

2024 Annual Accountability Report

South Carolina Governor's School for Science and Mathematics

Agency Code: H650

Table of Contents

Agency's Discussion and Analysis	1
Agency Organization Chart	5
Reorganization and Compliance	6
Strategic Plan Results	7
Strategic Plan Development	10
Budget Data	13
Legal Data	14
Services Data	19
Partnerships Data	20
Reports Data	22
Submission Form	23

AGENCY NAME:	South Carolina Governor's School for Science and Mathematics							
AGENCY CODE:	H650	SECTION:	10					

AGENCY'S DISCUSSION AND ANALYSIS

The South Carolina Governor's School for Science & Mathematics (GSSM) seeks out and advances our state's most talented and motivated students, offering a transformative education in science, mathematics, and engineering that cultivates joy in learning and builds the confidence to engage as ethical leaders with the world's most significant issues. As a nationally recognized leader in STEM education, GSSM leverages its expertise to serve as a statewide educational resource through its residential, virtual, and Outreach programs, which collectively engage nearly 10,000 South Carolina public school students annually.

Although GSSM prides itself on serving students across the state, the institution recognizes that the South Carolina Department of Education continues to identify STEM fields as areas of critical need and seeks to further leverage its knowledge and expertise to enhance education statewide. The institution's strategic vision is focused on ensuring a continued return on investment for the state by further scaling its existing programmatic expertise to meet the STEM needs of South Carolina's public education system. With additional key investments from the state, GSSM is well-positioned to help meet the increasing need for expertise and support in these subject areas to ensure South Carolina's students are prepared to engage with emerging technologies and concepts that will impact the state's future economic and workforce development efforts.

The expertise of GSSM's faculty and staff has allowed the institution to scale its impact outside of its hallmark residential program, which serves 288 students annually. GSSM understands that highly motivated and talented students are found in every community across the state and is dedicated to providing high-quality and enriching STEM-focused experiential educational opportunities to as many public-school students as possible. Students who are unable to participate in the residential program experience the benefits of GSSM academics at their own high schools or from home through virtual high school programs. Elementary and middle school students, who are not yet old enough to participate in the residential program, experience hands-on STEM learning through Outreach programs led by GSSM instructors at their schools, by visiting campus for special classes, in on-campus and online afterschool programs, and through summer camps.

The success of this unique school is driven by its values:

- Serving as a statewide resource for STEM education;
- Emphasizing innovation in curriculum and programmatic offerings to meet the state's future workforce and economic development needs; and,
- Development and well-being of the whole student with an emphasis on promoting joyful curiosity.

Academics

The basis of GSSM's transformative education is a quality curriculum taught by strong faculty and supported by dedicated staff who genuinely care about their students. All faculty members have master's degrees or extensive work experience in their fields, and 81% hold a doctoral degree in their specialty field. An 8:1 student-teacher ratio, dedicated faculty office hours, robust academic advisement, and expert student-success and college counseling professionals ensure students have every opportunity to achieve academic success.

GSSM's course offerings give students multiple opportunities for in-depth exploration:

- 145 courses offered as semester or year-long courses;
- 78 STEM courses;
- 21 AP courses;
- 40 dual-enrolled courses;
- 22 courses for which an AP course is a prerequisite; and,
- Seminar classes equip students for public speaking, research, and college admissions.

AGENCY NAME:	South Carolina Governor's School for Science and Mathematics								
AGENCY CODE:	H650	SECTION:	10						

GSSM's innovative and rigorous STEM-focused curriculum is the primary reason the institution is consistently ranked among the top high schools in the nation. The institution prides itself on its robust and challenging academic offerings through its residential, virtual, and Outreach programs; however, current space and resource constraints prevent the institution from fully leveraging the expertise of its faculty and staff to the benefit of the state. The institution can provide experiential educational opportunities in emerging fields such as Artificial Intelligence, Robotics, Electric Vehicles, Advanced Energy Resiliency, Advanced Manufacturing, and Biotechnology, but it lacks the physical space to allow students to fully engage with these concepts. In order to meet the needs of the state and fully meet its strategic mission, GSSM seeks to expand its campus through construction of a new building that will allow the school to expand its curriculum and programmatic offerings to better serve as a statewide resource in STEM education.

Rooted in the importance of engaging in experiential learning that is focused on real world applications, GSSM's existing curriculum requires rising seniors to participate in a summer research experience that pairs each student with professional researchers to work on current projects and emerging issues. In 2023-2024, 144 students conducted research at 34 sites with 101 mentors. Over half of these students conducted transformative research with faculty at South Carolina R1 universities, The University of South Carolina Columbia and Clemson, studying in fields such as:

- Targeting Hypoxia-Driven Cell Signaling in Oral Cancer;
- Effects of Non-Newtonian Fluid on Electroosmotic Flow;
- Bringing Textbooks to Life with Python; and,
- Lagoon Surface Area Project.

Strengthening and expanding research-based experiential learning opportunities for students during the summer and the academic year is a strategic priority for GSSM. Currently, the institution relies heavily upon fundraising support from its Foundation in order to ensure the quality of its research program. Developing strong partnerships with South Carolina's R1 universities directly engages students with these institutions, resulting in strong connections that support in-state retention after graduation from GSSM, which ultimately serves to buttress the state's workforce and economic development efforts. With additional support from the State of South Carolina, the institution seeks to further its impact as a statewide resource by continuing to build upon the demonstrable success of this program to further advance STEM excellence within the state.

Global Learning Opportunities

A critical component of GSSM's mission is ensuring its students are well-prepared to engage with global issues. Accordingly, the institution continues to devote resources to enhancing global learning opportunities for students, which helps develop their awareness of global issues and their ability to work competently across cultural and international borders.

Through the Research Experience Scholars Program, students conduct mentored research at the German Cancer Research Center in Heidelberg, Germany, and the Fraunhofer Institute of Experimental Software Engineering, the Fraunhofer Institute of Industrial Mathematics, and the German Research Center for Artificial Intelligence, all in Kaiserslautern, Germany. Partnerships with the Johanna Wittum Schule in Pforzheim, Germany, and the Gymnasium am Rittersberg in Kaiserslautern, Germany, provide host families who house the GSSM students and introduce them to their country and culture while they are in Germany. In the fall semester following this summer experience, German students from Johanna Wittum Schule and Gymnasium am Rittersberg visit GSSM for several weeks to attend classes and conduct research at the Clemson University Pee Dee Research & Education Center.

AGENCY NAME:	South Carolina Governor's School for Science and Mathematics								
AGENCY CODE:	H650	SECTION:	10						

This program provides participating students a unique opportunity to be immersed in German culture and the international research community.

In April 2024, a group of GSSM students and staff traveled to Cusco, Peru, in collaboration with the MEDLIFE organization. Through this service-learning project, the team aided healthcare professionals in delivering general medicine, OB/GYN, pharmacy, and dental hygiene care at mobile medical clinics and collaborated with local community members to build a greenhouse. They were immersed in Peruvian culture and heritage, forged meaningful connections with the Cusco community, and gained a deeper understanding of global issues.

Residential Life

GSSM's commitment to the development and well-being of the whole student is particularly important in the residential setting. A dedicated team of professional live-in staff provide oversight for the student residence halls, nurses contracted through the local hospital are on campus from morning to night to attend to students' health needs, and three licensed professional counselors provide mental health support. Additionally, myriad opportunities and supports are available to ensure students thrive.

GSSM boasts 16 interscholastic varsity athletic teams, including cross country, swimming, basketball, tennis, track, soccer, golf, volleyball, and cheerleading. Approximately 75 percent of residential students participated in athletics in 2023-24. Students also manage, under the supervision of the Athletics staff, game day operations such as setting up and breaking down, music, livestream, score table, concessions, and ticket sales.

GSSM supports more than 70 clubs, organizations, and societies, including service organizations, academic teams, special interest groups, and clubs representing various disciplines, and 96 percent of residential students participate in one or more of them. These clubs and organizations, along with the campus life staff, sponsor a full complement of diverse programs and activities for students, including festivals, cultural celebrations, and awareness/service initiatives.

Statewide Resource for STEM Education

GSSM maximizes its impact as a statewide STEM education resource through continued strategic investment in its Outreach program. The Outreach program provides engaging and interactive STEM-focused experiential learning opportunities for students and teachers across the State of South Carolina, with an emphasis on reaching underserved communities, through a robust portfolio of programmatic offerings that include:

- <u>SPARK:</u> a series of virtual afterschool classes for middle schoolers covering a wide variety of topics, led by current GSSM residential students. In 2023-24, SPARK served 770 students through 37 classes.
- <u>ENGAGE</u>: a five-week afterschool experience for middle schoolers held on the GSSM campus, led by current GSSM residential students. ENGAGE is returning in the 2024-25 school year.
- <u>STEM Days at GSSM:</u> opportunities for elementary and middle school students to come to the GSSM campus or have a GSSM outreach educator visit their school; students participate in standards-based hands-on educational activities and, if at GSSM, tour campus and eat lunch in the dining hall. In 2023-24, GSSM hosted 670 students and 98 teachers on campus.
- STEM Days on the Go: the Outreach team travels to 3rd-10th grade classrooms across the state to provide inquiry-based STEM learning experiences. In 2023-24, the team visited 4,182 students at 56 schools across South Carolina.
- <u>INSIDE GSSM</u>: an annual open house for students of all ages and their families across the state to experience GSSM while participating in interactive activities led by students, faculty, and staff. In 2023-24, 250 students and 217 adults participated in INSIDE GSSM.

AGENCY NAME:	South Carolina Governor's School for Science and Mathematics								
AGENCY CODE:	H650	SECTION:	10						

- GoSciTech Residential Camp: STEM summer camps for middle and high school students held on the GSSM campus, taught by GSSM and university educators; participating students are immersed in hands-on study of their course topic, with options including anatomy, robotics, astrophysics, programming, and more. In summer 2024, 436 students participated in GoSciTech Residential over three weeks.
- GoSciTech Day Camp: STEM summer camps for middle school students held in locations across the state in partnership with the SC Technical College System; participating students study their choice of 3D animation, engineering, game design, or human biology through interactive curricula developed by GSSM and taught by public school teachers, who also take the curriculum back to their classrooms for future use. In summer 2024, 290 students participated in GoSciTech Day Camps, which were hosted at 10 of South Carolina's Technical College Campuses.
- GoSciTech Virtual Camp: STEM summer camps for middle and high school students held online; students learn from GSSM and university educators via Zoom and work on hands-on projects offline. In summer 2024, 76 students participated in GoSciTech Virtual over two weeks.

GSSM's Outreach programs are designed to promote STEM education across the state, allowing the institution to scale its expertise and resources beyond the residential and virtual programs. The institution's substantial Outreach portfolio is designed to kindle interest in STEM at a young age and provide opportunities for each student to develop important skills that promote lifelong learning, such as critical thinking, problem-solving, teamwork, and communication. The value of these programs is apparent in the 2024 summer camp students:

- 87% increased their knowledge and understanding of STEM concepts;
- 76% increased their understanding of the real-world applications of STEM;
- 80% improved their critical thinking skills; and,
- 74% improved their problem-solving, teamwork, and communication skills.

GSSM intends to expand its emerging partnership with the South Carolina Technical College System by offering GoSciTech Day Camps at all 16 technical college campuses in the summer of 2025. Offering camps at these locations increases GSSM's statewide impact by increasing program accessibility and enhancing participation by students and teachers across the state. This partnership further benefits the state by increasing the exposure of South Carolina's students to the technical college system and helping students and their families understand the importance of these institutions to the state's workforce and economic development efforts.

Risk Assessment and Mitigation Strategies

GSSM provides uniquely advanced educational opportunities in multiple settings to highly capable students across the state. Its goals and objectives are focused on enhancing quality, availability, and access to STEM education statewide. Failure to accomplish these goals and objectives would mean that GSSM is not providing top-tier education, that its programs are not available in areas where students who need them live, or that, where they are available, they are not equally accessible to all students.

Thanks to historically strong support from the state legislature, private partnerships, and an active community of parents and alumni, GSSM is well-positioned to achieve its goals with excellence. GSSM's future success depends on continued investment in its mission to better allow the institution to expand its programmatic offerings and scale its impact as a statewide educational resource. Additional support of its programs, especially the growth of its physical campus and Research and Outreach initiatives, is key to GSSM's ability to identify and nurture talented students to lead the state's knowledge economy and workforce development efforts.

AGENCY NAME: South Carolina Governor's School for Science and Mathematics H650 SECTION: AGENCY CODE: 10 SOUTH CAROLINA GOVERNOR'S SCHOOL FOR Governor and General Assembly of the State of South Carolina **GSSM Board of GSSM Foundation Trustees Board of Directors** Bridget Lloyd Beth Dinndorf Daniel S. Dorsel, '90 Executive Foundation CEO and President Assistant **Executive Director** Elizabeth Oswald-Sease Randy LaCross Jennifer Blair **Emilye Mobley Neval Erturk** Senior VP for Outreach VP for Finance and **VP for Enrollment VP for Student VP for Academics** and Global Learning Operations (CFO) Development Residential Program Recruitment Residence Life **Matt Martin** · Partnerships with Finance Dean of Curriculum Strategies and Industry and School and Instruction · Accelerate Program Initiatives · Health Services and Districts · Human Resources Wellness · Campus Tours and STEM Foundations · Residential and Legislative Affairs Department Shadow Program Community Statewide Summer Chairs · College Counseling Engagement Procurement and Risk Camps Faculty Curriculum Residential and and Advising Management Committee · Student Activity Center Virtual Admissions · Academic-Year Faculty · Research and Inquiry Educational Institutional Professional Retention Music and Arts Opportunities Effectiveness Growth · Academic Teams and

Athletics

Enrollment

· Marketing and

Communications

· Teacher Professional

Development

· Global Initiatives

Operations:

Technology

Facilities

Dining Hall

Public Safety

Academic

Academic

Advising

Integrity

Competitions

Student Success

Registrar

Reorganization and Compliance

as submitted for the Accountability Report by:

Primary Contact

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Agency Mission				Adopted in: asforming education in science, mathem	2018
cultivates joy in learn	ning and builds the confidence	e to engage as ethical lead	ders with the world'	's most significant issues.	
Agency Vision				Adopted in:	2018
None Agency intention	ons for reorganization on the succeed of the succeed of the succeed of the succeed on the succee	rganization to divis		ents, or programs to allow the	agency to operate mor
Significant even	ts related to the agenc	y that occurred in 1	FY2024		
Descr No significant events	ription of Event	Start	End	Agency Measures Impacted	Other Impacts
reports to the Lo	egislative Services Age -2-20).			res submission of certain e State Library? (See also S.C.	Yes
Reason agency is ou applicable)	t of compliance: (if				
to the Departme	ent of Archives and His 30) and the South Caro	story? See the Pub	lic Records Ac	cords, including electronic one t (S.C. Code Ann. § 30-1-10 cions Act (S.C. Code Ann. § 26	Vac
Does the law all	ow the agency to prom	ulgate regulations	?		No
Law number(s) which	ch gives the agency the gate regulations:				
Has the agency	promulgated any regu				No
Has the agency in		Code Ann. § 1-23-1	20 (J), which r	requires an agency to conduct	

Strategic Plan Results

FY2024

as submitted for the Accountability Report by

Goal 1 Provide the best advanced education for S.C.'s most selective students

Goal 2 Provide the best advanced education for S.C.'s most selective students

Goal 3 Lead in the development and delivery of statewide academic opportunities that support and improve achievement via GSSM Research and Outreach Center programs and initiatives

Perf. Measure Number	Description	Base	Target	Actual	Value Type	Desired Outcome	Time Applicable	Calculation Method	Data Source	Data Location	Stakeholder Need Satisfied	Primary Stakeholder	State Funded Program Numbe Responsible	r Notes
1.1	Provide the best credentialed and most	experienced tea	achers in all sub	bjects							: Education, Training, and H			
1.1.1	Hire teachers with minimum Master's degrees, PhD's preferred in their areas - appropriate to full-capacity growth of student body.	100%	100%	100%	Percent	Maintain range	State Fiscal Year	% of Masters/PhD/Faculty	School Records	Human Resources	A well-educated faculty experienced in higher education.	GSSM Students	5001.000000.000	
1.1.2	Maintain low student to teacher ratio, reported as average number of students per teacher.	9-1	9-1	8-1	Ratio	Maintain range	State Fiscal Year	Students/Teachers	School Records	Human Resources	College level courses taught to high school students.	GSSM Students	5001.000000.000	
1.1.3	100% of GSSM grads admitted undergraduate school	100%	100%	100%	Percent	Maintain range	Other	Number of students admitted to undergraduate school	School Records	College Counseling	Ensure that GSSM students will receive the opportunity for a postsecondary education.	GSSM Students	5001.000000.000	
1.2	Continually advance curriculum offerin	ngs in the reside	ntial, virtual ar	nd outreach pr	ograms	<u> </u>	ļ			State Objective	: Education, Training, and H	luman Development		
1.2.1	Identify and attract larger pools of talented students to reach through outreach programs	2,800	2,925	6,525	Count	Equal to or greater than	Other	Number of virtual/outreach students	School Records	GSSM Outreach	Accessibility to GSSM educational programs.	South Carolina Students	5001.000000.000	
1.2.2	Continue to maintain or increase engineering offerings at GSSM.	18	18	18	Count	Equal to or greater than	Other	Number of engineering courses at GSSM.	School Records	GSSM Academics	To prepare GSSM students for college engineering programs and engineering careers.	GSSM Students	5001.000000.000	
1.2.3	Identify and attract larger pools of talented students to reach through virtual programs	142	135	101	Count	Equal to or greater than	Other	Number of Accelerate, TEAM UP students and STEM Scholar students.	School Records	GSSM Accelerate/TEAM UP	Provide STEM education to students in their home districts throughout the state.	South Carolina Students	5001.000000.000	GSSM is in the process of evaluating and reorganizing its virtual programs to better meet the needs of South Carolina students. This resulted in lower enrollment than was originally planned.
1.2.4	Deliver foundational math and other STEM courses in a synchronous virtual format to students around the state	151	160	S	Count	Equal to or greater than	Other	Number of SVC students (fall + spring)	School Records	GSSM Synchronous Virtual Courses (SVC)	Provide STEM education to students in their home districts throughout the state.	GSSM Virtual Students	5001.000000.000	GSSM is in the process of evaluating and reorganizing its online courses to better meet the needs of South Carolina students. This resulted in substantially lower enrollment than was originally planned.
1.3	Provide a safe and supportive teaching	environment wi	ith technology		-	·	<u> </u>			State Objective:	: Education, Training, and H	luman Development		
1.3.1	Schedule facility repair in teaching spaces to allow for zero teaching downtime for instruction	0%	0%	0%	Percent	Maintain range	State Fiscal Year	% of instructional time stopped due to facility issues	School Records	GSSM Operations	Avoid disruption of the educational process due to operational improvements.	GSSM Residential Students	5001.000000.000	

Perf.						Desired							State Funded Program Numbe	
Measure Number	Description	Base	Target		villae Type	Outcome		Calculation Method	Data Source		Stakeholder Need Satisfied		Responsible	Notes
1.3.2	Upgrade IT networks and in-	92	% 929	6 92%	Percent	Equal to or greater than	State Fiscal Year	% of technology equipment and infrastructure within its useful	School Records	GSSM IT	Provide students with high	GSSM Students	5001.000000.000	
	classroom/lab IT to support instruction					greater than		life			level technology to meet the needs of the curriculum			
											needs of the currentum			
2.1	Conduct Extracurricular Programs app	vonviete te e	n acadomically	fooused resident	ial high sahaal					State Objective	Education, Training, and H	uman Davalanment		
2.1	Conduct Extracurricular Frograms app	огоргіате то а	n academicany-	locused resident	iai nign school					State Objective:	Education, Fraining, and fi	uman Development		
2.1.1	Increase student participation on athletic	72	% 75%	6 75%	Percent	Equal to or	State Fiscal Year	% of residential students	School Records	GSSM Residential	Provide opportunities for	GSSM Residential Students	5001.000000.000	
	teams by providing sports that support					greater than		participating in SCHSL			students to participate in			
	student interests and abilities							athletics			athletic events on a interscholastic level.			
											interscholastic level.			
2.1.2	Increase student participation in clubs	95	% 96%	6 96%	Percent	Equal to or	State Fiscal Year	% of students involved in clubs	School Records	GSSM Residential	Provide opportunities for	GSSM Residential Students	5001.000000.000	
	and organizations by providing					greater than		and organizations			students to explore and			
	opportunities that match student interests										develop other interests			
	and abilities										outside of class.			
2.2	Create arts and music programs suppor	ting students	s interests and ta	lents						State Objective:	Education, Training, and H	uman Develonment		
2.2.1	Maintain specialized art and music		2	2 2	Count	Equal to or	State Fiscal Year	Number of teachers for art and	School Records	Human Resources	Provide opportunities for	GSSM Residential Students	5001.000000.000	
	instructors to foster student development					greater than		music			students to develop other			
	in art & music										talents and meet GSSM graduation requirements.			
											graduation requirements.			
2.3	Ensure physical and mental health of st	udents	_	1						State Objective:	Education, Training, and H	uman Development		
			_											
2.3.1	Provide mental health licensed	2	1.5 2.:	5 3	Count	Equal to or	State Fiscal Year	Number of mental health	School Records	Health Services	Provide students with well-	GSSM Residential Students	5001.000000.000	
	professionals to support mental health of the students					greater than		professionals with a PhD/MD			trained mental health professionals on campus.			
	the students										professionals on campus.			
2.3.2	Provide extensive qualified nursing			4 14	Count	Equal to or	State Fiscal Year	Number of weekday and	School Records	Health Services	Meet the health needs of our	GSSM Residential Students	5001.000000.000	
2.3.2	services to include medication	·	14 1	14	Count	greater than	State Fiscal Tear	weekend shifts nurses are	School Records	riealth Services	residential students on	GSSW Residential Students	3001.000000.000	
	management					8		available to provide health care			campus.			
3.1	Enhance GSSM's advanced research pr	ogram oppor	tunities for resid	dential students						State Objective:	Education, Training, and H	uman Development		
3.1.1	Increase diverse research opportunities at	1	20 20	34	Count	Equal to or	Other	Number of research sites	School Records	GSSM Residential	Provide opportunities for	GSSM Students	5001.000000.000	
	state, national and international universities and/or industrial sites					greater than					students to learn outside the classroom through real-			
	universities and/or industrial sites										world research experiences.			
											world research experiences.			
3.1.2	Provide research opportunities for virtual	1	14 1:	3 11	Count	Equal to or	Other	Number of virtual students	School Records	Accelerate Program	Provide opportunities for	GSSM Virtual Students	5001.000000.000	
	students					greater than		participating in research			students to learn outside the			
											classroom through real- world research experiences.			
	1					1					world research experiences.			
3.2	Enhance and expand high-quality state	wide academi	ic programs dev	eloped and deliv	ered by the GS	SSM Outreach	Center			State Objective:	Education, Training, and H	uman Development		
3.2.1	Increase programs translate and "		sol c	217	Count	Equal to	Other	Number of students	School Records	Outreach	Toront both re	South Carolina School Districts	5001.000000.000	GSSM expanded the scope of this
3.2.1	Increase programs targeted to specific age and demographic groups	l '	ou 6	217	Count	Equal to or greater than	otner	Number of students participating in virtual classes	School Records	Outreach	Target both younger students and students in underserved	South Carolina School Districts	5001.000000.000	GSSM expanded the scope of this performance measure to include
	and demographic groups					greater than		paracipating in virtual classes			and students in underserved areas of the state to			students who participated in virtual
	1			1							experience STEM education			afterschool programs and virtual
	ĺ					1					both on-campus and at their			summer camps.
	1					1					home districts.			
	1	l		1	1	l	l .	ı		l			l .	

Perf. Measure Number	Description	Base	Target	Actual	Value Type	Desired	Time Applicable	Calculation Method	Data Source	Data Location	Stakeholder Need Satisfied	Primary Stakeholder	State Funded Program Number Responsible	Notes
3.2.2	Increase Outreach partners, both at schools & districts, and with business partners.	102			Count	Equal to or greater than	Other	Number of school districts	School Records	GSSM Outreach	Provide opportunities for students to experience STEM education both on- campus and at their home districts.	South Carolina School Districts	5001.000000.000	GSSM restructured its summer camp delivery mechanism, which resulted in the consolidation of some existing partnerships.
	Continue to grow Accelerate Engineering Statewide program	21	22	21		Equal to or greater than		Number of sites participating for the Accelerate Engineering Program	School Records	GSSM Accelerate/TEAM UP	Expand STEM opportunities for our school districts.	South Carolina School Districts	5001.000000.000	

FY2025

Strategic Plan Development

as submitted for the Accountability Report by

H650 - Governor's School for Science and Math

Goal 1 Provide advanced education for South Carolina's most academically motivated students

Goal 2 Operate a residential campus supportive of students in activities, character development, and safety

Goal 3 Serve as a statewide resource for K-12 students and educators

Perf.				Desired							State Funded Program Number	
leasure Number	Description		Target Value Type		Time Applicable	Calculation Method	Data Source		Stakeholder Need Satisfied			Notes
	Provide highly credentialed and experi	enced teachers	in all subjects					State Objective:	Education, Training, and Hu	man Development		
1.1.1	Teachers with advanced degrees in their	100%	100% Percent	Maintain	State Fiscal Year	Percent of faculty members	School Records	Human Resources	A well-educated faculty	GSSM Students	5001.000000.000	
1.1.1	discipline and/or demonstrated	10076	10078 Fercent	range	State Piscal Teal	who hold advanced degrees in	School Records	Human Resources	experienced in higher	GSSW Students	3001.000000.000	
	equivalent work experience					their discipline and/or have			education.			
						significant work experience in their discipline						
						their discipline						
1.1.2	Teachers engaging in professional	100%	100% Percent	Maintain	State Fiscal Year	Percent of faculty members	School Records	Academics	A well-educated faculty	GSSM Students	5001.000000.000	
	development opportunities			range		who participated in at least one professional development			experienced in higher education.			
						opportunity during the report			education.			
						year						
	Continually enhance curriculum offerio	ngs in the reside	ential virtual and outreach	nrograms				State Objective:	Education, Training, and Hu	man Develonment		
	Continuing commerce curriculum oriera	ngs in the reside	them, the tune and out them	,, og				State Objective.	Lucution, Training, and Tra	mun Development		
1.2.1	Maintain or increase high-impact	73%	100% Percent	Equal to or	Other	Percent of residential students	School Records	Academics	Preparation for college and	GSSM Students	5001.000000.000	
	practices at GSSM			greater than		participating in at least two high-impact offerings by the			careers.			
						time they graduate						
122					0.1	N. I. commit	0.1 10 1		D	000110	#004 000000 000	
1.2.2	Maintain or increase statewide online STEM offerings	8	8 Count	Equal to or greater than	Other	Number of STEM courses offered through Online Courses	School Records	Academics	Preparation for college and careers.	GSSM Students	5001.000000.000	
	5 12.11 one mgs			greater than		program			careers.			
1.2.3	Maintain or increase STEM Outreach	115	150 Count	Equal to or	Other	Number of school-year	School Records	Outreach	Provide hands-on STEM	South Carolina Students	5001.000000.000	
	opportunities during the school year			greater than		outreach program instances			education experiences for			
									elementary and middle school students.			
									school students.			
1.2.4	Maintain or increase STEM Outreach	15	20 Count	Equal to or	Other	Number of summer outreach	School Records	Outreach	Provide hands-on STEM	South Carolina Students	5001.000000.000	
	opportunities during the summer			greater than	1	program instances			education experiences for			
					1				elementary and middle school students.			
	Provide a safe and supportive learning	environment						State Objective:	Education, Training, and Hu	man Development		
1.3.1	Maintain low student to teacher ratio	9-1	9-1 Ratio	Equal to or	Other	Average number of students	School Records	Academics	Supportive learning	GSSM Students	5001.000000.000	
				greater than	1	per teacher			environment.			
					1							
1.3.2	Maintain small class sizes	10	10 Count	Maintain	Other	Average number of students per class section in the	School Records	Academics	Supportive learning environment.	GSSM Students	5001.000000.000	
				range	1	per class section in the residential program			environment.			
						1 0						
1.3.3	Maintain or increase Launchpad summer	30	30 Count	Equal to or	Other	Number of incoming	School Records	Academics	Supportive learning	GSSM Students	5001.000000.000	
1.0.0	bridge program	30	Jorcount	greater than		residential juniors participating	_311001 11000143	1 toutonies	environment.	CODIT DIAGONA	3001.00000.000	
					1	in Launchpad						
			1		1	1		1	l l		I	

Perf.				Desi								State Funded Program Number	
Measure Number 1.3.4	Description Maintain or increase availability of peer	Base 70		Value Type Out Count Equa		Other	Calculation Method Number of residential students	Data Source School Records	Data Location Academics	Stakeholder Need Satisfied Supportive learning	Primary Stakeholder GSSM Students	Responsible 5001.000000.000	Notes
1.5.4	tutors	/0	/ //		ter than	Oulei	serving as peer tutors	School records	Academies	environment.	GSSW Students	5001.000000.000	
1.4	Enhance GSSM's advanced research p	rogram opport	tunities for studen	nts					State Objective:	Education, Training, and H	uman Development		
1.4.1	Increase research opportunities at state,	30	35 0	Count Equa	al to or	Other	Number of research sites	School Records	Academics	Opportunities to learn	GSSM Students	5001.000000.000	
	national, and international universities				ter than					outside the classroom			
	and/or industrial sites									through real-world research experiences.			
										experiences:			
1.4.2	Provide research opportunities for virtual	10	12 0			Other	Number of virtual program	School Records	Academics	Opportunities to learn	GSSM Students	5001.000000.000	
	students			grea	ter than		students participating in research			outside the classroom through real-world research			
							research			experiences.			
1.4.3	Establish and maintain on-campus research opportunities for students	1	1 0		al to or ter than	Other	Number of on-campus, not-for- credit research opportunities	School Records	Academics	Opportunities to learn outside the classroom	GSSM Students	5001.000000.000	
							available for students			through real-world research			
										experiences.			
1.5	Ensure student preparation for higher	education							State Objective:	Education, Training, and H	uman Development		
1.5.1	Graduates admitted to institutions of higher education	100%	100% P		al to or ter than	Other	Percent of graduates who were admitted to at least one	School Records	Academics	Opportunity for a postsecondary education.	GSSM Students	5001.000000.000	
	inglier education			grea	ter than		undergraduate institution			postsecondary education.			
2.1	Conduct extracurricular programs app	ropriate to an	academically foc	used residential hi	igh school				State Objective:	Education, Training, and H	uman Development		
244	here a second	7.50	l ggadh	- In		0	D	0.1 10 1		la company	000110	#004 000000 000	
2.1.1	Maintain or increase student participation on athletic teams by providing sports that	75%	75% P		al to or ter than	State Fiscal Year	Percent of residential students participating in SCHSL	School Records	Student Development	Opportunities to participate in athletic events on a	GSSM Students	5001.000000.000	
	support student interests and abilities						athletics			interscholastic level.			
2.1.2	Maintain or increase student participation	95%	95% P			State Fiscal Year	Percent of residential students	School Records	Student Development		GSSM Students	5001.000000.000	
	in clubs and organizations by providing opportunities that match student interests			grea	ter than		involved in clubs and organizations			develop other interests outside of class.			
	and abilities						ŭ						
2.1.3	Maintain or increase student participation	25%	25% P	Percent Equa	al to or	State Fiscal Year	Percent of residential students	School Records	Academics	Opportunities to explore and	GSSM Students	5001.000000.000	
	in academic competition teams			grea	ter than		involved in academic			develop other interests			
							competition teams			outside of class.			
2.2	Ensure physical and mental health of st	tudents							State Objective	Education, Training, and H	uman Develonment		
	Disare physical and memai health of st	dents							State Objective:	Luacation, Franking, and fi	aman Development		
2.2.1	Provide mental health licensed	3	3 0		al to or	State Fiscal Year	Number of licensed	School Records	Human Resources	Provide students with well-	GSSM Students	5001.000000.000	
	professionals to support mental health of the students			grea	ter than		professional counselors			trained mental health professionals on campus.			
2.2.2	Provide extensive qualified nursing	14	14 (Count Equa	al to or	State Fiscal Year	Number of shifts during which	School Records	Student Development	Meet the health needs of	GSSM Students	5001.000000.000	
2.2.2	services to include medication	14	140		ter than		nurses are available to provide	Senson Records	_ addin Development	residential students on	GOS. A Diddella	2001.000000.000	
	management						health care			campus.			
3.1	Serve talented and motivated students	across South C	arolina						State Objective:	Education, Training, and H	uman Development		
3.1.1	South Carolina students benefitting from	6,500	6,600 C	Count Fare	al to or	Other	Number of students who	School Records	Outreach	Provide STEM education to	South Carolina Students	5001.000000.000	
5.1.1	outreach experiences	0,500	0,000		ter than	Calci	participated in outreach	School Records	Guitatii	students throughout the	South Carollia Students	5001.000000.000	
							programs			state.			
-	•						•		•			•	

Perf. Measure Number				Value Type			Calculation Method	Data Source		Stakeholder Need Satisfied	<u> </u>		Notes
3.1.2	Meet the demonstrated financial need of students in residential, online, and outreach programs	100%	100%	Percent	Equal to or greater than	Other	Percent of students whose financial aid needs were met	School Records	Finance; Outreach	Ensure access to quality STEM education regardless of socioeconomic status or ability to pay required fees.	South Carolina Students	5001.000000.000	
3.1.3	Students from underserved areas who participated in GSSM residential, online, and outreach programs	3,500	4,000	Count	Equal to or greater than	Other	Number of students from underserved areas participating in residential, online, and outreach programs	School Records	Academics; Outreach	Provide STEM education to students throughout the state.	South Carolina Students	5001.000000.000	
3.1.4	Counties in which students participating in residential, online, and outreach programs reside	44	46	Count	Equal to or greater than	Other	Number of counties in which students participating in residential, online, and outreach programs reside	School Records	Academics; Outreach	Provide STEM education to students throughout the state.	South Carolina Students	5001.000000.000	

Budget Data

State Funded Program No.	State Funded Program Title	Description of State Funded Program	(Actual) General	(Actual) Other	(Actual) Federal	(Actual) Total	(Projected) General	(Projected) Other	(Projected) Federal	(Projected) Total
5001.000000.000	Governor's School for Science and Mathematics	Education of academically talented students with accelerated instruction of STEM courses.	\$ 16,353,155.00	\$ 3,660,076.00	\$ -	\$ 20,013,231.00	\$ 18,349,016.00	\$ 2,312,349.00	s -	\$ 20,661,365.00

Legal Data

as submitted for the Accountability Report by:

Law number	Jurisdiction	Туре	Description	Purpose the law serves:	Notes:	Changes made during FY2024
		Statute	· · ·	Requires a service	Accelerated instruction in mathematics and science in a residential educational setting.	
59-48-20	State	Statute	Board of trustees; appointment; term of office; compensation.	Board, commission, or committee on which someone from our agency must/may serve		No Change
CHAPTER 48. HISTORY: 1987 Act No. 170, Part II, Section 23.	State	Statute	Establish School and Governing Body 1987	Board, commission, or committee on which someone from our agency must/may serve		No Change
Proviso 1.88	State	FY 2021-22 Proviso	GSSM will develop a plan to operate the school separately from the Department of Education.	Requires a manner of delivery		No Change
Proviso 10.2	State	FY22-23 Proviso	(GSSM: Leave Policy) The Governor's School for Science and Mathematics shall be authorized to promulgate administrative policy governing annual and sick leave relative to faculty and staff with the approval of their board of directors. This policy shall address their school calendar in order to comply with the instructional needs of students attending the special school.	Requires a manner of delivery	Formerly Proviso 1.21	No Change

Law number	Jurisdiction	Torre	Description	Purpose the law serves:	Notes	Changes made during FY2024
Proviso 10.3	State	Type FY22-23 Proviso	(GSSM: Schools' Fees) The Governor's School for Science and Mathematics shall be authorized to charge, collect, expend, and carry forward student fees as approved by their Board of Directors. The purpose and amount of any such fees shall be to maintain program quality in both academics and residential support. No student shall be denied admittance or participation due to financial inability to pay. The Board of Directors shall promulgate administrative policy governing the collection of all student fees. The school shall conspicuously publish a fee schedule on their website. All student fees must be reported by August first of the current fiscal year to the Governor, the Chairman of the Senate Finance Committee, and the Chairman of the House Ways and Means Committee.	Funding agency deliverable(s)	Formerly Proviso 1.28	No Change
Proviso 10.4	State	FY22-23 Proviso	(GSSM: Residency Requirement) Of the funds appropriated, the Governor's School for Science and Mathematics shall ensure that a parent(s) or guardian(s) of a student attending the Governor's School for Science and Mathematics must prove that they are a legal resident of the state of South Carolina at the time of application and must remain so throughout time of attendance. The Governor's School for Science and Mathematics may not admit students whose parent(s) or guardian(s) are not legal residents of South Carolina.		Formerly Proviso 1.43	No Change

Law number	Jurisdiction	Type	Description	Purpose the law serves:	Notes:	Changes made during FY2024
Proviso 10.5	State	FY22-23 Proviso	(GSSM: Informational Access to Students) For the current fiscal year, school districts must permit the Governor's School for Science and Mathematics to collaborate with individual schools and their staff to share information with students and families about the educational opportunities offered at the Governor's School through avenues including school visits, informational presentations, and posters. By June thirtieth of the current fiscal year, the Governor's School for Science and Mathematics must report to the Chairman of the Senate Finance Committee and the Chairman of the House Ways and Means Committee the results of these informational access efforts. Further, the Governor's School shall work with districts, the Department of Education, and School Report Card administrators to ensure that SAT scores of current Governor's School students are included in the School Report Card of those students' resident schools and districts.	Report our agency must/may provide	Formerly Proviso 1.58	No Change
Proviso 10.6	State	FY22-23 Proviso	10.6. (GSSM: Telepsychiatry) The Governor's School for Science and Mathematics shall establish and maintain, with the Department of Mental Health and the Medical University of South Carolina, a contractual relationship to provide psychiatric services from a licensed psychiatrist for its students upon the request of a student or the recommendation of a school employee who provides mental health services to students. The psychiatric services may be provided in person or through the use of telepsychiatry. The interactions between students and the psychiatrist shall be HIPPA compliant. Psychological fitness for continued attendance at the school shall be determined solely by the psychiatrist providing psychiatric services to a student. A student who receives psychiatric services from a psychiatrist may continue to receive those services in lieu of receiving services as provided for in this provision.	Funding agency deliberable(s)		Added
Proviso 10.1	State	FY22-23 Proviso	10.1. (SDE: Governor's School for Science & Math) Any unexpended balance on June thirtieth of the prior fiscal year of funds appropriated to or generated by the Governor's School for Science and Mathematics may be carried forward and expended in the current fiscal year pursuant to the direction of the board of trustees of the school.	Funding agency deliverable(s)	Formerly Proviso 1.7	No Change

Law number	Jurisdiction	Type	Description	Purpose the law serves:	Notes:	Changes made during FY2024
Proviso 117.15	State	FY22-23 Proviso	117.15. (GP: Allowance for Residences & Compensation Restrictions) That salaries paid to officers and employees of the State, including its several boards, commissions, and institutions shall be in full for all services rendered, and no perquisites of office or of employment shall be allowed in addition thereto, but such perquisites, commodities, services or other benefits shall be charged for at the prevailing local value and without the purpose or effect of increasing the compensation of said officer or employee. The charge for these items may be payroll deducted at the discretion of the Comptroller General or the chief financial officer at each agency maintaining its own payroll system. This shall not apply to the Governor's Mansion, nor to guards at any of the state's penal institutions and nurses and attendants at the Department of Disabilities and Special Needs, and registered nurses providing clinical care at the MUSC Medical Center, nor to the Superintendent and staff of John de la Howe School, nor to the Ill-time or part-time staff who work after regular working hours in the SLED Communications Center or Maintenance Area, nor to adult staff at the Governor's School for Arts and Humanities who are required to stay on campus by the institution because of job requirements or program participation. Any state institution of higher learning may provide complimentary membership privileges to employees who work at their wellness centers. The presidents of those state institutions of higher learning authorized to provide on-campus residential facilities for students may be permitted to occupy residences on the grounds of such institutions without charge.	Requires a manner of delivery		No Change
Proviso 117.43	State	FY22-23 Proviso	117.45. (GP: Facility Rental Fee) The Governor's School for the Arts and Humanities, Governor's School for Science and Mathematics, Wil Lou Gray Opportunity School, and John de la Howe School are authorized to charge, collect, expend and carry forward fees charged for facility and equipment rental and registration	Funding agency deliverable(s)		No Change

Law number	Jurisdiction	Type	Description	Purpose the law serves:	Notes:	Changes made during FY2024
Proviso 1A.4	State	FY22-23 Proviso	1A.4 (SDE-EIA: Teacher Salaries/State Agencies) Each state agency which does not contain a school district but has instructional personnel shall receive an appropriation as recommended by the Education Oversight Committee and funded by the General Assembly for teacher salaries based on the following formula: Each state agency shall receive such funds as are necessary to adjust the pay of all instructional personnel to the appropriate salary provided by the salary schedules of the school district in which the agency is located. Instructional personnel may include all positions which would be eligible for EIA supplements in a public school district, and may at the discretion of the state agency, be defined to cover curriculum development specialists, educational testing psychologists, psychological and guidance counselors, and principals. The twelve-month agricultural teachers located at Clemson University are to be included in this allocation of funds for base salary increases. The South Carolina Governor's School for the Arts and Humanities and the South Carolina Governor's School for Science and Mathematics are authorized to increase the salaries of instructional personnel by an amount equal to the percentage increase given by the School District in which they are both located.	Report our agency must/may provide		No Change
Proviso 10.1	State	FY22-23 Proviso	(GSSM: Carry Forward) Any unexpended balance on June thirtieth of the prior fiscal year of funds appropriated to or generated by the Governor's School for Science and Mathematics may be carried forward and expended in the current fiscal year pursuant to the direction of the board of trustees of the school.	Funding agency deliverable(s)		No Change
Proviso 10.6	State	FY22-23 Proviso	(GSSM: Telepsychiatry) The Governor's School for Science and Mathematics shall establish and maintain, with the Department of Mental Health and the Medical University of South Carolina, a contractual relationship to provide psychiatric services from a licensed psychiatrist for its students upon the request of a student or the recommendation of a school employee who provides mental health services to students. The psychiatric services may be provided in person or through the use of telepsychiatry. The interactions between students and the psychiatrist shall be HIPPA compliant. Psychological fitness for continued attendance at the school shall be determined solely by the psychiatrist providing psychiatric services to a student. A student who receives psychiatric services from a psychiatrist may continue to receive those services in lieu of receiving services as provided for in this provision	Requires a manner of delivery		No Change

Services Data
as submitted for the Accountability Report by:
H650 - Governor's School for Science and Math

Description of Service	Description of Direct Customer	Customer Name	Others Impacted by Service	Division or major organizational unit providing the service.	organizational unit providing the service.		Changes made to services during FY2024	Summary of changes to services
Advanced Educational Programs	General Public and subsections to include families with school-age children appropriate for GSSM program Participation.		Higher Education, Business Partners, General Public	Academics	Advanced Curriculum and Training	Fewer opportunities for advanced STEM education.	No Change	
Provide Residential Environment for Well-being and Development	Families with school-age children appropriate for GSSM program Participation.	South Carolina Students		Life in Residence	Provide Residential Environment for Well- being and development of students staying on-campus	High-level educational process will be compromised and hinder learning.	No Change	
Advanced Educational Programs - Statewide, grades 7-12, Teacher Development & Growth	General Public and subsections to include families with school-age children appropriate for GSSM program Participation.		Higher Education, Business Partners, General Public, School Districts		Statewide Educational Programs for students and Teachers, to include Engineering, Summer Camps, 9th grade Algebra II, Professional Development for Teachers and Distance Education in Advanced Courses.	Fewer opportunities to expose younger students to STEM opportunities provide by GSSM.	No Change	
Meet Reporting and Stewardship Needs	s General Public and taxpaying citizens of South Caroina		Executive and Legislative Branch, General Public, Business Partners	Administration	Meet Reporting and Stewardship Needs	Risk of underspending or overspending in areas of GSSM.	No Change	

Partnerships Data as submitted for the Accountability Report by:

	100	or s senoor for secence and trach	
Town of Books on Forth	Nove of Body or Budge	Description of Description	
Type of Partner Entity Private Business Organization	Name of Partner Entity Business/Industry Partnerships	Description of Partnership Outreach and Residential efforts and support to include Accelerate Engineering, Economics and Finance, Mandarin Chinese Foreign Language Instruction and many others	Change to the partnership during the past fiscal year No Change
Higher Education Institute	Clemson University	Course equivalency agreements for course credit. Summer Advanced Research placements of GSSM students on campus and with University Scientists	No Change
Higher Education Institute	Coker University	Dual Enrollment agreements for course credit.	No Change
Higher Education Institute	College of Charleston	Summer Advanced Research placements of GSSM students on campus and with University Scientists	No Change
Higher Education Institute	MUSC	Summer Advanced Research placements of GSSM students on campus and with University Scientists	No Change
K-12 Education Institute	S.C. Elementary Schools	Provide Teacher Training and Outreach Programs for teachers and students. Recruit and partner on educational Initiatives	No Change
K-12 Education Institute	S.C. High Schools	Provide Teacher Training and Outreach Programs for teachers and students. Recruit and partner on educational Initiatives	No Change
K-12 Education Institute	S.C. Middle Schools	Provide Teacher Training and Outreach Programs for teachers and students. Recruit and partner on educational Initiatives	No Change
Higher Education Institute	S.C. State	Summer Advanced Research placements of GSSM students on campus and with University Scientists. Teacher Training and Engineering partnerships	No Change
K-12 Education Institute	School Districts in South Carolina	Provide Teacher Training and Outreach Programs for teachers and students. Recruit and partner on educational Initiatives	No Change
Higher Education Institute	University of South Carolina	Course equivalency agreements for course credit. Summer Advanced Research placements of GSSM students on campus and with University Scientists	No Change

Type of Partner Entity	Name of Partner Entity	Description of Partnership	Change to the partnership during the past fiscal year
Higher Education Institute	·		No Change
Higher Education Institute	South Carolina Technical College System	Summer STEM camps.	Add

Reports Data as submitted for the Accountability Report by: H650 - Governor's School for Science and Math

Report Name Annual State Audit	Law Number (if applicable) SECTION 11-7-20	Summary of information requested in the report Policies and Procedures review, Variances in Line Items, Justifications	Date of most recent submission DURING the past fiscal year July 2023	Reporting Frequency Annually	Type of entity/entities South Carolina state agency or agencies	Method to access the report Electronic copy available upon request	Direct access hyperlink or agency contact (if not provided to LSA for posting online) https://osa.sc.gov/wp- conten/uploads/2024/08/Judicial- Dept-2024.pdf	Changes to this report during the past fiscal year No Change	Explanation why a report wasn't submitted
S.C. School Report Card	SECTION 59-18-110	Benchmarks and metrics in comparison to public schools	October 2023	Annually	South Carolina state agency or agencies	Electronic copy available upon request	https://screportcards.com/overvie w/?q=eT0yMDIxJnQ9RCZzaWQ 9NTM5NTAwMA	No Change	
SC Governor's School for Science and Mathematics Annual Budget		Budget Priorities and Justifications - For Approval	September 2023	Annually	South Carolina state agency or agencies	Electronic copy available upon request	Finance and Operations Department 843-383-3901	No Change	
State Budget Request		Budget Priorities and Justifications	September 2023	Annually	Governor or Lt. Governor AND Legislative entity or entities AND South Carolina state agency or agencies	Electronic copy available upon request	Finance and Operations Department 843-383-3901	No Change	
State Human Affairs Commission Report to the General Assembly	SECTION 1-13-110	Hiring and Minority Employment Assessment	February 2024	Annually	Legislative entity or entities AND South Carolina state agency or agencies	Electronic copy available upon request	Finance and Operations Department 843-383-3901	No Change	

AGENCY NAME:	South Carolina Governor's School for Science and Mathematics				
AGENCY CODE:	H650	Section: 10			

2024 Accountability Report

SUBMISSION FORM

I have reviewed and approved the data submitted by the agency in the following templates:

- Data Template
 - o Reorganization and Compliance
 - o FY2024 Strategic Plan Results
 - o FY2025 Strategic Plan Development
 - o Legal
 - o Services
 - o Partnerships
 - o Report or Review
 - o Budget
- Discussion Template
- Organizational Template

I have reviewed and approved the financial report summarizing the agency's budget and actual expenditures, as entered by the agency into the South Carolina Enterprise Information System.

The information submitted is complete and accurate to the extent of my knowledge.

AGENCY DIRECTOR (SIGN AND DATE):	SIGNATURE ON FILE	Signature Received: 09/10/2024
(TYPE/PRINT NAME):	Daniel S. Dorsel	
Board/Cmsn Chair (Sign and Date):	SIGNATURE ON FILE	Signature Received: 09/12/2024
(TYPE/PRINT NAME):	Robert J. Brown	