AGENCY NAME:	SC Governor's School for Science and Mathematics		
AGENCY CODE:	H65	SECTION:	Department of Education-GSSM

Fiscal Year 2019–2020
Accountability Report

SUBMISSION FORM

AGENCY MISSION	The mission of the South Carolina Governor's School for Science and Mathematics (GSSM) is to seek out and advance our state's most talented and motivated students, offering a transforming 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.
AGENCY VISION	GSSM will be recognized as a national leader in K-12 science and mathematics education, known for developing students who are exceptionally well-prepared to engage in global issues as creative and ethical leaders.

Does the agency have any major or minor recommendations (internal or external) that would allow the agency to operate more effectively and efficiently?

	Yes	No
RESTRUCTURING RECOMMENDATIONS:	☐	☒

Is the agency in compliance with S.C. Code Ann. § 2-1-230, which requires submission of certain reports to the Legislative Services Agency for publication online and to the State Library? See also S.C. Code Ann. § 60-2-30.

	Yes	No
REPORT SUBMISSION COMPLIANCE:	☒	☐

Is the agency in compliance with various requirements to transfer its records, including electronic ones, to the Department of Archives and History? See the Public Records Act (S.C. Code Ann. § 30-1-10 through 30-1-180) and the South Carolina Uniform Electronic Transactions Act (S.C. Code Ann. § 26-6-10 through 26-10-210).

	Yes	No
RECORDS MANAGEMENT COMPLIANCE:	☒	☐

Is the agency in compliance with S.C. Code Ann. § 1-23-120(J), which requires an agency to conduct a formal review of its regulations every five years?

	Yes	No
REGULATION REVIEW:	☐	☒

Please identify your agency's preferred contacts for this year's accountability report.

	Name	*Phone*	*Email*
PRIMARY CONTACT:	Brock Heron	843-383-3906	bheron@gssm.k12.sc.us
SECONDARY CONTACT:	Ershela L. Sims, PhD	843-383-1909	esims@gssm.k12.sc.us

I have reviewed and approved the enclosed FY 2019–2020 Accountability Report, which is complete and accurate to the extent of my knowledge.

AGENCY DIRECTOR (SIGN AND DATE):	Signature on file
(TYPE/PRINT NAME):	Ershela L. Sims, PhD

BOARD/CMSN CHAIR (SIGN AND DATE):	Signature on file
(TYPE/PRINT NAME):	Robert Brown

AGENCY'S DISCUSSION AND ANALYSIS

Repeatedly recognized nationally for excellence, GSSM advances academic achievement – and impacts economic development - throughout South Carolina by offering comprehensive residential, virtual, and exemplary outreach programs for students and teachers.

Global Academics: Supported by State and private funds, GSSM continues an international exchange of high school research students with sister high schools and universities in Germany and China.

Accountability Report Highlights:

Maintain Excellence, Outreach expansion and updated the strategic plan.

GSSM Core Values
- *Ethics*
- *Personal responsibility and accountability*
  - ➢ *We build intellectual and moral character in our students.*
  - ➢ *We are a team of highly talented individuals pursuing student-centered excellence*
  - ➢ *And help each other to do so too*
- *Strong belief in evidence-based learning, questioning and discovering*
- *Love of beauty, creativity, imagination & each other*
- *We will impact and improve education throughout South Carolina.*

GSSM is Strong and Growing Stronger – Residential Students and Graduates:
- *100% admitted to college*
- *77% of alumni works in STEM fields*
- *77% of alumni works in their field of study*
- *70% of alumni pursue advanced degrees*
- *84% of alumni major in a STEM field*
- *37% of alumni are currently in careers in SC*
- *2019 – 2020 return to "full capacity."*

Strong – Alumni
- *Engineers*
- *Corporate careers - examples: Google, Microsoft, General Electric, Westinghouse, Exxon*
- *Scientists*
- *Medical careers*
- *Entrepreneurs*
- *Academicians*

GSSM Source of Strength – Faculty / Staff
- *Credentialed and accomplished (All have Masters, 90% hold PhD's)*
- *Exemplify excellence and expect it from others*
- *Faculty and staff define their success by students' success*
- *Shared goals, clear responsibilities*
  - *Learning and mastery*
  - *Growth and maturity*
  - *College and life*

Virtual Engineering
Accelerate, TEAM UP, and SVC
- *Graduated fifth class of seniors who completed the Accelerate program*
- *Modified summer programs to offer virtual research experiences with Clemson faculty for rising seniors*
- *First full year of TEAM UP Virtual Engineering program was successful and the program will have its first cohort of juniors during the 2020-2021 academic year*
- *Admitted the first group of juniors who will join the rising juniors who continued in the program from the 2019-2020 sophomore cohort*
- *Added 2 new district partners for 2020-2021 (Dorchester 4 and Orangeburg)*
- *Expanded the virtual Algebra 2 course program to create the Synchronous Virtual Course program (SVC)*

GSSM Foundations for the Future
- *Research*
  - ✓ *Rising seniors continue to have access to all student research offerings*
  - ✓ *International: Germany and China*
  - ✓ *Continued strengthening and expansion of research sites including Clemson, USC, MIT, MUSC, Furman University, Presbyterian College, USC-Aiken, USC-Lancaster, College of Charleston, Newberry College, Converse College, Wofford College – as well as businesses and other institutions like AVX, Giti Tires, Integrated Systems, Nephron Pharmaceuticals, the SC Department of Natural Resources, and the USDA Agricultural Research Service.*
  - ✓ *Opportunities in diverse fields including molecular biology, medical research, engineering, material science, chemistry computer science, robotics, cyber security, nanoscience, ecology, psychology, archaeology and economics.*
  - ✓ *Growth of school year research opportunities with recognition of quality through peer-reviewed publication and invitations to present at national conferences. On-going projects include Molecular Spectroscopy, Computational Drug Discovery, and Bike to the Future: Examining Emerging Practices and Problems in Mobility and Infrastructure.*

Academic Highlights

1. Course offerings
   a. 116 courses offered as semester or year-long courses.
   b. 65 STEM courses.
   c. 22 College Board approved AP courses.
   d. 23 courses for which an AP course is a pre requisite.
   e. 19 dual enrolled courses.
2. Junior and Senior Seminar Series of one-hour per week courses
   a. Juniors take Life and Leisure, Academic Transition, College Planning I, Public Speaking, Personal Health and Safety Skills, Introduction to Research
   b. Seniors take College Planning II
3. The course credit agreements with Clemson and the University of South Carolina and with Coker University for dual enrolled course credit remain strong and courses are added as appropriate.

4. Launchpad
   a. Summer program for a targeted number of rising juniors admitted to GSSM has continued to provide introductions to English and Math as well as life as GSSM student outside of the classroom for two weeks prior to arriving in the fall.
   b. Program helps students be more prepared to handle the rigors of the academic program at GSSM, especially in the areas of Math, English and Science labs.
   c. Program also includes a transitional piece to help students adjust to living in a residential setting.
5. Accelerate Engineering – Statewide virtual dual enrollment Engineering program for 10th, 11th & 12th Graders. Participants could earn up to 53 hours of college science, English, mathematics and engineering credits through Coker University in 2019-2020. For 2019-2020, Accelerate Engineering had 131 total students, up from 130 in 2018-2019. Our second virtual engineering program TEAM UP—*Teaching Engaging and Advancing Minds for Undergraduate Preparedness*, has less focus on dual enrollment and more focus on preparing students to study engineering in college. Students can earn up to 14 dual enrollment credits.
   - Program Growth continues (New Partnerships for 2020-2021):
     o Chesterfield: Accelerate and TEAM UP partner
     o Latta Schools (Dillon 3): TEAM UP partner
     o Oconee: Accelerate and TEAM UP partner
   - Accelerate: CS111 (Computer Science II) will be added as new dual enrollment elective will be for the 20-21 school year. A complete listing of the Accelerate curriculum can be found here: https://www.scgssm.org/virtual/accelerate/academic-opportunities/courses-and-requirements
   - TEAM UP: the TEAM UP junior and senior year curricula have been finalized. The senior curriculum now includes 4 dual enrollment classes through the Coker College dual enrollment agreement. A complete listing of the TEAM UP curriculum can be found here: https://www.scgssm.org/teamup.
   - Access to SPRI programs for rising seniors continues for all Accelerate students. Accelerate students may continue SPRI projects through their engineering design process class in the fall semester.
   - Eleven Accelerate rising seniors participated in SPRI programs at Clemson, MIT, Clemson & USC-Columbia.

Center for Science Education and Outreach Highlights

Mission Statement for Outreach

The GSSM Center for Science Education & Outreach is a leader in the development and delivery of innovative and exemplary STEM educational experiences that are designed to improve and support the achievement of students and the professional growth of teachers across South Carolina. The Center is a statewide resource of STEM opportunities for SC students and teachers.

Center for Outreach Goals

- Developing students' understanding of the relationship between science, technology, engineering, mathematics, and society;
- Improving the problem-solving and reasoning skills of students;
- Providing opportunities for students and teachers to explore real-world applications of science, technology, engineering, and mathematics;
- Improving content knowledge and pedagogical content knowledge of science and mathematics teachers;
- Encouraging students to explore careers and post-secondary majors in the areas of science, technology, engineering, and mathematics; and
- Encouraging students to consider GSSM as a STEM educational option.

The combined total statewide impact of students, teachers, and parents served by the Center for Outreach through its summer learning opportunities and academic year programming was 8,509 for 2019-2020.

GSSM Outreach is the source for increasing GSSM student involvement for the foreseeable future. The Center for Outreach endeavors are developed and delivered from the support of the State, SC businesses, and private foundations.

Student Global Learning Opportunities & Experiences

- The second phase of our 2019-2020 Research Experience Scholars Program (RESP), which is an international component of our GSSM student research experience started during the 2019 fall semester. GSSM hosted 3 students from the Johanna Wittum Schule located in Pforzheim, Germany and 4 students from the Gymnasium am Rittersberg located in Kaiserslautern, Germany as part of our RESP partnership.
- A total of 7 GSSM residential and virtual students were selected in spring 2020 to participate in 2020 RESP-Germany. The summer research experiences in Germany were cancelled due to COVID-19. Contact with our partner schools has continued. Our RESP 2020 summer partnership with the High School Attached to Shanghai Normal University was also cancelled due to the pandemic.
- Six GSSM residential students participated in a pilot global learning experience project offered in partnership with the USC School of Medicine and the One World Health organization. The GSSM team accompanied by a GSSM biology instructor and a member of our Student Development team joined a team of USC medical, nursing, and pharmacy students in Costa Rica where they learned about delivery health care in an underdeveloped area with high degree of poverty.

Student Research Programs: SPRI & RESP

Due to COVID-19, almost no research institutions could support in-person research by minor students during the summer of 2020. Due to the strength of relationships with GSSM's research partner institutions, enough research opportunities transitioned to virtual/remote research experiences to provide access to a research experience for every student who requested one (student participation in 2020 was voluntary due to COVID-19).

79 GSSM residential students and 11 GSSM Accelerate virtual engineering program students conducted their primarily virtual/remote summer research under the supervision of 38 research groups located in 17 state and national sites. Exit survey success metrics for virtual/remote research compare favorably to prior years.

The GSSM SPRI partnerships with the state's 3 research universities, other colleges/universities, public departments, and businesses are very strong and continue to meet the needs for expanded opportunities. Prior to COVID-19, research opportunities were available with 114 research groups located in 34 state, national and international sites to provide more than the expected need of over 160 research placements for the summer of 2020.

The GSSM Research Experience Scholars Program (RESP), which is an international component of the summer research program, planned programming included 3 research sites in Germany (German Cancer Research Institute, Fraunhofer Institute for Experimental Software Engineering, and the German Institute for Artificial Intelligence) serving 7 students and inquiry projects led by GSSM faculty in the areas of biology and mathematics serving 8 students at the High School attached to Shanghai Normal University (Shanghai, China). Student participation in international research was not possible in 2020 due to COVID-19. Partnerships with partner secondary schools – Johanna Wittum Schule (Pforzheim, Germany) and Gymnasium am Rittersberg (Kaiserslautern, Germany) – and research institutions - German Cancer Research Center (Heidelberg, Germany), German Center for Artificial Intelligence (Kaiserslautern, Germany), and Fraunhofer Institute of Experimental Software Engineering (Kaiserslautern, Germany) – remain strong and prepared to resume research & exchange activities once international travel is possible.

2019-2020 Academic Year (AY) Outreach Impact 8,007 students/teacher supported:

During the 2019-2020 AY, the Center for Outreach served 8,007 students, teachers, and parents through a wide variety of 93 off-campus and on-campus STEM learning experiences and opportunities. The Outreach Center coordinated and delivered our 4th Annual INSIDE GSSM Day.   INSIDE GSSM was created to give younger students opportunities to explore the wonders of STEM and the humanities, as well as to experience the uniqueness and diversity of the GSSM learning community. This event included over 380 participants from 20 counties across SC and over 250 GSSM faculty, staff, and students volunteered to provide 49 unique interactive activities.

The Outreach Center delivered professional development to SC teachers through its Portable Advanced STEM Exploration (PASE) professional development initiative and it conducted a variety of labs for teachers in their classrooms. The team served over 25 teachers and 750 students through these professional develop opportunities. New this year was participation in the 2nd Annual Pathways 2 Possibilities South Carolina event. The Outreach Center team and several staff from other departments provided over 2,000 eighth grade students from 7 SC counties with an interactive *Journey through GSSM* during the two-day event held in Myrtle Beach.

Summer 2020 Outreach Center Learning Experiences:

Before the COVID-19 pandemic forced SC schools and businesses to close in spring 2020 and develop virtual school delivery contingencies and remote working conditions, the GSSM Outreach Center planned to deliver it annual 4-week summer residential GoSciTech STEM program and its two summer satellite STEM programs, iTEAMS and CREATEng, in 18 school district partner sites across SC. The Outreach Center team was challenged to develop a high quality virtual STEM educational learning experience for rising 6th – 10th grade students. The team created 2020 Summer STEM with GSSM. We offered 32 virtual project-based experiences to 502 students representing 38 SC counties.

Below are several quotes from students, instructors, and parents who were a part of 2020 Summer STEM with GSSM. These quotes provide qualitative data for the impact the GSSM Outreach Center is having on young SC students.

- "That it was really great. Thank you for setting up all of this even though you had limitation because of the Corona-virus. It was very fun. Even though it's my last year of doing GSSM Summer Camp, I look forward to my siblings doing it and signing up for residential!" "I would tell them that it is worth missing a sliver of your summer to do it. The teachers were very kind and knew a lot. I would tell them that this class was different than science classes you take in school because this class has you doing experiments every day."
- "The most amazing thing I learned this week was that STEM is even more fun and I learned again that I should never give up."
- "She really liked the breaks in the schedule to have time to get projects completed and she was so enthusiastic about every single assignment because they all challenged her to push herself to do things she had never attempted to do before. She's a child that is sometimes difficult to keep on task and I was so thankful that there were so many engaging and age-appropriate projects. Many times throughout the week she said, "I love this class! It's so much fun!""

Student Development

Athletics

- Provided more opportunities for students by fielding a JV men's basketball team and a JV women's volleyball team.
- Started the first men's volleyball team participating in the SC Palmetto Volleyball league as a club team.

Campus Life

- Campus Life contracted an RLC specifically to work with students concerning Diversity and Inclusion. Students leading cultural groups on campus must participate in diversity training that will take place later in the fall.
- Workshops were held to assist students with operating their clubs and organizations.
- More than 60 clubs participated in the Virtual club fair
- The programming curriculum is now in its 2nd year of implementation. Last year school year, Campus Life sponsored over 110 programs and events for students.
- Created a Campus Life Newsletter.

Risk Assessment and Mitigation Strategies:

GSSM provides uniquely advanced education opportunities in multiple settings to highly capable students around the state. Our goals and objectives should enhance quality, availability, and access statewide. Failure to meet these goals would mean that the school is not providing top-tier education, that its programs are not available in areas where students who need them, or that where they are available, they are not equally accessible to all students. Though we had challenges with the worldwide pandemic, we were able to provide a first-class virtual educational experience for both the residential and virtual students and had a live graduation ceremony at the Darlington Speedway.

Thanks to historically strong support from the state legislature, private partnerships, and an active community of parents and alumni, the school is well-positioned to achieve its goals with excellence. Continued support of our programs, especially the growth of our Outreach initiatives, is key to our ability to identify and nurture talented students to lead the state's knowledge economy.

SOUTH CAROLINA GOVERNOR'S SCHOOL for Science & Mathematics

Governor/General Assembly of South Carolina

SCGSSM Board

GSSM Foundation Board

Interim President Dr. Ershela Sims

Exec. Assistant to the President Bridget Lloyd

Marketing & Communications Manager Kiersten Cole

Foundation CEO and Executive Director: Beth Dinndorf
- Fundraising
- Corporate Relations
- Legislative Affairs
- Alumni Relations

Sr. VP for Residential: Danny Dorsel
- Curriculum Design & Implementation
- Scheduling
- Faculty
- Dean of Curriculum & Assessment*
- Director of Academic Programs*
- Director of Research and Inquiry*
- Student Success
- Registrar
- **VP for Student Development: Dr. Emilye Mobley**
  - Residential Life
  - Wellness
  - Mental Health & Nursing
  - Discipline
  - College Counseling & Advisement
  - Community Engagement
  - Student Activity Center
  - Athletics
  - Music and Arts
  - Dean of Students

Sr. VP for Virtual and Outreach: Dr. Ershela Sims
- Curriculum Design & Implementation
- Partnerships
- Scheduling
- Student Success
- Dean of Curriculum and Assessment*
- Director of Academic Programs*
- Director Research and Inquiry*
- Registrar
- **VP for Outreach & Global Learning Exp.: Randy LaCross**
  - Summer Camps and Learning
  - Global Learning Programs
  - Statewide Outreach Curriculum & Design
  - Outreach Program (non-summer) initiatives
  - Special Outreach/Community Events

CIO/Exec. VP: Jon Shannon
- Educational IT Resources: Residential, Virtual and Outreach
- IT Infrastructure, Hardwire & Wireless
- IT Security
- Systems Interface

VP for Finance & Operations: Brock Heron
- Finance
- Budget Management/Development
- Human Resources
- Legislative Affairs
- Procurement/Purchasing
- Operations
- Public Safety; Director, Chris Caldwell
- Facilities; Facility Director, Timmy Tyner
- Contract Services: Food Services, Public Safety, Custodial, Grounds, and Maintenance

VP for Enrollment Management: Chris Lambert
- Recruitment Strategies and Initiatives
- Campus Tours and Shadow Program
- Admissions: Residential and Virtual
- Retention
- Enrollment

Dean of Curriculum & Assessment: Dr. Michael Newsome

Department Chairs:
- Biology: Dr. Jennifer Brown
- Chemistry: Dr. Gordon Brown
- CBE: Dr. Al DeGennaro
- English: Dr. Joe Wensink
- FLHPsy: Dr. Antonio de Ridder
- Math: Dr. Nicole Kroeger
- Physics: Dr. David Whitbeck

*Dual reporting line to SVP for Residential and SVP for Virtual and Outreach

Agency Name:	GOVERNOR'S SCHOOL FOR SCIENCE AND MATHEMATICS		Fiscal Year 2019-2020
			Accountability Report
Agency Code:	H650	Section: 001	

Statewide Enterprise Strategic Objective	Type	Item #			Description	2019-20			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
Education, Training, and Human Development	G	1			Provide the best advanced education for S.C.'s most selective students							
	S		1.1		Provide the best credentialed and most experienced teachers in all subjects							
	M			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%	July 1 - June 30	Human Resources	% of Masters'/PhD/Faculty	Provides measurement of credentials
	M			1.1.2	Maintain low student to teacher ratio	9:1	9:1	9:1	July 1 - June 30	School Records	Students/Teachers	Prevents class overloads
	M			1.1.3	100% of GSSM grads admitted undergraduate school	100%	100%	100%	January-June	College Counseling	Number of students admitted to undergraduate school	Provides success rate of students admitted to colleges and universities
	S		1.2		Continually advance curriculum offerings in the residential, virtual and outreach programs							
	M			1.2.1	Identify and attract larger pools of talented students to reach through outreach programs	2,688	2,700	2,901	August - May	GSSM Outreach	Number of virtual/outreach students	Provides the opportunity to reach more school districts and students with GSSM courses
	M			1.2.2	Continue to increase Engineering offerings in residential program at GSSM	6	7	12	August - May	GSSM Residential	Number of engineering courses in residential program	Promotes variety and number of engineering courses offered in the residential program
	M			1.2.3	Continue to increase Engineering offerings in virtual program at GSSM	7	10	9	August - May	GSSM Accelerate/TEAM UP	Number of engineering courses in virtual program	Promotes variety and number of engineering courses offered virtually
	M			1.2.4	Identify and attract larger pools of talented students to reach through virtual programs	130	135	131	August - May	GSSM Accelerate/TEAM UP	Number of virtual students	Provides the opportunity to reach more school districts and students with GSSM courses
	S		1.3		Provide a safe and supportive teaching environment with technology							
	M			1.3.1	Schedule facility repair in teaching spaces to allow for zero teaching downtime for instruction	0%	0%	0%	July 1 - June 30	School Records	% of instructional time stopped due to facility issues	Provides the amount of useful time in the classroom
	M			1.3.2	Upgrade IT networks and in-classroom/lab IT to support instruction	77%	90%	90%	July 1 - June 30	School Records	% of technology equipment and infrastructure within its useful life	Ensures that the technology equipment and infrastructure is current and can meet the needs of the curriculum
Education, Training, and Human Development	G	2			Operate a residential campus supportive of students in activities, character development and safety							
	S		2.1		Conduct Extracurricular Programs appropriate to an academically-focused residential high school							
	M			2.1.1	Increase student participation on athletic teams by providing sports that support student interests and abilities	67%	70%	82%	August - May	GSSM Residential	% of residential students participating in SCHSL athletics	Provides opportunities for residential students in interscholastic sports
	M			2.1.2	Increase student participation in clubs and organizations by providing opportunities that match student interests and abilities	95%	95%	95%	August - May	GSSM Residential	% of students involved in clubs and organizations	Provides opportunities for residential students outside the regular curriculum
	S		2.2		Create arts and music programs supporting students interests and talents							
	M			2.2.1	Maintain specialized art and music instructors to foster student development in art & music	2	2	2	August - May	Human Resources	Number of teachers for art and music	Provides school's ability to offer a diversified curriculum
	S		2.3		Ensure physical and mental health of students							
	M			2.3.1	Provide mental health licensed professionals to promote improving mental and emotional health	1	2	2	July 1 - June 30	Health Services	Number of mental health professionals with a PhD/MD	Provides qualified staff for mental health and fitness
	M			2.3.2	Provide extensive qualified nursing services to include medication management	10	10	14	August - May	Health Services	Number of weekday and weekend shifts nurses are available to provide health care	Provides school's ability to offer health services
Education, Training, and Human Development	G	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							

Agency Name:	GOVERNOR'S SCHOOL FOR SCIENCE AND MATHEMATICS		Fiscal Year 2019-2020
			Accountability Report
Agency Code:	H650 Section: 001		

Strategic Planning and Performance Measurement Template

Statewide Enterprise Strategic Objective	Type	Item #			Description	2019-20			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
	S		**3.1**		**Enhance GSSM's advanced research program opportunities for residential students**							
	M			3.1.1	Increase diverse research opportunities at state, national and international universities and/or industrial sites	25	30	17	Summer	GSSM Residential	Number of research sites	Provides number of sites available for virtual students
	M			3.1.2	Provide research opportunities for virtual students	4	5	11	Summer	Accelerate Program	Number of virtual students participating in research	Provides number of sites available for virtual students
	S		**3.2**		**Enhance and expand high-quality statewide academic programs developed and delivered by the GSSM Outreach Center**							
	M			3.2.1	Increase programs targeted to specific age and demographic groups	35	40	40	July 1 - June 30	Outreach	Number of students participating in virtual classes	Provides number of students participating in virtual classes
	M			3.2.2	Increase Outreach partners, both at schools & districts, and with business partners.	78	78	100	July 1 - June 30	GSSM Outreach	Number of school districts	Provides number of school districts participating in virtual classes
	M			3.2.3	Continue to grow Accelerate Engineering Statewide program	19	20	21	August - May	GSSM Accelerate/TEAM UP	Number of sites participating for the Accelerate Engineering Program	Promotes growth of Accelerate Engineering Program throughout the state

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									Accountability Report
Agency Code:		H650	Section:	001					

Strategic Planning and Performance Measurement Template

Statewide Enterprise Strategic Objective	Type	Item #			Description	2020-21			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
Education, Training, and Human Development	G	1			Provide the best advanced education for S.C.'s most selective students							
	S		1.1		Provide the best credentialed and most experienced teachers in all subjects							
	M			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%		July 1 - June 30	Human Resources	% of Masters'/PhD/Faculty	Provides measurement of credentials
	M			1.1.2	Maintain low student to teacher ratio	9:1	9:1		July 1 - June 30	School Records	Students/Teachers	Prevents class overloads
	M			1.1.3	100% of GSSM grads admitted undergraduate school	100%	100%		January-June	College Counseling	Number of students admitted to undergraduate school	Provides success rate of students admitted to colleges and universities
	S		1.2		Continually advance curriculum offerings in the residential, virtual and outreach programs							
	M			1.2.1	Identify and attract larger pools of talented students to reach through outreach programs	2,901	2,925		August - May	GSSM Outreach	Number of virtual/outreach students	Provides the opportunity to reach more school districts and students with GSSM courses
	M			1.2.2	Continue to increase Engineering offerings in residential program at GSSM	12	12		August - May	GSSM Residential	Number of engineering courses in residential program	Promotes variety and number of engineering courses offered in the residential program
	M			1.2.3	Continue to increase Engineering offerings in virtual program at GSSM	9	12		August - May	GSSM Accelerate/TEAM UP	Number of engineering courses in virtual program	Increased the variety and number of engineering courses offered virtually
	S			1.2.4	Identify and attract larger pools of talented students to reach through virtual programs	131	135		August - May	GSSM Accelerate/TEAM UP	Number of Accelerate & TEAM UP tudents	Provides the opportunity to reach more school districts and students with GSSM courses
	M			1.2.5	Deliver foundational math and other STEM courses in a synchronous virtual format to students around the state	40	160		August - May	GSSM Synchronous Virtual Courses (SVC)	Number of SVC students (fall + spring)	Provides students around the state with a solid foundation in math and other STEM subjects.
	S		1.3		Provide a safe and supportive teaching environment with technology							
	M			1.3.1	Schedule facility repair in teaching spaces to allow for zero teaching downtime for instruction	0%	0%		July 1 - June 30	School Records	% of instructional time stopped due to facility issues	Provides the amount of useful time in the classroom
	M			1.3.2	Upgrade IT networks and in-classroom/lab IT to support instruction	90%	92%		July 1 - June 30	School Records	% of technology equipment and infrastructure within its useful life	Ensures that the technology equipment and infrastructure supports the needs of the current curriculum
Education, Training, and Human Development	G	2			Operate a residential campus supportive of students in activities, character development and safety							
	S		2.1		Conduct Extracurricular Programs appropriate to an academically-focused residential high school							
	M			2.1.1	Increase student participation on athletic teams by providing sports that support student interests and abilities	82%	85%		August - May	GSSM Residential	% of residential students participating in SCHSL athletics	Provides opportunities for residential students in interscholastic sports
	M			2.1.2	Increase student participation in clubs and organizations by providing opportunities that match student interests and abilities	95%	96%		August - May	GSSM Residential	% of students involved in clubs and organizations	Provides opportunities for residential students outside the regular curriculum
	S		2.2		Create arts and music programs supporting students interests and talents							
	M			2.2.1	Maintain specialized art and music instructors to foster student development in art & music	2	2		August - May	Human Resources	Number of teachers for art and music	Provides school's ability to offer a diversified curriculum
	S		2.3		Ensure physical and mental health of students							
	M			2.3.1	Provide mental health licensed professionals to support mental health of the students	2	2		July 1 - June 30	Health Services	Number of mental health professionals with a PhD/MD	Provides qualified staff for mental health and fitness
	M			2.3.2	Provide extensive qualified nursing services to include medication management	14	14		August - May	Health Services	Number of weekday and weekend shifts nurses are available to provide health care	Provides school's ability to offer health services

Agency Name:		GOVERNOR'S SCHOOL FOR SCIENCE AND MATHEMATICS	Fiscal Year 2019-2020
			Accountability Report
Agency Code:	H650 Section: 001		

Strategic Planning and Performance Measurement Template

Statewide Enterprise Strategic Objective	Type	Item #			Description	2020-21			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
Education, Training, and Human Development	G	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							
	S		3.1		Enhance GSSM's advanced research program opportunities for residential students							
	M			3.1.1	Increase diverse research opportunities at state, national and international universities and/or industrial sites	17	20		Summer	GSSM Residential	Number of research sites	Provides number of sites available for virtual students
	M			3.1.2	Provide research opportunities for virtual students	11	13		Summer	Accelerate Program	Number of virtual students participating in research	Provides number of sites available for virtual students
	S		3.2		Enhance and expand high-quality statewide academic programs developed and delivered by the GSSM Outreach Center							
	M			3.2.1	Increase programs targeted to specific age and demographic groups	40	60		July 1 - June 30	Outreach	Number of students participating in virtual classes	Provides number of students participating in virtual classes
	M			3.2.2	Increase Outreach partners, both at schools & districts, and with business partners.	100	110		July 1 - June 30	GSSM Outreach	Number of school districts	Provides number of school district participating in virtual classes
	M			3.2.3	Continue to grow Accelerate Engineering Statewide program	21	22		August - May	GSSM Accelerate/TEAM UP	Number of sites participating for the Accelerate Engineering Program	Promotes growth of Accelerate Engineering Program throughout the state

Agency Name:	GOVERNOR'S SCHOOL FOR SCIENCE AND MATHEMATICS
Agency Code:	H650	Section:	001

Program/Title	Purpose	FY 2019-20 Expenditures (Actual)				FY 2020-21 Expenditures (Projected)				Associated Measure(s)
		General	Other	Federal	TOTAL	General	Other	Federal	TOTAL	
I. Academics	Provide the highest quality instruction to S.C.'s best/most motivated High School students	$ 5,472,845	$ 2,020,605		$ 7,493,450	$ 5,472,845	$ 2,020,605		$ 7,493,450	1.1.1,1.1.2,1.1.3;1.2.1,1.2.2;1.2.3;1.3.1,1.3.2;2.2.1;3.1.1;3.2.3
II. Life In Residence	Support the 24/7 residential campus and development in all areas outside of the classroom	$ 2,365,209	$ 283,970		$ 2,649,179	$ 2,365,209	$ 283,970		$ 2,649,179	1.3.2;2.1.1,2.1.2;2.2.1;2.3.1,2.3.2;3.1.1
III. Virtual/Outreach	Improve and support academic achievement across the entire state, elementary through high school and improve prospects for universities and businesses in SC. Expand Statewide Accelerate and TEAM UP Engineering Programs for 10th, 11th, and 12th graders.	$ 5,086,963	$ 206,845		$ 5,293,808	$ 5,086,963	$ 206,845		$ 5,293,808	1.3.1,1.3.2
IV. Support Admin Services	Allow functional areas to focus and achieve - Complete State Reports & Requirements	$ 1,012,919	$ 62,191		$ 1,075,110	$ 1,012,919	$ 62,191		$ 1,075,110	1.2.1,1.2.3;3.1.1;3.1.2;3.2.1;3.2.2,3.2.3

Item #	Law Number	Jurisdiction	Type of Law	Statutory Requirement and/or Authority Granted	Does this law specify who your agency must or may serve? (Y/N)	Does the law specify a product or service your agency must or may provide?	If yes, what type of service or product?	If other service or product, please specify what service or product.
1	CHAPTER 48. HISTORY: 1987 Act No. 170, Part II, Section 23.	State	Statute	Establish School and Governing Body 1987	Yes	Yes	Board, commission, or committee on which someone from our agency must/may serve	
2	59-48-10	State	Statute	Establishment of school.	Yes	Yes	Other service or product our agency must/may provide	Accelerated instruction in mathematics and science in a residential educational setting.
3	59-48-20	State	Statute	Board of trustees; appointment; term of office; compensation.	Yes	Yes	Board, commission, or committee on which someone from our agency must/may serve	
4	Proviso 1.7	State	FY 2019-20 Proviso	1.7. (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.	No	No - But relates to sources of funding for one or more agency deliverables		
5	Proviso 1.22	State	FY 2019-20 Proviso	1.22. (SDE: Governor's School Leave Policy) 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 promulgate administrative policy governing annual and sick leave relative to faculty and staff with the approval of their respective board of directors. This policy shall address their respective school calendars in order to comply with the instructional needs of students attending both special schools.	No	No - But relates to manner in which one or more agency deliverables is provided		
6	Proviso 1.29	State	FY 2019-20 Proviso	1.29. (SDE: Governor's Schools' Fees) 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 charge, collect, expend, and carry forward student fees as approved by their respective Board of Directors. The purpose and amount of any such fees will be to maintain program quality in both academics and residential support. No student will be denied admittance or participation due to financial inability to pay. The respective Board of Directors shall promulgate administrative policy governing the collection of all student fees. Both schools shall conspicuously publish a fee schedule on their respective websites.	No	No - But relates to sources of funding for one or more agency deliverables		
7	Proviso 1.44	State	FY 2019-20 Proviso	1.44. (SDE: Governor's Schools Residency Requirement) Of the funds appropriated, the Governor's School for the Arts and the Humanities and the Governor's School for Science and Mathematics are to ensure that a parent(s) or guardian(s) of a student attending either the Governor's School for the Arts and the Humanities or 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 the Arts and the Humanities and Governor's School for Science and Mathematics may not admit students whose parent(s) or guardian(s) are not legal residents of South Carolina.	Yes	Yes	Report our agency must/may provide	
8	Proviso 1.60	State	FY 2019-20 Proviso	1.60. (SDE: Governor's Schools Informational Access to Students) For the current fiscal year, school districts must permit both the Governor's School for the Arts and Humanities and 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 respective Governor's Schools, through avenues including school visits, informational presentations, and posters. By June thirtieth, of the current fiscal year, the Governor's School for the Arts and Humanities and 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 two Governor's Schools will work with districts, the Department of Education and School Report Card administrators, to ensure that SAT scores of current Governor's Schools' students are included in the School Report Card of those students' resident schools and districts.	Yes	Yes	Report our agency must/may provide	

9	Proviso 1A.4	State	FY 2019-20 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.	Yes	Yes	Report our agency must/may provide
10	Proviso 117.15	State	FY 2019-20 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 cottage parents and staff of Wil Lou Gray Opportunity School, nor to full-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 Science and Mathematics and 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.	No	No - But relates to manner in which one or more agency deliverables is provided	
11	Proviso 117.45	State	FY 2019-20 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	No	No - But relates to sources of funding for one or more agency deliverables	

Service/Product Provided to Customers	Customer Segments	*Specify only for the following Segments:* (1) Industry: Name; (2) Professional Organization: Name; (3) Public: Demographics.	Divisions or Major Programs	Description
Advanced Educational Programs	School Districts	Partner Industries include Boeing, Google, BMW, Sonoco Products company and many others. Professional Organizations include: All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations. Public (Demographics): General Public and subsections to include families with school-age children appropriate for GSSM program Participation.	Academics	Advanced Curriculum and Training
Advanced Educational Programs	Professional Organization	Partner Industries include Boeing, Google, BMW, Sonoco Products company and many others. Professional Organizations include: All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations. Public (Demographics): General Public and subsections to include families with school-age children appropriate for GSSM program Participation.	Academics	Advanced Curriculum and Training
Advanced Educational Programs	General Public	Partner Industries include Boeing, Google, BMW, Sonoco Products company and many others. Professional Organizations include: All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations. Public (Demographics): General Public and subsections to include families with school-age children appropriate for GSSM program Participation.	Academics	Advanced Curriculum and Training
Provide Residential Environment for Well-being and development	General Public	General Public and subsections to include families with school-age children appropriate for GSSM program Participation.	Life in Residence	Provide Residential Environment for Well-being and development of students staying on-campus
Provide Residential Environment for Well-being and development	School Districts	General Public and subsections to include families with school-age children appropriate for GSSM program Participation.	Life in Residence	Provide Residential Environment for Well-being and development of students staying on-campus
Provide Residential Environment for Well-being and development	Professional Organization	General Public and subsections to include families with school-age children appropriate for GSSM program Participation.	Life in Residence	Provide Residential Environment for Well-being and development of students staying on-campus
Advanced Educational Programs - Statewide, grades 7-12, Teacher Development & Growth	School Districts	Partner Industries include Boeing, Google, BMW, Sonoco Products company and many others. Professional Organizations include: All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations. Public (Demographics): General Public and subsections to include families with school-age children appropriate for GSSM program Participation.	Outreach	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.

Advanced Educational Programs - Statewide, grades 7-12, Teacher Development & Growth	Professional Organization	Partner Industries include Boeing, Google, BMW, Sonoco Products company and many others. Professional Organizations include: All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations. Public (Demographics): General Public and subsections to include families with school-age children appropriate for GSSM program Participation.	Outreach	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.
Advanced Educational Programs - Statewide, grades 7-12, Teacher Development & Growth	School Districts	Partner Industries include Boeing, Google, BMW, Sonoco Products company and many others. Professional Organizations include: All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations. Public (Demographics): General Public and subsections to include families with school-age children appropriate for GSSM program Participation.	Outreach	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.
Meet Reporting and Stewardship Needs	Executive Branch/State Agencies	All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations	Administration	Meet Reporting and Stewardship Needs
Meet Reporting and Stewardship Needs	Legislative Branch	All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations	Administration	Meet Reporting and Stewardship Needs
Meet Reporting and Stewardship Needs	School Districts	All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations	Administration	Meet Reporting and Stewardship Needs
Meet Reporting and Stewardship Needs	General Public	All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations	Administration	Meet Reporting and Stewardship Needs
Meet Reporting and Stewardship Needs	Industry	All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations	Administration	Meet Reporting and Stewardship Needs
Meet Reporting and Stewardship Needs	Professional Organization	All Higher Educational Partners (USC, Clemson, S.C. State, Citadel, College of Charleston, MUSC, etc.), plus Federal Dept. of Education, Science, Math, Humanities and other Teacher Organizations	Administration	Meet Reporting and Stewardship Needs

Agency Name:	GOVERNOR'S SCHOOL FOR SCIENCE AND MATHEMATICS

Agency Code and Section:	H650	001

Name of Partner Entity	Type of Partner Entity	Description of Partnership	Associated Goal(s)
Clemson University	Higher Education Institute	Course equivalency agreements for course credit. Summer Advanced Research placements of GSSM students on campus and with University Scientists	1.2.3;3.1.1;3.1.2;3.2.1;3.2.2
University of South Carolina	Higher Education Institute	Course equivalency agreements for course credit. Summer Advanced Research placements of GSSM students on campus and with University Scientists	1.2.3;3.1.1;3.1.2;3.2.1;3.2.2
School Districts in South Carolina	K-12 Education Institute	Provide Teacher Training and Outreach Programs for teachers and students. Recruit and partner on educational Initiatives	3.1.2;3.2.1,3.2.2
MUSC	Higher Education Institute	Summer Advanced Research placements of GSSM students on campus and with University Scientists	3.1.1;3.1.2
S.C. State	Higher Education Institute	Summer Advanced Research placements of GSSM students on campus and with University Scientists. Teacher Training and Engineering partnerships	3.1.1;3.1.2
College of Charleston	Higher Education Institute	Summer Advanced Research placements of GSSM students on campus and with University Scientists	3.1.1;3.1.2
S.C. High Schools	K-12 Education Institute	Provide Teacher Training and Outreach Programs for teachers and students. Recruit and partner on educational Initiatives	3.1.2;3.2.1,3.2.2
S.C. Middle Schools	K-12 Education Institute	Provide Teacher Training and Outreach Programs for teachers and students. Recruit and partner on educational Initiatives	3.1.2;3.2.1,3.2.2
S.C. Elementary Schools	K-12 Education Institute	Provide Teacher Training and Outreach Programs for teachers and students. Recruit and partner on educational Initiatives	3.1.2;3.2.1,3.2.2
Business/Industry Partnerships	Private Business Organization	Outreach and Residential efforts and support to include Accelerate Engineering, Economics and Finance, Mandarin Chinese Foreign Language Instruction and many others	3.1.2;3.2.1,3.2.2
Coker University	Higher Education Institute	Dual Enrollment agreements for course credit.	1.2.3;

Agency Name:	GOVERNOR'S SCHOOL FOR SCIENCE AND MATHEMATICS						

Fiscal Year 2019-2020
Accountability Report

Agency Code:	H650	Section:	001				

Report and External Review Template

Item	Is this a Report, Review, or both?	Report or Review Name	Name of Entity Requesting the Report or Conducting Review	Type of Entity	Reporting Frequency	Current Fiscal Year: Submission Date or Review Timeline (MM/DD/YYYY)	Summary of Information Requested in the Report or Reviewed	Method to Access the Report or Information from the Review
1	External Review and Report	Annual State Audit	State Auditor's Office	State	Annually	5/01/2020 - 07/31/2020	Policies and Procedures review, Variances in Line Items, Justifications	Posted on Requesting Agency Website or via direct request
2	External Review and Report	State Budget Request	Executive Budget Office	State	Annually	October 23, 2019	Budget Priorities and Justifications	Posted on Requesting Agency Website or via direct request
3	External Review and Report	S.C. School Report Card	Education Oversight Committee	State	Annually	October 1, 2019	Benchmarks and metrics in comparison to public schools	Posted on Requesting Agency Website or via direct request
4	External Review and Report	State Human Affairs Commission Report to the General Assembly	S.C. Human Affairs Commission	State	Annually	10/01/2019 - 12/31/2019	Hiring and Minority Employment Assessment	Posted on Requesting Agency Website or via direct request
5	Internal Review and Report	SC Governor's School for Science and Mathematics Annual Budget	Board of Trustees	State	Annually	June 13, 2019	Budget Priorities and Justifications - For Approval	Available via Direct Request