

GSSM 3.0: SEEDS OF EXCELLENCE



Hector E. Flores
Board of Trustees Meeting
April 6, 2017



SOUTH CAROLINA GOVERNOR'S SCHOOL
for Science & Mathematics



Sofia Elias
Kindergartener from Hartsville, SC
Photograph by Jenny Salazar

SEEDS OF EXCELLENCE

**“...I have faith in a seed.
Show me a seed, and I am to
expect wonders”**

Henry David Thoreau



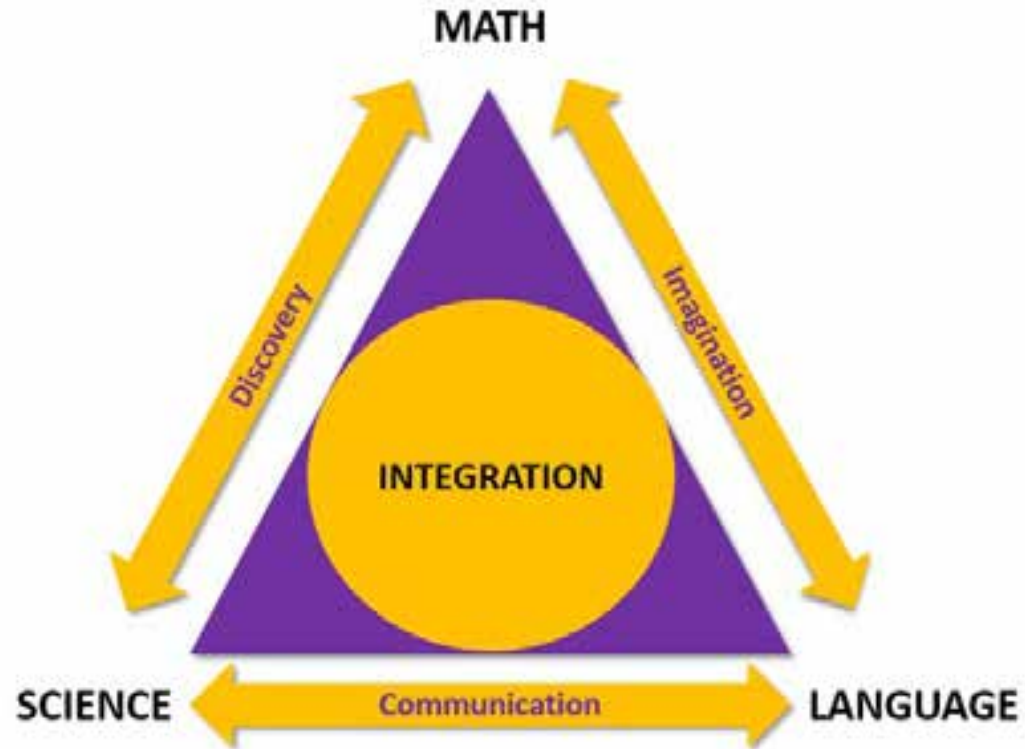
SOUTH CAROLINA GOVERNOR'S SCHOOL
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Inside GSSM - February 25, 2017

- **311 participants from the local community and across the state.**
 - 70% were from the local community and nearby communities. Others came from as far as Oconee and Beaufort.**
 - 17 SC counties and 1 county in NC were represented.**
 - 57 schools were represented.**
 - 50 GSSM faculty and staff and 150 students volunteered to conduct activities or help run the event.**
 - 52 interactive activities or booths were available for families to enjoy.**



GSSM Elementary – The Discovery Triangle



**A virtual/physical partnership
Currently researching curriculum
and partnerships with a view
toward a summer/fall pilot**





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Kaitlyn Baldizzi, Class of 2017
**Winner of SC Award, Center for Women in Information
Technology**

College Destination Update

Brown University	3
Caltech	1
Carnegie Mellon	1
Columbia	1
Cornell	2
Duke	4
Johns Hopkins	1
Stanford	2
Vassar	1
Swarthmore	1
Vanderbilt	3
Washington U	2
U Michigan	2
U Wisconsin	1



College Destination Update

Female First Generation College

Brown University

Carnegie Mellon University

Duke University

University of Rochester

Stanford University

Swarthmore College

Female First Generation College

Caltech

UC Boulder

U Michigan

Purdue

Stanford

UT Austin



GSSM ADMISSIONS – CLASS OF 2019 ENROLLMENT MANAGEMENT OUTLOOK

- Named Dr. Jenifer L. Blair, Interim Director of Enrollment**

Started Applications:	484
Completed applications:	353 (73%)
Semi-finalists:	283 (147 females and 136 males)
Enrollment goal:	153 Juniors

**Internal Review Day (IRC) application review on
April 8, 2017**



ENROLLMENT MANAGEMENT OUTLOOK: NEXT STEPS

Complete recruitment of an outstanding class of 2019

Understand current recruitment and admissions landscape and practices

Benchmark with GSAH and sister STEM schools on enrollment management practices and staffing

Assess admissions software packages in the market and (focus on user-friendly)

Re-describe and advertise for admissions director position

Make a recommendation for a comprehensive enrollment management strategy to ELT and the board by May 31, 2017



Accelerate Updates

- Admissions application review completed on 4/3/17
 - Rubric developed by consultant
 - Admissions decisions will be sent out on 4/14/17
- 114 applicants
 - 14% increase over last year
 - ~30% female and 19% URM in STEM
- New MOUs: Anderson Districts One and Two

Dual Enrollment Concerns

- Approval of Adjunct faculty
- Math 2060 course content
- Scheduling of Engineering courses taught by Clemson faculty
- Small class sizes due to attrition

Program Growth

- Program **quality** and **quantity**
 - Engineering elective courses
 - Additional university partnerships
 - Differentiated instruction
 - Focus on engineering careers
 - Grand Challenges of Engineering for 21st Century



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Center for Creative Inquiry – Engineering Estimate

- GSSM needs a new facility to support existing and future demand Outreach and Research
 - Intensive Programming conducted since September.
- Goal: An educational landmark to lead S.C.**

- Original Construction Estimate (August): \$9, 500,000.
- State Budget Request put on hold by school waiting for programming changes and Engineering Estimate, knowing costs would be higher. Funds already appropriated for A&E= \$471,900

• Total New Estimate:	Construction:	\$16,254,486
	FF&E =	\$ 3,462,650
	A&E Fees =	\$ 1,475,000



Center for Creative Inquiry – Next Steps

Detail Review with Architects/Estimators, State Engineer

- Understand Changes in Programming**
- Understand Additional Sq. Footage & Costs**
- Understand cost basis, contingencies**

Compile new proposal and estimate

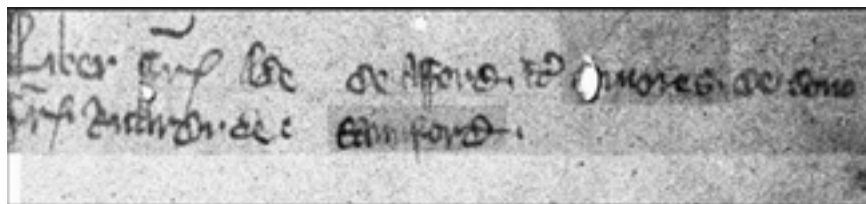
- Review with Finance Committee**
- Review options with legislative friends**
- Need for Capital Campaign (20-25%)**
- Bring options/discussion for June Board meeting**

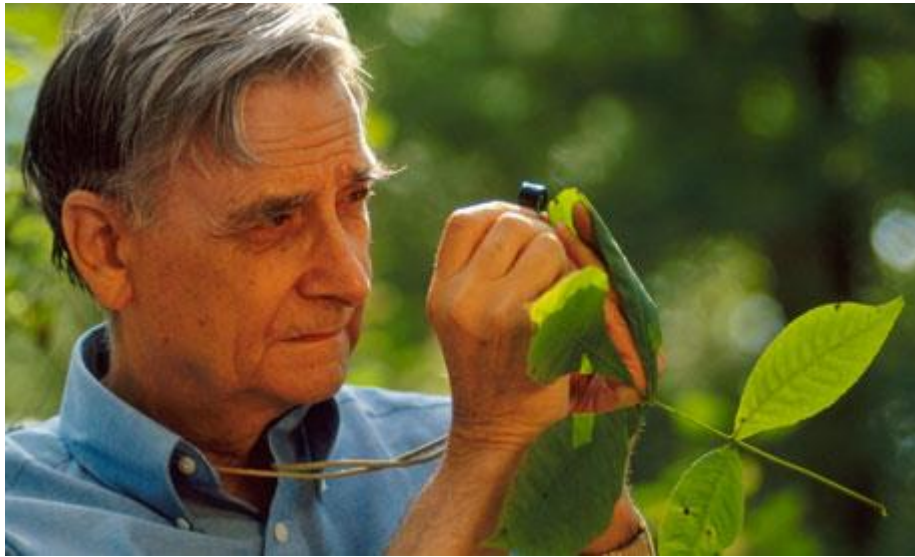


BRESLAUER POCKET BIBLE



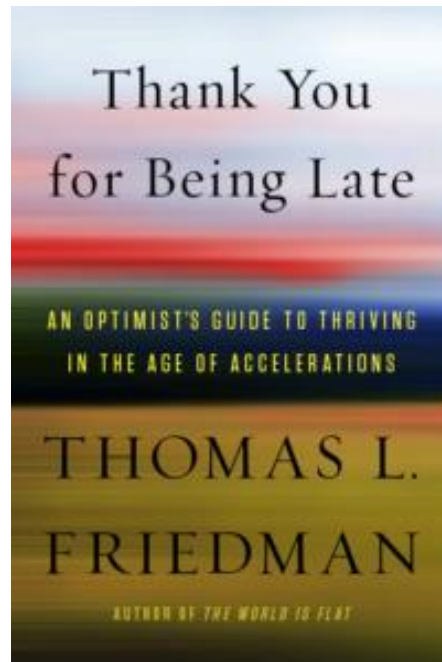
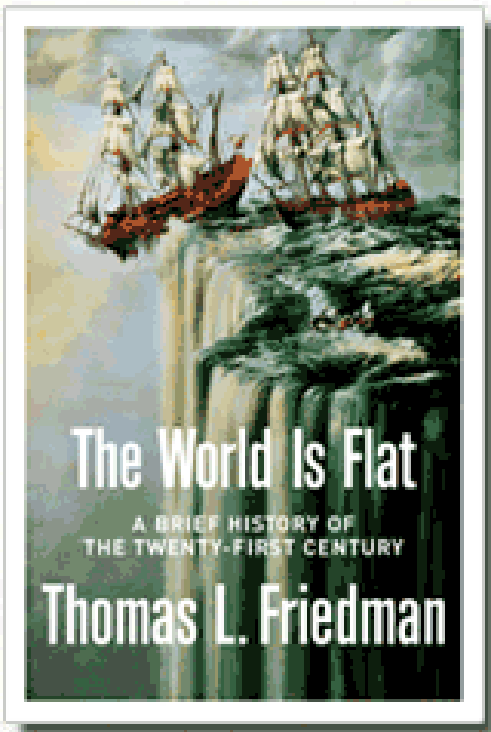
Carl Garris, Class of 2013





“We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely.”

E.O. Wilson



RE-ENVISIONING TEACHING AND LEARNING:

- Synthesis
- Explanation
- Leveraging
- Versatility

RE-ENVISIONING:

- Partnerships
- Leadership

GSSM in the 21st century:

- **Student-centered excellence and student success, and inclusive opportunity as non-negotiable core values**
- **Integration of humanities and STEM**
- **Character development (GRIT), team work, communication skills**
- **Balancing content with opening up spaces for creative endeavors**
- **Inter- and transdisciplinary, team taught electives**



**SOUTH CAROLINA GOVERNOR'S SCHOOL
for Science & Mathematics**

- **SHARING WHO WE ARE AND
WHAT WE HAVE**

April 2017 Update

Designing GSSM 3.0



Strategic Planning Committee:

Mr. John Barnes (BOT, co-chair)

Mr. Jon Shannon (co-chair)

Dr. Roy Flannagan (secretary)

Mrs. Kim Bowman

Mrs. Elizabeth Bunn

Dr. Sue Bali

Dr. Adam Houle

Mr. Randy LaCross

Dr. Chris Permenter

Dr. Jerome Reyes

Mr. Jack Sanders

Dr. Tim Staples

Dr. Leroy Davis (ex officio)

Dr. Hector Flores (ex officio)

February 20 Presentations

**STUDENT
CENTERED
EXCELLENCE**

**STUDENT
SUCCESS**

**STEWARDSHIP &
ADMINISTRATION**

**VISIBILITY &
RECOGNITION**

PARTNERSHIPS

Each task force presented recommendations to the Strategic Planning Committee.

A group of people in a meeting room, with text overlaid on the image. The background shows a conference room with people sitting around a table, some looking at documents. The text is white with a slight shadow for readability against the semi-transparent background.

February 20 Presentations

Task Force Recommendation Highlights – 1 of 2

Through its virtual and outreach programs, GSSM will offer world-class curriculum and development expertise to increase STEM opportunities for every grade level across the state.

GSSM develops international programs and experiences that build foundations to succeed in the global marketplace of ideas, research, and business.

Restructure course schedule and graduation requirements to promote in-depth, student-lead research and entrepreneurial capstone projects.

February 20 Presentations

Task Force Recommendation Highlights – 2 of 2

Give GSSM residential students an extra year to acclimate to a challenging environment, outside of the college application window, and to participate in longer term research, leadership, and development programs.

Expand commitment to student success through an integrated Student Success Center to increase opportunities for individualized instruction and attention.

Through affiliations with one or more of the state's research universities, GSSM provides an exceptional early-college experience.

SCH 3351

Graduation and Convocation Speakers

- **Guiding principle: have an inclusive and transparent process to involve the GSSM community in the identification and selection of graduation and convocation speakers**
- **Charged a selection committee, led by Danny Dorsel, with providing a list of nominees**
- **While committee was deliberating, explored opportunities as they presented themselves**
- **Invited Mr. Mick Mulvaney, acceptance was announced at board meeting of January 12, 2017**
- **Announced to campus community in February.**