

GSMST

2013-2014 Accomplishments

GA S.T.E.M. CERTIFICATION

GSMST was awarded the GA S.T.E.M. Certification by the State Dept. of Education. A science, technology, engineering, & math (STEM) school is one dedicated to the STEM education of every student within the school. The entire curriculum & every teacher are committed to preparing students for careers in a STEM field. Through this certification, the GA Dept. of Education recognizes & supports the critical contributions made by Georgia's STEM programs.

S.T.E.M. EDUCATION AWARDS

GSMST was a finalist in the Second Annual STEM Education Awards in the category of Classroom Technology.

GSMST RANKED MOST-CHALLENGING HIGH SCHOOL IN GA

The Washington Post ranked GSMST No. 17 in the country and No. 1 in Georgia.

2014 GWINNETT COUNTY TEACHER OF THE YEAR!

Congratulations to Gwinnett County's 2014 Teacher of the Year... Ms. Hyunjin Son of Gwinnett School of Mathematics, Science, and Technology. She was also one of 10 educators selected as a Georgia Teacher of the Year Finalist.

STAR PROGRAM AWARDS

Patricia Caldwell has been selected as GSMST STAR Teacher for the 2nd consecutive year. The Student Teacher Achievement Recognition (STAR) program honors Georgia's outstanding high school seniors and the teachers who have been most instrumental in their academic development. Our GSMST STAR pupil was among 8 students with a perfect SAT score in Region IIIA and received special recognition as a Region STAR student.

GSMST SAT SCORE is 1917

GSMST is 465 points above the state average of 1452.

GSMST is 419 points above the national average of 1498.

GSMST is 404 points above the GCPS average of 1513.

GSMST is 305 points above the next closest Gwinnett HS.

2013 AATSP GA OUTSTANDING SPANISH PROGRAM AWARD

The GSMST Foreign Language Department headed by Nicole D'Antonio was awarded the 2013 AATSP GA Outstanding Secondary School Spanish Program Award for student involvement in AATSP activities and outstanding performance in the Governor's Honors Program and AP Spanish Language Exam. The award is accompanied by a \$500 Grant and will be presented March 8th during the FLAG Conference in Atlanta.

OUTSTANDING TEACHING AWARD

GSMST social studies teacher, Seth Hersch, was presented with the Olmsted Award for Outstanding Secondary Level Teaching from Williams College in Massachusetts.

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GRANT AWARDED

GSMST teacher, Cvetelina Hill, received a \$1,000 grant from the Armed Forces Communications and Electronics Association Educational Foundation. The foundation provides grants to teachers who teach in a STEM subject in a US middle or high school. Congratulations Ms. Hill.

ACADEMIC LETTER WINNERS

93 GSMST students were recognized for earning an Academic Letter for the 2012-2013 school year. These students earned a 95.0 or greater GPA last year. The students received a letter of recognition for his/her first year and received a pin for each subsequent year of recognition.

ACADEMIC WORLD QUEST COMPETITION

GSMST had two teams participate in the 8th Annual Metro Atlanta Academic WorldQuest Competition. Team A from GSMST took first place will now head to Washington D.C. for the national competition.

ANNUAL SOUTHEAST REGIONAL EMMY AWARDS

Two GSMST students won a 2013 National Academy of Television Arts and Sciences Southeast Student Production Award at the 39th Annual Southeast Regional EMMY Awards for their SCE Documentary entitled, "The New Face of Homelessness."

2013 AP AWARDS

100 AP Scholar Awards

- ◆ This award is granted to students who receive scores of 3 or higher on three or more AP Exams.

31 AP Scholars with Honor

- ◆ This award is granted to students who receive an average score of at least 3.25 on all AP Exams taken, and scores of 3 or higher on four or more AP Exams.

116 AP Scholars with Distinction

- ◆ This award is granted to students who receive an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more AP Exams.

45 National AP Scholars

- ◆ This award is granted to students who receive an average score of at least 4.0 on all AP Exams taken, and scores of 4 or higher on eight or more AP Exams.

ART

A GSMST student received an award from ArtWorks Gwinnett. He also placed 2nd in the 2014 GWS High School Seniors Scholarship Show Binders Art Supplies and Frames competition.

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BAND

The GSMST Symphonic Band earned a superior rating at the Dixie Classic Music Festival in Washington D.C. and received the Judges award for best percussion section.

GSMST's Concert Band and Symphonic Band executed outstanding performances at their Large Group Performance Evaluations. The Symphonic Band received a superior rating and the Concert Band received an excellent rating.

BIOLOGY OLYMPIAD

Two GSMST students made it to the semi-finalist level in the USA Biology Olympiad exam.

CHEMISTRY OLYMPIAD

Through their achievement on the ACS Regional Qualifying exam, two GSMST students qualified to take the National Chemistry Olympiad exam offered by the American Chemical Society.

CHESS TEAM

Two GSMST chess teams placed in the top 5 out of 28 teams in the Georgia State Chess Championship at Emory making us the only school in the history of the tournament to have 2 teams in the top 5. Two of our students were undefeated throughout the entire competition. We brought home 3 trophies, 10 individual plaques, and an individual award for one student for scoring the best on his board.

CHINESE SPOKEN LANGUAGE CONTEST

GSMST Students participating in the FLAG Chinese Spoke Language Contest all received "superior" level awards.

DEBATE TEAM

GSMST students took 1st, 2nd, and 4th places in the Lincoln Douglas Debate at the Griffin Bear Classic Debate Tournament on Saturday, September 7th. One GSMST student won all four rounds at his first tournament.

Two GSMST students were quarterfinalists in the Lincoln Douglas Debate at the Chattahoochee Cougar Classic Debate Tournament on Saturday, September 26th.

GSMST students participated in the Varsity State Debate Tournament held in Macon. One student won 2nd place in the Lincoln-Douglas Debate. Congratulations to all GSMST Debate Team members on a successful season!

DIGITAL MEDIA AND MUSIC TECH

The Digital Media and Music Tech Students produced a bus safety video for the GCPS Transportation Department as part of their JFE to supplement the Bus Safety Curriculum in GCPS Middle Schools.

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ECON CHALLENGE WINNERS

Four students represented GSMST at the 2014 Econ Challenge for the State of Georgia. The students had an outstanding result in the three test sections of the challenge and finished with an overall score of 1055 followed by their closest competitors with a score of 755. In addition to coming in second as a team, one student was recognized for the highest individual student score in the Adam Smith Division.

ENVIRONMENTAL CLUB

Two GSMST students have been chosen as Finalists in the Genius Olympiad - an international science fair focused on environmental issues and solutions. They will be representing the state of Georgia and GSMST this summer.

FOREIGN LANGUAGE

Chinese

- GSMST students participated in the FLAG Chinese Spoken Language Contest and all received Superior level awards. Congratulations Chinese student winners.

Spanish

- 56 students from GSMST attended Spanish Immersion Camp and participated in workshops such as dance, conversation, art, volleyball, and soccer. There were also various competitions held during the weekend and during the Saturday night "Carnaval", eight of our students received awards in the following categories:
 - ◆ Mejor de la Familia / Best in the Family
 - ◆ Reina de Carnaval / Queen of Carnival
 - ◆ Mejor Campista / Best Camper
 - ◆ Hablar / Speaking Competition
 - ◆ Traje Tipico / Best Traditional Costume
 - ◆ Mejor Baile / Best Dance

GERMAN CLUB

Fourteen students from GSMST competed at the State German Convention and brought home fourteen wins; 8 first place, 4 second place, and 2 third place. In first year German, we took half of all first place awards!

INTEL STUDENT TALENT SEARCH

On January 16th, one GSMST student was selected as a 2014 semifinalist in the Intel Student Talent Search. The Intel STS is among the nation's most prestigious pre-college science competitions. Annually, students entering the Intel STS compete for \$1.25 million in awards. Only 300 students are announced as semifinalists each year.

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LAUNCHPAD WINNERS

3 GSMST students were awarded 2nd place in the Gwinnett LaunchPad Entrepreneurship contest. The competition included student small business teams from other high schools and colleges. The "Power Pomade" team was awarded 2nd place based on their outstanding business model.

MATH TEAM

Math Team wins State! On Saturday, April 26, four students from GSMST traveled to Macon to participate in the Georgia State Math Tournament. This is an invitation only tournament and only 33 schools were invited. GSMST finished FIRST place making us the State Math Team Champions.

The Math Team finished 2nd in the Georgia Tech Math Competition held on February 15th. Two GSMST students finished 4th and 12th overall. What a great accomplishment!

Seven GSMST students have qualified for the AIME "American Invitational Mathematics Exam" after achieving high scores on the American Mathematics Competition exam.

MODEL UN

16 GSMST students from the Model UN club attended the Georgia Tech Model UN conference. Representing the Philippines and Poland, two GSMST students won an award for the best position paper out of their World Health Organization Committee. Out of 68 countries represented in this committee, they were the only country to receive this award.

Model UN attended a two day conference at Georgia State University on November 6 and 7. The students represented the countries of Israel, Egypt and Colombia. They came home victorious with two awards. One student won a superlative award for the Bravest Delegate in her Committee of United Nations High Commissioner for Refugees. Another student won the Distinguished Delegate Award representing the State of Israel.

GSMST's Model UN Teams placed in the Kennesaw State University High School Model UN Conference "KSU-HSMUN" representing the countries of China, South Africa, and Qatar. Out of 42 countries, the students representing China won the 10th best delegation while the students representing South Africa won the 3rd best delegation.

The following individual awards were earned by GSMST students:

- ◆ 2nd overall outstanding delegate in the General Assembly 3rd Committee for South Africa.
- ◆ 3rd overall Honorable delegate in the International Atomic Energy Agency for China. 3rd overall Honorable delegate in the Arab League for Qatar.
- ◆ 3rd overall Honorable delegate in the Peace-Building Commission for South Africa.
- ◆ 1st overall Best delegate in the African Union for South Africa.

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ORCHESTRA

The GSMST Honor Orchestra traveled to NYC and gave an outstanding performance at Carnegie Hall.

- ◆ 16 students made it through to the GMEA 2nd round all-state audition.
- ◆ 7 students received superior ratings at the GMEA Solo and Ensemble Performance Evaluation.
- ◆ 7 students were accepted to participate in the Gwinnett County Youth Symphony.
- ◆ 4 students were accepted to participate in the Emory Youth Symphony Orchestra.
- ◆ 1 student was accepted to participate in the Kendall Honor Orchestra.

PHYSICAL EDUCATION & HEALTH

GSMST qualified for Silver recognition in the 2014 Governor's SHAPE Honor Roll. This award recognizes the dedication to creating a healthy school environment and a culture of wellness for staff, students, and the community.

PARTNERSHIP WALK

GSMST students participated in the Partnership Walk in Centennial Park on Sunday. Their hard work and dedication put them in first place among all of the area high schools, raising over \$1000 to donate to the Aga Khan Foundation and raise awareness about global poverty.

REFLECTIONS

GSMST had 22 student entries in this year's PTSA Reflections Competition. 11 Students received 1st place awards and will advance to the county level competition. 4 GSMST students won the county level competition and will advance to the state level competition.

ROBOTICS

In December, GSMST Hosted 17 FTC robotics teams from around the Atlanta area in the competition named Block Party. Team 2981 earned a spot on the State tournament by hosting the event. Team 2993, made it through the qualifiers and into the elimination round of the top 4 alliance teams. Two students earned a spot in the FTC State Tournament.

Three GSMST Robotics Teams competed at the Sonoraville Universal Robotics VEX tournament held in February and achieved great results! VEX Teams 675D, 675B, and 675E won as the "Tournament Champions" and were awarded the Sonoraville Universal Robotics top alliance honors. This means that GSMST has qualified 4 teams

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for the State qualifier tournament at Ola High School in McDonough, Georgia. In addition team 675D received the Excellence Award, the highest combined award of the tournament.

All four GSMST Robotics Teams advanced to the quarter finals of the playoff round at the first annual Georgia State VEX Robotics Championship held at Ola High School earning three team spots in the VEX World championship next month in Anaheim, CA.

- ◆ Team 675E and Team 675D allied together and made it into the semi-final round earning both teams a spot in the World Championship.
- ◆ Team 675E won first place in the Robot Driving Skills by scoring a 79 point round, placing them in the top 30 skills performances in the World.
- ◆ Team 675A won the Tournament Championship as they allied with Ola HS and Dunwoody HS making them the first State Champions for GSMST VEX Robotics.

Over three days of competition at the Peachtree Regional Robotics tournament in Atlanta, our premier varsity level robotics RoboDragons finished the 96 qualifying matches in 6th place. This made them an alliance captain going into the championship rounds. Their alliance was undefeated going into the finals. They pushed the finals into the third and final match, and just lost in the closing second 146 to 126. They finished the tournament in second place, as a finalist in this very competitive event. This win qualifies the RoboDragons to compete in the FTC World Robotics Competition in St. Louis.

FIRST ROBOTICS CHALLENGE IN ST. LOUIS

In the premier robotics league of First Robotics Challenge, our GSMST team 3318 competed at the World Championship in St. Louis, Missouri. 400 teams from around the world competed in the Aerial Assist competition. After 100 qualifying rounds the RoboDragons ranked 24th in the division, the highest final ranking for a GSMST team. Their alliance record was 7 wins and 3 defeats. With this ending, the RoboDragons conclude their most successful robotics season ever.

VEX ROBOTICS WORLD CHAMPIONSHIP

Three GSMST VEX Robotics teams competed in the world championship held in California. 675A, 675D, and 675E did an outstanding job throughout the 3 day competition. 675E was in an alliance that competed for the division title, but fell just a few points short in the semifinals.

SCIENCE BOWL

The GSMST Science Bowl team took first and fourth place at the Walton Invitational Science Competition.

The GSMST Science Bowl Team placed third in the US Southeast Regional Tournament in Savannah.

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SCIENCE OLYMPIAD

The Science Olympiad Team competed at the Alpharetta High School invitational Science Olympiad Tournament over the weekend and came away with a 2nd place overall win.

GSMST was among 29 teams from 24 schools that competed in the Emory University Regional Science Olympiad Qualifier. GSMST Science Olympiad qualified for the State Tournament by placing 1st overall in the competition. Team 1 earned 1st through 4th place medals in 22 of the 23 events. Team 2 and Team 3 placed 6th and 12th respectively while earning medals in 9 events.

With a second place finish in the State Science Olympiad Tournament at Southern Polytechnic State University, GSMST 's Science Olympiad Team earned one of two berths to the National Science Olympiad Tournament at the University of Central Florida. GSMST students won medals in the following categories: Materials Science, Rocks & Minerals, Scrambler, Technical Problem Solving, Astronomy, Compound Machines, Experimental Design, Bungee Drop, Circuit Lab, and Dynamic Planet.

SCIENCE & ENGINEERING FAIR WINNERS

GSMST students had 10 first place awards for projects at the Gwinnett Regional Science and Engineering Fair. These projects will move on to compete at the State Competition. One GSMST student was awarded the grand prize for her project and has earned an all expense paid spot to the International Science and Engineering Fair in Los Angeles. 8 students received 2nd place awards for their projects.

GSMST had big success at the State Science and Engineering fair. Two students will be presenting at the International Science and Engineering Fair in Los Angeles in May. Another student has been chosen as a presenter from the Gwinnett Regional Science Fair and will be joined by an additional student observer.

GEORGIA SCIENCE AND HUMANITIES SYMPOSIUM

Several GSMST students presented research at the Georgia Science and Humanities Symposium. One GSMST student was a finalist in the competition while another won the Georgia Junior Science and Humanities Symposium and will advance to the National Competition in Washington, D.C. Another GSMST student was also a finalist in this competition.

TSA TECHNODRAGONS

The TSA TechnoDragons competed in their first TSA State Championship bringing home one 1st, two 2nd, and one 3rd place trophy as well as placing in 17 different events. The TechnoDragons finished in 5th place overall.

YEARBOOK WORKSHOP WINNERS

Four GSMST students who attended Balfour's Yearbook Workshop won the TOP prize of the workshop for their yearbook ideas, designs, layouts, cover, and theme development over 15 other schools. Two were also recognized for their caption writing skills.

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