

## GSMST

### 2015-2016 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

The Technology Association of Georgia (TAG) and the TAG Education Collaborative announced GSMST as the winner in the category of STEM Certified School Outreach at the Fourth annual STEM Education Awards

#### 2015-16 GSMST TEACHER OF THE YEAR!

Congratulations to Steve Kuninsky, GSMST Teacher of the Year.

#### GSMST RANKED MOST CHALLENGING HIGH SCHOOL IN GA

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

#### STAR PROGRAM AWARDS

Patricia Caldwell has been selected as GSMST STAR Teacher for the 2016 school 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.

#### 2015 GSMST SAT SCORE is 1848

GSMST is 398 points above the state average of 1450.

GSMST is 358 points above the national average of 1490.

GSMST is 351 points above the GCPS average of 1497.

GSMST is 194 points above the next closest Gwinnett HS.

#### ACADEMIC LETTER WINNERS

101 GSMST students earned an Academic Letter for the 2014 - 2015 school year. Academic letters are awarded to 10th - 12th grade students who earn a 95.0 or greater GPA for the previous school year. The students will receive a letter of recognition for their first year and a pin for each subsequent year of recognition. GSMST recognized 18 students in the 10th grade, 41 students in the 11th grade, 42 students in the 12th grade, and 15 students were awarded for 3 consecutive years.

#### 2015 AP AWARDS

##### AP Scholar Awards

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

##### 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.

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#### 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.

#### 47 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.

#### NATIONAL MERIT WINNERS

13 GSMST students were recognized as National Merit Winners.

#### 2016 GEORGIA AFFILIATE NCWIT AWARD

The National Center for Women & IT (NCWIT) has selected a GSMST student as a 2016 Georgia Affiliate winner of the NCWIT Award for Aspirations in Computing. She will be recognized for her computer related aspirations and for her outstanding aptitude and interest in information technology/computing; solid leadership ability; good academic history; and plans for post-secondary education.

#### 2016 GEORGIA YOUTH OF THE YEAR

A GSMST student was named Youth of the Year for Georgia by the Boys & Girls Clubs of America. He represented the Boys & Girls Clubs of Metro Atlanta and competed with more than 25 teens from Boys & Girls Clubs across the state. He was chosen for his strong leadership and unwavering efforts to make a difference in his school, club, and community. The prestigious Youth of the Year award is the organization's highest honor, recognizing teens from Clubs across the country who are working hard, investing in themselves, and demonstrating leadership.

#### 2016 GEORGIA YOUTH LEADERSHIP AWARD

21st Century Leaders has selected a GSMST student as one of the top 20 youth leader recipients for the 2016 Georgia Youth Leadership Awards.

#### BAND

Nine GSMST Band students were chosen to participate in the Gwinnett County District Honor Band and are recognized as among the best student musicians in the county.

Three GSMST Band students were selected to participate in the 2016 All-State Band and are recognized as among the best student musicians in the state.

The GSMST Band gave successful performances at the GMEA District 13 Large Group Performance Evaluation. The Concert Band received an overall rating of "Excellent" with a "Superior" rating in sight-reading, and the Symphonic Band received "Superior" ratings from all judges in both performance and sight-reading with 2 PERFECT SCORES from the judges.

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#### CHEMISTRY OLYMPIAD

The U.S. National Chemistry Olympiad is a multi-tiered competition designed to stimulate and promote high achievement in high school chemistry. More than 900 students in the greater Atlanta area representing 30 local high schools completed the 2016 local exam. Two GSMST students are among 13 high school students in the Georgia Section chosen to participate in the national exam based on their qualifying exam scores.

#### ECONOMICS CHALLENGE

four students of GSMST attended the Georgia Economics Challenge at the Federal Reserve Bank of Atlanta and competed with a total of 15 teams. Our team had superb ratings in the academic rounds of Microeconomics, Macroeconomics, and International Trade - receiving the highest scores in two out of the three areas. In the quiz bowl, which is the decisive round between first and second place, the team was able to conquer Chattahoochee High School.

The GSMST team advanced to the National Semifinals held in April and earned 16th place in their division.

#### LITERARY MAGAZINE

Two works appearing in GSMST's Literary Magazine received Superior ratings from the University of Georgia's Scholastic Press Association. The two student's Superior ratings were for an art piece and a short story.

#### MATH TEAM

The GSMST Math Team placed 1st in the UGA Math Tournament. One GSMST student finished in 1st place overall while two others took 10th and 16th place out of the 300 students competing.

The GSMST Math Team competed in the Kennesaw State University Math Competition. Ten GSMST students will advance to the second round of the KSU Math Competition.

The GSMST Math Team placed 1st Overall at the State Math Competition held in Macon. The team was crowned State Mathematics Champions in the 40th annual state mathematics tournament. One GSMST team member earned top honors as the individual State Math Tournament winner. At the conclusion of the state tournament, the students selected for the All-State Math Team are announced. All four GSMST students were selected for this team. This team will represent the state of Georgia at the nation-wide American Regions Math League (ARML) tournament in June.

#### MOCK TRIAL

GSMST 's inaugural Mock Trial team competed at the region tournament held on January 30, 2016. After Round 1, both the prosecution squad and the defense squad were power matched with the top 3 teams that have been winning Mock Trial for years. This is an incredible achievement for a first-year team. Two students one individual awards for best witness.

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#### MODEL UN

GSMST Model UN students participated in the Georgia Tech Conference (GTMUN) in October bringing home an Outstanding Delegate award for their International Maritime Organization committee.

GSMST's Model United Nations participated in the Georgia State University Model UN Conference and received numerous awards. The school represented North Korea, India, Senegal, and Mauritania. Two students won the Position Paper award for General Assembly Plenary. Two students won Position Paper award and Distinguished Delegate award in their committee World Health Organization. One student won the Honorable Mention award in his committee UN Development Program. Two Students won the Position Paper award and Outstanding Delegate award in their committee World Health Organization. Lastly, the school placed number one overall as North Korea and received the highest award as the Most Outstanding Delegation.

GSMST's Model UN club hosted the second annual Model United Nations high school conference on Saturday, January 30, 2016. GSMST is one of the only high schools in the state that has a conference. Approximately 160 people were in attendance with 9 schools representing over 25 different countries. The opening ceremonies included a keynote speaker from UNICEF and the students had engaging discussions about global concerns that currently affect different countries throughout the world

GSMST's Model UN club competed among 500 students in UGA's annual conference held in Athens the weekend of February 6th and 7th. GSMST had 21 club members who represented the countries of Iran and Russia. Two students won the outstanding delegation award for General Assembly 4th committee and One student won best position paper for the Organization of Islamic Cooperation committee.

GSMST's Model UN had an outstanding performance at the Kennesaw State University Model UN conference bringing home the following six awards:

- outstanding delegate representing Brazil
- honorable mention delegate representing Brazil
- outstanding delegate representing Brazil
- honorable mention delegate representing Iraq
- outstanding delegate representing Mexico
- outstanding delegate representing Mexico

#### NATIONAL ART HONOR SOCIETY

400 National Art Honor Society students from all over the state converged at Piedmont College for the NAHS State Conference. The students participated in workshops, art competitions, and portfolio scholarship reviews. GSMST walked away with 4 of the 16 Artlympic medals. One GSMST student received \$200 as a 2-D Superior Winner and was also the sole recipient of the highest scholarship offered by the GAEA/NAHS organization, the \$1000 Helen Flemming Stone Scholarship.

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#### NATIONAL SPANISH HONOR SOCIETY

One GSMST student was awarded the AATSP National Spanish Honor Society Senior Scholarship. Only 48 students nationwide received this honor.

Five GSMST students won the Mejor de Familia award at the State Spanish Immersion camp.

A GSMST student was selected for the AATSP (American Association for Teachers of Spanish and Portuguese) Student of the Year Award. This is a great honor as she was chosen from students all across Georgia.

A GSMST student was awarded 1st place in the AATSP Poster Contest. Each year the American Association of Teachers of Spanish and Portuguese sponsors the contest that is open to K-12 Spanish and Portuguese students whose teachers are current AATSP members. The posters are a demonstration of student understanding of the importance and uses for learning new languages.

#### ODYSSEY OF THE MIND

Two GSMST students were part of an Odyssey of the Mind team that won fourth place in the World out of 847 teams. They were also awarded the Ranatra Fusca Award, the highest ranked award in the entire program given for extreme engineering and overall creativity.

#### ORCHESTRA

Nineteen GSMST students made it through to the second round auditions for the Georgia Music Educators Association All-State Orchestra.

Eleven GSMST students were selected for the GMEA All-State Orchestra after competing in the second round auditions held at the Westminster School in Atlanta.

Seven GSMST students were selected to participate in the Gwinnett County Youth Symphony Honor Orchestra. In addition, four GSMST students were accepted to the Emory Youth Symphony Orchestra.

One GSMST student was selected for the Atlanta Symphony Youth Orchestra, a highly selective group and a tremendous honor.

The GSMST Orchestras had great success at the GMEA Large Group Performance Evaluation held at Lanier High School. The Symphonic, Philharmonic, and Honor Orchestra all received the highest rating of "Superior" for their performances. Also the Concert, Symphonic, and Honor Orchestra received a "Superior" in sight reading and Concert Orchestra received the second highest rating of "Excellent" for their performance.

The GSMST Honor Orchestra received numerous awards at the Festival Disney Competition in Orlando, Florida. The Honor Orchestra received a superior rating, were named Best in Class AA, and took 2nd Place Overall in the entire Orchestra Division competing against schools from across the country.

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#### REFLECTIONS

Five GSMST students are Reflections winners at the local school level for their competition entries in Musical Composition, Literature, Photography, and Film. Three of those students also won at the county level competition and will be advancing to the state level competition.

#### ROBOTICS

**CHHS VEX VRC Fall Qualifier:** VEX Team 675B took 1st place, winning the tournament championship at the Collins Hill High School VEX VRC Fall Qualifier.

**RoboDragons Win Lambert High School Competition:** The GSMST RoboDragons competition robotics season began with a win at the Lambert High School competition. Our VEX robotics team 675E came away with the tournament championship. Teams 675B and 675C were in alliance and came in second place.

**Robots at the Ridge State Qualifier:** GSMST RoboDragons VEX robotics teams competed at the annual "Robots at the Ridge" state qualifying tournament. At the end of the qualifying rounds all six teams progressed into the championship rounds. In the finals GSMST teams 675E and 675B battled. Team 675E won the tournament as "Alliance Champions" and team 675B finished in the Runner-up alliance. In addition to winning the competition, Team 675E also received the Design Award in recognition of their innovative design and community service to other robotics teams and school support.

**GSMST Hosts State Qualifier:** GSMST played host to 32 First Technology Challenge Robotics Teams, in an all day State qualifying tournament. Team 3819 qualified for the State tournament as the competition host. Team 3820, FTC Gold RoboDragons, advanced beyond the qualifying rounds, and into the semi-final championship rounds. But were eliminated by a finalist alliance.

**GSMST RoboDragons Win VEX Robotics State Championship and Dominate State Awards:** Three GCPS high school robotics teams were invited to compete at the 2016 State Championship of the VEX Robotics league as a part of the 60 team field at OLA High School in McDonough, GA.

Five GSMST, Two Parkview, and a Team from Grayson Technical competed in the State championship, vying for 19 slots to the World Championship in Louisville, KY. GSMST and Parkview teams ranked in the top ten after the 90 qualification rounds. Four GSMST and two Parkview teams advanced into the Championship rounds. All four GSMST teams progressed into the semi-finals, and all secured an invitation to the World Championship in Louisville, Kentucky. Congratulations to teams 675D and 675C for advancing to the World Finals.

Team 675E and 675B were allied in the final rounds, and won the State Tournament Championship.

For the second year in a row team 675E was awarded the State Excellence award. An unprecedented accomplishment for this Team. With these wins the GSMST robotics club has won a VEX Georgia State Championship for the past three consecutive years.

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#### SCHOLAR'S BOWL

GSMST's Scholar's Bowl members competed in the county tournament at Brookwood High School taking 1st place in the Junior Varsity competition and 3rd place in Varsity.

GSMST's Scholar's Bowl team won 3rd place at Kennesaw Mountain High School's Tournament.

The Scholar's Bowl team competed at the GATA Varsity State competition in March placing 2nd in the preliminaries and winning the 3rd place trophy overall.

The Scholar's Bowl placed 3rd at the GATA state tournament hosted at Flowery Branch

#### SCHOLASTIC ART AND WRITING COMPETITION

The Alliance for Young Artists & Writers, a nonprofit organization, has identified the early promise of some of our nation's most accomplished visionaries and encourages young artists and writers to pursue a variety of career paths and endeavors. GSMST students received 5 honorable mentions, 2 Silver Key recognitions, and 12 Gold Key recognitions. Of those awarded, the student who was recognized for 12 Gold Key artwork pieces progressed to the National Scholastic Art and Writing competition and was awarded 3 medals.

#### SCIENCE & ENGINEERING FAIR

Twelve GSMST student projects earned 1st place prizes at the Gwinnett Regional Science and Engineering Fair and will continue on to the State Fair .

Two students earned Grand Prizes and a direct acceptance to the INTEL International Science and Engineering Fair in Phoenix, Arizona.

Five GSMST students received awards at the State Science and Engineering Fair and three students qualify for Internationals. The following State Awards were received by GSMST students:

ASM Materials Science Foundation Award, National Youth Science Camp Alternate, U.S. National Winner for Georgia BioGENEius, Augusta University Award, Intel Excellence in Computer Science Award, Biophysical Society Award, National Association of Biology Award Best in Category - Biochemistry (Top 10), ISEF Award, Best in Category - Biomedical and Health Sciences, and 2 ISEF Ribbons.

#### JUNIOR SCIENCE & HUMANITIES SYMPOSIUM

Five students represented GSMST at the GA Junior Science & Engineering Symposium. GSMST received both 1st place awards in the poster contest. One student placed 3rd in presentation, will attend the National Competition, and receive a \$1000 scholarship.

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#### SCIENCE OLYMPIAD

GSMST competed in Forsyth Central High School's Invitational Science Olympiad Tournament along with thirty teams from schools across the state. In this tournament, 1st through 3rd place medals are awarded for individuals, teams of 2 or teams of 3 competitors in 21 events. GSMST returned home with 17 of these medals sweeping all 3 medals in 2 earth science events - Hydrogeology and Dynamic Planet.

GSMST Blue placed 2nd among 16 teams at Rockdale Magnet's Invitational Science Olympiad Tournament. One point separated the first and 2nd place teams. GSMST Silver placed 11th. Many students competed in their first Science Olympiad Tournament or their first high school SO tournament. The majority of the events in the competition required the students to study and practice in content areas outside of the high school curriculum.

GSMST's Science Olympiad Team A placed 7th out of 56 teams at Brookwood Invitational Science Olympiad Tournament held on January 16, 2016.

**Science Olympiad qualifies for State:** Two teams from GSMST competed in the Regional Qualifier for the State Tournament held at Middle Georgia State University in Macon, GA. There were 23 events with 92 medals awarded for 1st through 4th places. Of these 92 medals, GSMST brought home 84. As a result, our two teams placed first and second in the field of 20 teams from 16 schools. GSMST brought home the 1st place school trophy and a qualification for the State Tournament.

#### STUDENT COUNCIL

The GSMST Student Council won the 2016-2017 Georgia Association of Student Council's (GASC) state election at the convention to serve for a second term on the GASC Executive Board. In addition to bringing home an award for 1st place in the Outstanding Leadership Project category, GSMST also won the most significant honor of being a GASC Council of Excellence for maintaining noteworthy yearlong programming in leadership development, community service, and school spirit.

#### TECHNOLOGY STUDENTS ASSOCIATION (TSA)

The TSA Technodragons competed against 150 other Georgia schools at the GA TSA State Championship in Athens bringing home the 3rd place overall Chapter Excellence Award and State Champions Banner. GSMST participated in 38 different events and earned 30 top 10 placements, eight 3rd place trophies, three 2nd place trophies, and one 1st place trophy. The team now qualifies to compete in at least 12 different events at the World Championships this summer in Nashville, TN.

#### WORLD QUEST

GSMST had two teams participate in the Tennessee World Affairs Council World Quest competition. Team 2 placed 2nd in the competition and Team 1 took 5th place. Ten teams from Tennessee, Alabama, and Georgia competed.

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