

South Carolina Governor's School for Science and Mathematics

401 Railroad Avenue, Hartsville, SC 29550

Website: www.scgssm.org

Grades	11-12	
Enrollment	183 Students	
School President	Dr. Murray W. Brockman	843-383-3900
Board Chair	Dr. Leroy Davis	803-780-1349

THE STATE OF SOUTH CAROLINA 2013 ANNUAL SCHOOL REPORT CARD

RATINGS OVER 5-YEAR PERIOD

Year	Absolute Rating	Growth Rating
2013	Excellent	Excellent
2012	Excellent	Excellent
2011	Excellent	Excellent
2010	Excellent	Excellent
2009	Excellent	Excellent

ADEQUATE YEARLY PROGRESS

YES

Definition: As required by the United States Department of Education, Adequate Yearly Progress specifies that the statewide target is met for "All Students" and for the following subgroups: Racial/Ethnic, Subsidized Meals, Disability, and Limited English Proficiency in the areas of English/Language Arts and Mathematics, as well as meeting the statewide target for "All Students" for attendance or graduation rate.

DEFINITIONS OF SCHOOL RATING TERMS

- Excellent – School performance substantially exceeds the standards for progress toward the 2020 SC Performance Vision
- Good – School performance exceeds the standards for progress toward the 2020 SC Performance Vision
- Average – School performance meets the standards for progress toward the 2020 SC Performance Vision
- Below Average – School is in jeopardy of not meeting the standards for progress toward the 2020 SC Performance Vision
- At-Risk – School performance fails to meet the standards for progress toward the 2020 SC Performance Vision

SOUTH CAROLINA PERFORMANCE VISION

By 2020 all students will graduate with the knowledge and skills necessary to compete successfully in the global economy, participate in a democratic society and contribute positively as members of families and communities.

<http://ed.sc.gov>
<http://www.eoc.sc.gov>

PERFORMANCE CRITERIA	DATA
Advanced Placement (AP) Pass Rate	90%
Graduates' College Freshman GPA (In-state Colleges)	3.75
SAT Average (High Verbal & Math) / (High Verbal, Math, & Writing)	1366 / 2038

AP TEST SCORE DISTRIBUTION												
Score	5		4		3		2		1		Total	
	#	%	#	%	#	%	#	%	#	%	#	%
Students	91	30%	113	37%	72	23%	25	8%	7	2%	308	100%

COLLEGE FRESHMAN GPA												
GPA	3.5-4.0		3.3-3.5		3.1-3.3		2.9-3.1		<2.9		Total	
	#	%	#	%	#	%	#	%	#	%	#	%
Students	39	85%	2	4%	1	2%	3	7%	1	2%	46	100%

SAT SCORES						
	Middle 50%				Range	
SAT Critical Reading	640		730		480	800
SAT Math	640		740		510	800

A Special Note on Performance

Every student at Governor's School completes a research course requirement that is a distinctive learning and maturing experience. Senior research begins with at least six full weeks of research in the summer following the junior year. Most of the students conduct their research at university or industrial research facilities under the mentorship of professional scientists or engineers. Currently, a special exchange program supports several research positions in Germany and South Korea. Students work with their research mentors and Governor's School advisors during the senior year to compile and analyze their research findings, prepare formal research papers, and present their work at a school-sponsored colloquium and at the SC Junior Academy of Science annual meeting.

END OF COURSE TESTS N/A

Abbreviations for Missing Data

N/A–Not Applicable N/AV–Not Available N/C–Not Collected N/R–Not Reported I/S–Insufficient Sample

SCHOOL PROFILE

	Our School	Change from Last Year
Students (n=183)		
Retention rate	0	Same
Attendance rate	94.5%	Down from 99.2%
With disabilities other than speech	1	Up from 0
Older than usual for grade	0	Same
Out-of-of school suspensions or expulsions for violent &/or criminal offenses	N/A	Same
Annual dropout rate	N/A	Same
Students in residence	183	Up from 129
National Achievement Semifinalists/Finalists	63% / 80%	Up from 50%
Seniors Completing Science Research Project	100%	Same
Community Service-hr./student	83	Same
Graduating attending college	100%	Same
Seniors eligible for LIFE Scholarship	99%	Down from 100%
Total scholarship offered	\$12,026,907	Up From \$11,878,000
Number of seniors	65	Up from 61
National Merit Semifinalists/Finalists	23% / 20%	Up from 16% / 16%
Teachers (n=14)		
Teachers with advanced degrees	100%	Same
Percent of classes not taught by highly qualified teachers	N/R	Same
Teachers with emergency or provisional certificates	N/A	Same
Teachers returning from previous year	99%	Down from 100%
Teacher attendance rate	99.8%	Up from 99.7%
Average salary	\$65,581	Up from \$63,062
Professional development days per teacher	6	Same
Teachers with Doctorates	82%	Up from 79%
Years teaching experience-middle 50%	21 to 39	Up from 20 to 38
School		
President's years at the school	12	Up from 11
Student-teacher ratio in core subjects	10 to 1	Down from 11 to 1
Prime instructional time	96.3%	Down from 98.9%
Percent of expenditures for instruction	N/R	Same
Dollars spent per pupil	\$16,579 ^a	Up from \$13,122
Percent of expenditures for teacher salaries	70.6%	Up from %63%
Opportunities in the arts	N/A	Same
Parents attending conferences	91%	Up from 89%
SACS accreditation	N/A	Same
University/Industrial Partners in Research Mentor Program	14	Up from 12
Mentors in Research Program	86	Up from 81
Student clubs and organizations	44	Up from 31
Students active in clubs/societies	98.6%	Up from 97.6%
Varsity sports teams	9	Same
Students participating in varsity sports	83%	Up from 81%
Students returning to home high school	9.8%	Up from 2.3%
Outreach to other schools		
Students in Summer Science Program (GoSciTech)	445	Up from 346
University Partners in SSP	6	Down from 11
6 week summer research positions for other HS students	3	Same
Other S.C. Educators in Outreach Training/Devel. Programs	26	Up from 26

^a Costs for academic program including summer research, but not residential life (base state support)

Abbreviations for Missing Data

REPORT OF PRESIDENT

From its founding in 1988 by a visionary Act of the General Assembly, GSSM has served as a portal through which talented students from throughout South Carolina have embarked on a lifetime of exploration, discovery and growth. The mission of this unique school emphasizes developing the scientifically astute and ethically aware leaders needed for our expanding knowledge-based economy. Recognized as a leader in the state, GSSM is now concentrating on national prominence with a focus on the global nature of modern science and industry.

At our founding, GSSM shared facilities with Coker College, and private donors provided all funds for construction. As our successes mounted and our reputation grew, the Board of Trustees approached the General Assembly with plans for a stand-alone campus to house more students. The General Assembly concurred, and we are expanding rapidly. We have hired faculty in all disciplines and we are steadily increasing the number of students. Our new Blue Cross Blue Shield Economics and Finance Institute has already opened, broadening and sharpening our student's ability to think in economic and business terms about opportunities in high technology, and we are embarking on a ground-breaking state-wide initiative in Engineering.

GSSM students continue to perform at the highest levels, reflecting the individual talents of these remarkable young people as well as the unique opportunities offered by GSSM. The significant achievements of the students in residence in Hartsville (2038 average SAT, highest in the state; \$12.1 million in scholarship offers to 65 seniors, including 26% who are National Merit or Achievement Scholars) are crowned by their completion of a mentored individual research project at a research university or industrial laboratory in the US or internationally. This year GSSM students carried out research at the German Cancer Research Center in Heidelberg, and the Korean Advanced Institute for Science and Technology as well as at Johns Hopkins University and the French National Center for Scientific Research in Nice. Typically, several students publish their work in peer-reviewed scholarly journals each year.

Appropriate emphasis on extracurricular activities for all students continues to build strong school spirit, with 83% of students participating in varsity athletics. Our volleyball, tennis and soccer teams are consistently ranked highly. Boys and girls cross country teams participated in the state championships, as did individual members of the swimming team. Overall, our athletic program ranks in the top 40 in the state for all schools. Additionally, students lead and direct more than 31 clubs and societies, involving 97% of students. Students serve their community and school by working 83 hours each year, supplementing instruction on ethics and character development. Perhaps best of all, students report great satisfaction from forming "friendships for life."

As expected, this combination of academic excellence, community commitment, character and hard work results in GSSM graduates being admitted to some of the nation's most prestigious universities every year. This year students were admitted to Harvard, Yale, Stanford, CalTech, U Cal – Berkeley, Duke, and many other excellent schools.

GSSM's Outreach shares exemplary programs statewide to improve science achievement. A continuing grant from Google enabled us to expand a computer-based entrepreneurship camp for middle school students in Berkeley County, and we moved a similar concept to Greenville, Beaufort and Greenwood. Our GO SciTech Program encouraged 8th, 9th and 10th graders to explore "real" science, math and computer. Sonoco has funded a remarkable program with Darlington County Schools, GSSM, Coker College and Yale University to enhance educational excellence at all levels in Hartsville.

We are eagerly planning to enhance this remarkable record. Our new faculty and staff members are as amazing as our veterans, and as we continue to grow, we will continue to create new opportunities for our students, like international research, that have no comparison anywhere in the nation. GSSM will continue to be a flagship for education in South Carolina and, increasingly, the nation.

Murray W. Brockman, President

EVALUATIONS BY STUDENTS, TEACHERS, AND PARENTS

	Students	Teachers	Parents
Number of surveys returned	67	14	42
Satisfied with learning environment	95.5%	100.0%	97.4%
Satisfied with social and physical environment	96.9%	100.0%	97.6%
Satisfied with school-home relations	86.4%	94.7%	80.0%

**11th grade students and parents were surveyed.*