools not to discriminate on the basis of race, color, sex, religion, national origin, age, or disability in any employment practice, educational program, or any other program, activity, or service.

2010 Winner of

--more--



The following 95 Gwinnett middle and high school students earned a spot to compete in the Georgia Science and Engineering Fair after placing first during the regional fair.

### Georgia Science and Engineering Fair Competitors

<b>School</b>	<b>Students</b>	<b>Project</b>
<b>Bay Creek Middle</b>	Sarah To	Deep Knee Bends
<b>Creekland Middle</b>	Douglas Court	The Mozart Effect
<b>Creekland Middle</b>	Dan Bi Han	SOS: Save Our Soaps!
<b>Creekland Middle</b>	Marion Cassim, Karen Gu, and Grace Kim	Shake the House Down
<b>Creekland Middle</b>	Julia Whitten	Get Ahead of the Lead
<b>Creekland Middle</b>	Alec Cargin, Evan Kellams, and Anthony Krajec	Flying Frisbees
<b>Creekland Middle</b>	Mimi Do, Elise Young, and Harrison Frederickson	What did you say?
<b>Five Forks Middle</b>	Eboni McNeal, Mikaela Pavin, and Tnsaye "Mimi" Demas	Why do birds fly in a V-Formation?
<b>Five Forks Middle</b>	Brendon Machado and Zafir Sharif	I-Fly: Flight Distance and Wing Shape
<b>McConnell Middle</b>	Kennedy Williams	Can music affect blood pressure?
<b>Moore Middle</b>	Amina Kadric and Ilona Moroz	What type of milk will make pennies the cleanest?
<b>Summerour Middle</b>	Sonnyra Ngeth and Lizbeth Segovia	Age and Memory
<b>Trickum Middle</b>	Jenny Nguyen and Thuy Pham	What Item Can Absorb the Most Moisture?
<b>Trickum Middle</b>	Ryan Bhowmik	Factors Affecting Erosion of Soils
<b>Archer High</b>	Odemi Pessu	The Power of Herbs
<b>Archer High</b>	Brian Cosgrove and Madison Schomburger	What A Drag
<b>Archer High</b>	Eric Adinolfi and Ethan Scott	Pigment Power
<b>Brookwood High</b>	Ezekiel Johnston	Different Skirt Materials Effect on a Hovercraft
<b>Brookwood High</b>	Alec Browning, Mickey Creighton, and Hobbie McCain	The Effect of Surface Texture on the Altitude Reached By a Rocket
<b>Central Gwinnett High</b>	Rickey Le	(Heart) Beating that Game
<b>Collins Hill High</b>	Nicole Kenning and Katie Lee	Noise Pollution Distracts Fish From Dinner
<b>Collins Hill High</b>	Anam Amirali, Allison Burg, and Rebecca Cherian	Effects of Grammatical Gender on Consumers
<b>Collins Hill High</b>	Fernando Cruz	Effects of Peppermint and Cinnamon Odor on Reaction Time
<b>Collins Hill High</b>	Jasmin Evans	GPA Effects on Gratification

<b>Collins Hill High</b>	Adelina Roman	In-School Texting Affects Your Learning
<b>Collins Hill High</b>	Hannah Lee and Mindy Ross	The Use of Sound to Create Electricity
<b>Collins Hill High</b>	William Bowling and Katelyn Leka	Sterilizing Contaminated Water with UV Rays Through Fiber Optics
<b>Collins Hill High</b>	Ryan Hawks	Water Quality of Harvested Rainwater from Different Roof Types
<b>Collins Hill High</b>	Love Park and Vivian Vu	Polypropylene Fiber-Bound Chicken Manure's Effects on Motor Oil
<b>Collins Hill High</b>	Vinay Patel	Altered Expression Profiles of KIM-1 and Alpha 1D in Diabetes
<b>Dacula High</b>	Maryann Bandy and Cassidy Pike	Intelligence of Adults
<b>Dacula High</b>	Daniel DiPlotti and Nick Mollica	Which Liquids Have the Most Electrolytes?
<b>Dacula High</b>	Kianna Rodriguez, Brett Harper, and Austin Collins	I Want Candy
<b>Dacula High</b>	Vivien Makhoul, Sam Moser, and Joey Rutowski	Does Advil dissolve in Gasoline, soda, or peroxide the fastest?
<b>Dacula High</b>	Patrick Barrett, Malik Drake, and Brendan Higgs	Which Metal Will Corrode the Fastest?
<b>Duluth High</b>	Anne Pelchat	Shields and Radiation
<b>Grayson High</b>	Courtney Duncan and Serena Shelangi	The Ultimate Showdown
<b>Gwinnett School of Mathematics, Science, and Technology</b>	Willie Jin	Modeling Optical Response of Morpho Wing Scales
<b>Gwinnett School of Mathematics, Science, and Technology</b>	Anant Desai, Mark Wang, and Michael Wang	The Effect of Electric current and H <sub>2</sub> O <sub>2</sub> on Yeast Metabolism
<b>Gwinnett School of Mathematics, Science, and Technology</b>	Grace Kim and Jin Noh	The Effect of Triclosan on the Populations of Bacteria
<b>Gwinnett School of Mathematics, Science, and Technology</b>	Shawn Albert	Dynamics of CTL Escape in HIV-1 Pol in a Zambian Subtype-C Cohort
<b>Mill Creek High</b>	Jung-Ju Lee and Phoenix Phung	Stirling Engine: Marine Energy Source
<b>Mill Creek High</b>	Judy Nam, Ye Hyeon Shim, and Sunyoung Wang	Manipulating Electromagnetism of a Motor Using Neodymium Magnets
<b>Mill Creek High</b>	Sergio Parra	Sewage Powered Suburbia

<b>Peachtree Ridge High</b>	Joella Lee and Natalie Murray	Sense Reliance of Rodents
<b>Peachtree Ridge High</b>	Katherine Li	Detection of Circulating Tumor Cells Using Quantum Nanoparticles
<b>Peachtree Ridge High</b>	Hasit Dewan and Rikhil Shah	The Effect of HCl Concentration on Electrolysis
<b>Peachtree Ridge High</b>	Christina Wang	Identify Betta Splendens Sign Signals

The Georgia Science and Engineering Fair will be held Thursday, March 29-Saturday, March 31, 2012, in Athens. Based on their performance, GCPS students will then compete during the Intel International Science and Engineering Fair, Sunday, May 13-Thursday, May 18, in Pittsburgh.