



South Carolina Governor's School for Science and Mathematics

401 Railroad Avenue, Hartsville, SC 29550

Website: www.scgssm.org

Grades 11–12

Enrollment 128 Students

School Lead Instructor Dr. Murray W. Brockman 843-383-3900

Board Chair Dr. Raymond S. Greenberg 843-792-2211

THE STATE OF SOUTH CAROLINA 2009 ANNUAL SCHOOL REPORT CARD

RATINGS OVER 5-YEAR PERIOD

Year	Absolute Rating	Growth Rating
2009	Excellent	Excellent
2008	Excellent	Excellent
2007	Excellent	Excellent
2006	Excellent	Excellent
2005	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 2010 SC Performance Goal
- Good – School performance exceeds the standards for progress toward the 2010 SC Performance Goal
- Average – School performance meets the standards for progress toward the 2010 SC Performance Goal
- Below Average – School is in jeopardy of not meeting the standards for progress toward the 2010 SC Performance Goal
- At-Risk – School performance fails to meet the standards for progress toward the 2010 SC Performance Goal

SOUTH CAROLINA PERFORMANCE GOAL

By 2010, SC's student achievement will be ranked in the top half of the states nationally. To achieve this goal, we must become one of the fastest improving systems in the country.

PERFORMANCE CRITERIA	DATA
Advanced Placement (AP) Pass Rate	93%
Graduates' College Freshman GPA (In-state Colleges)	3.66
SAT Average (High Verbal/High Math)	1382

AP TEST SCORE DISTRIBUTION

Score	5		4		3		2		1		Total	
	#	%	#	%	#	%	#	%	#	%	#	%
Students	83	37%	79	35%	48	21%	12	5%	4	2%	226	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	30	73%	5	12%	4	10%	0	0%	2	5%	41	100%

SAT SCORES

	Middle 50%		Range	
SAT Critical Reading	640	740	560	800
SAT Math	650	730	610	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. 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=128)		
Retention rate	0	Same
Attendance rate	96.6%	Down from 98.1%
With disabilities other than speech	0	Same
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	125	Down from 218
National Achievement Semifinalists/Finalists	75% / 75%	Down from 83% / 83%
Seniors Completing Science Research Project	100%	Same
Community Service-hr./student	83	Same
Graduating attending college	100%	Same
Seniors eligible for LIFE Scholarship	100%	Same
Total scholarship offered	\$10,315,215	Down from \$10,934,799
Number of seniors	56	Down from 61
National Merit Semifinalists/Finalists	16% / 16%	Down from 25% / 25%
Teachers (n=14)		
Teachers with advanced degrees	100%	Same
Percent of classes not taught by highly qualified teachers	N/R	
Teachers with emergency or provisional certificates	N/A	NC
Teachers returning from previous year	100%	Same
Teacher attendance rate	98.9%	Up from 98.7%
Average salary	\$63,062	Up from \$61,299
Professional development days per teacher	1	Down from 6(faculty furlough/5 non-academic days
Teachers with Doctorates	79%	Same
Years teaching experience-middle 50%	17 to 35	Up from 16 to 34
School		
President's years at the school	8	Up from 7
Student-teacher ratio in core subjects	10 to 1	Same
Prime instructional time	95.5%	Down from 96.7%
Percent of expenditures for instruction	N/R	
Dollars spent per pupil	\$15,043 ^a	Down from \$16,035
Percent of expenditures for teacher salaries	62.2%	Up from 60.8%
Opportunities in the arts	N/A	Same
Parents attending conferences	70.2%	Up from 61.1%
SACS accreditation	N/A	Same
University/Industrial Partners in Research Mentor Program	9	Up from 7
Mentors in Research Program	61	Up from 58
Student clubs and organizations	32	Down from 39
Students active in clubs/societies	98%	Same
Varsity sports teams	9	Same
Students participating in varsity sports	79%	Down from 82%
Students returning to home high school	2.4%	Down from 8.6%
Outreach to other schools		
Students in Summer Science Program (SSP)	271	Down from 324
University Partners in SSP	7	Down from 8
6 week summer research positions for other HS	10	Up from 7

^a Costs for academic program including summer research, but not residential life.

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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. Nationally ranked by Newsweek and by the College Board, GSSM is now concentrating on national prominence as we prepare for expansion.

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 support growth. The General Assembly concurred with funding for initial facilities, completed in 2003, and now has provided funds for completion. When opened in January 2010, this campus will support expansion in both scope and scale to build on our remarkable record of accomplishment.

GSSM's curriculum is second to none in the state in its depth and challenge, most notably in science and math, but also in the humanities. Our students continue to perform at the highest levels in both our Residential and Outreach programs, reflecting the individual talents of these remarkable young people. The significant achievements of the students in residence in Hartsville (2065 average SAT, highest in the state; \$10.3 million in scholarship offers to 56 seniors, including 16% who were National Merit Scholars) are crowned by their completion of a mentored individual research project at one of South Carolina's research universities or industrial laboratories. This year, thanks to grant from Roche, we inaugurated an international research exchange program, allowing GSSM students to do research at Karlsruhe University in Pforzheim, Germany, and German students from the Johannanna Wittum Schools to do research at USC-Columbia.

Appropriate emphasis on extracurricular activities for all students continues to build strong school spirit, with 79% of students participating in varsity athletics. Our soccer and tennis teams took regional championships while cross-country placed third and individual members of the swimming, tennis, and track teams won state honors. Overall, our athletic program ranks in the top 30 in this state for all schools. In addition, students lead and direct more than 32 clubs and societies, involving 98% 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".

GSSM's Outreach shares exemplary programs statewide to improve science achievement. A new grant from Google provided a compute-based entrepreneurship camp for middle school students in Berkeley County. Our Summer Science Program encouraged 8th, 9th and 10th graders to explore "real" science, math and computer.

We are eagerly planning to enhance this remarkable record. When the new campus is completed and new faculty and staff funded, we will more than double the students served in both the Outreach and Residential programs. In Residence, we plan to add advanced studies in finance and economics to better meet needs for leadership in the knowledge-based economy. We will pursue opportunities for our students to carry out scientific research globally, and support that effort with enhanced instruction in foreign languages. 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	68	9	44
Satisfied with learning environment	97.0%	100%	97.6%
Satisfied with social and physical environment	92.7%	100%	95.5%
Satisfied with school-home relations	94.1%	100%	90.5%

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