

**Manhattanville in West Harlem Implementation Plan Report  
October 15, 2014 Submission**

**Declaration Reference and Key Data**

Obligation Section Number: **5.07(c)(viii)**

Obligation Page Number: **54**

Obligation Trigger: **PACB Approval**

Obligation Start Date: **May 20, 2009 (PACB Approval date)**

Obligation End Date: **May 20, 2034\* (25 Years from Commencement)**

Obligation Status: **In Compliance**

**Obligation**

*New Public Middle and High School for Math, Science and Engineering.* CU has collaborated with NYCDOE and has already agreed to provide the land necessary (via a rent-free, 49-year lease) to create a new public secondary school that will address the critical need to improve education in science, math and engineering for students in New York City on a site immediately adjacent to or within the Project Site. That school is currently educating students at the middle school level at a temporary location and will ultimately serve approximately 650 students from grades 6 through 12. Enrollment will be competitive, with the middle school enrollment coming from high performing local students from northern Manhattan above 96<sup>th</sup> Street. The middle school will provide roughly half of the enrollment of the high school with the balance of the high school enrollment filled through a competitive process for students from across the five boroughs. Columbia shall provide curriculum support to the faculty of the new school to ensure the highest level of education in math, science and engineering, and continuing for a 25 year period from May 20, 2009.

\* The Obligation End Date refers to the obligation to provide curriculum support to the faculty of the new school. The obligation to offer land to create a new public secondary school has been fulfilled.

**Evidence of Compliance**

1. Press release about the creation of the school (October 21, 2005)
2. Letter from NYCDOE declining Columbia's offer of land for the New Public Middle and High School for MSE
3. Link to Columbia Secondary School website
4. Letter from Columbia Secondary School Principal

Columbia University's Implementation Plan and all supporting documentation are made available on the Community Services Webpage at [www.columbia.edu/communityservices](http://www.columbia.edu/communityservices). For more information about communications and outreach efforts regarding the obligations, please refer to the Annual Community Outreach and Communications Report, which is also available on the Community Services Webpage.



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## Columbia University to Create a New Public Secondary School Specializing in Science, Math and Engineering, in Collaboration with the City of New York

*New York, Oct. 21* -- Columbia University announced today that it will collaborate with the City of New York on the creation of a new public secondary school that will address the critical need to improve education in science, math and engineering.

The new school is tentatively called the "Columbia Science, Math and Engineering Secondary School" and will be located in Manhattanville in West Harlem where Columbia has proposed building a new campus. The school initially will be located in a transitional space and will serve approximately 650 students from grades six through 12.

Enrollment will be selective, and priority will be given to high performing local students from northern Manhattan above 96th Street. At least half of the school's total enrollment will be comprised of students from northern Manhattan.

Mayor Michael Bloomberg announced the partnership during a visit to Columbia's Morningside campus in an event hosted by Columbia's College Republicans. Columbia University President Lee C. Bollinger was among those in attendance. (Click to see [video of the event](#).)

"Columbia is one of the finest educational institutions in the nation and this new secondary school will be able to draw upon Columbia's vast intellectual and academic resources," Mayor Bloomberg said.

This collaboration grows out of Columbia's deep and longstanding commitment to increase educational opportunities for New York City schoolchildren. It also will meet a pressing national need to improve education in science, math and engineering.

"America is struggling to maintain its global leadership in science, math and engineering, and it is vital that our nation's public schools and universities rise to the challenge and work together to strengthen education in these critical areas," President Bollinger said. "The school will address this need by increasing the opportunities for science, math and engineering education available to public school students in the City and our local neighborhoods."



*President Bollinger talks with Geoffrey Canada, President and Chief Executive of Harlem Children's Zone, and Mayor Michael Bloomberg, shortly after the announcement.*

[\*\*PRESIDENT LEE C. BOLLINGER on the Importance of the New School Partnership\*\*](#)

***MAKING A DIFFERENCE***  
20 CU Local Education Programs in Science, Math and Engineering

[Double Discovery Center](#)

[Engineering Via Community Design](#)

[Columbia Kids Care Program](#)

[Harlem Tutorial Program](#)

[Head Start and Early Head Start Program](#)

[Hunter Program](#)

[Lang Youth Medical Program](#)

[Materials Research Science and Engineering Center Outreach Program](#)

Scheduled to open in September 2007, the school will be operated by the Department of Education in close collaboration with Columbia University, drawing on the University's faculty and academic resources for the design of its curricula and instructional program. The University also will help develop joint curricular and extracurricular programs that provide opportunities for the school's students to engage in early college experiences while actively contributing to Columbia University's campus life.

Faculty and graduate students throughout the University, especially from the Arts and Sciences, The Fu Foundation School of Engineering and Applied Science, and the basic sciences at the campus of the Columbia University Medical Center in Washington Heights are expected to participate.

The school is a natural outgrowth of the University's extensive and longstanding involvement in local education programs and partnerships (see inset). Each year, Columbia faculty and students from across the university participate in a variety of programs to improve educational opportunities for the city's children.

For over four decades, Columbia's Double Discovery Center, for example, has helped students in surrounding neighborhoods and throughout the City graduate from high school and college at a rate significantly above the national average.

Since 1958, Columbia's science and engineering departments have run the Science Honors Program, a highly selective, tuition-free program for high school students who have exceptional talent in mathematics and the sciences. The program offers courses primarily in physical, chemical, biological behavior and computing sciences, utilizing faculty from all of Columbia's science departments.

As plans for the school move forward, both Columbia and the City will enlist the support and input of leaders from across the City and from within the Academy to ensure that the school's curriculum and instruction reflect the most recent research and academic advances.

#### **Related Links**

- [Video: Mayor Bloomberg Visits Columbia to Announce New Public Secondary School](#)

[New York Schools Cosmic Particle Telescope \(NYSCPT\)](#)

[P.S. 128 Partnership](#)

[Research Experience for Teachers \(RET\)](#)

[Science and Technology Enrichment Program \(STEP\)](#)

[The Science Honors Program](#)

[Linking Food and the Environment](#)

[The K-12 Technology Integration Partnership](#)

[Service Learning in a Community Environment \(SLICE\)](#)

[State Pre-College Enrichment Program \(S-PREP\)](#)

[Summer Research Program](#)

[Women in Science at Columbia University](#)

[Chemistry High School Summer Program](#)

Published: Oct 21, 2005  
Last modified: Oct 31, 2005

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**Department of  
Education**

**Dennis M. Walcott**  
*Chancellor*

**Kathleen Grimm**  
*Deputy Chancellor*

FILED  
SEP 08 2011  
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August 29, 2011



Columbia University  
311 Low Library  
535 West 116<sup>th</sup> Street  
New York, New York 10027

Re: 614-626 West 125<sup>th</sup> Street, New York

Dear

The Department of Education and School Construction Authority conducted an evaluation of the property that Columbia University had offered to provide for construction of a new public school facility for the Columbia Secondary School at the southwest corner of West 125<sup>th</sup> Street and Broadway. After careful review of that site and in light of capital funding limitations, the Department of Education has decided not to proceed with construction of a new public school building at that location, and will instead undertake upgrades to Columbia Secondary School's current location (425 West 123<sup>rd</sup> Street) for the school's long-term occupancy.

As you are aware, the Department of Education has committed significant capital funding from its Charter/Partnership allocation to our partnership with Columbia University. Since we are not moving forward with construction of a new school building on Columbia's property, capital funds will instead be utilized for the upgrades at 425 West 123<sup>rd</sup> Street and also for renovations at the long-term location for the new Teachers College Community School at 168 Morningside Avenue.

Thank you for the University's consideration and support for the Columbia Secondary School and the new Teachers College Community School. We look forward to continuing our partnership with the University to the benefit of these schools and the communities they serve.

Sincerely,

Kathleen Grimm

cc: Lorraine Grillo  
Kenrick Ou

## New Public Middle and High School for Math, Science and Engineering

Link to Columbia Secondary School website:

<http://www.columbiasecondary.org>



### About

The Columbia Secondary School for Math, Science, & Engineering is a public, sixth through twelfth grade school that opened in the fall of 2007. A partnership between the New York City Department of Education, the community, and Columbia University, CSS-MSE serves academically talented students who have an interest in a rigorous and demanding program focusing on math, science, and engineering. The school reached its full enrollment of close to 700 students during the 2013-2014 school year and graduated its first class of seniors in June, 2014.

*The school is located on the 5th, 4th, & 3rd floors of the Ralph Bunche Educational Complex on 123rd St between Amsterdam and Morningside Avenues.*

#### School Mission Statement

Columbia Secondary is a selective, public, college preparatory school with a focus on science, math, and engineering. Its program of study provides a challenging academic experience that prepares its students for selective colleges; for careers in science, math, and engineering; and for a life of civic engagement and ethical responsibility. We train students to be socially and politically conscious, to be aware of their responsibility to their communities and the world, and to be dedicated to a life of creation and discovery in service of humanity.

#### Educational Vision

Columbia Secondary immerses its students in science and math as a way of seeing and making sense of the world. Learning experiences focus on the active exploration of major concepts, ideas, and theories that respond to life's big questions. Students will be exposed to the history of these ideas; the struggles and controversies necessary for their development; the kinds of questions and problems that are key to the discovery process; and the special role of effort and creativity. Students model and engage in their own explorations so that they may experience the excitement, beauty, and difficulty of discovery. Students become cognizant of the limits of knowledge and be sensitive to the dangers of an over-reliance on science and technology. Students learn to explore new questions, to ponder the significance of new scientific discoveries, and to use scientific knowledge and critical thinking in their own life decision-making.

#### Instructional Philosophy

Effective instruction depends largely on setting clear and high expectations, promoting an inclusive and participatory classroom culture, and motivating students to become independent learners. Instruction at Columbia Secondary is Socratic in spirit, with discussions, debates, guided inquiry, and carefully led lectures that focus on key questions, concepts, and theories. Students have extensive opportunities to engage in research, solve real-world problems, and learn experientially through internships and community service.

#### The school's curriculum is distinguished by:

- science, math, and engineering focus with research and service learning opportunities in NYC and at Columbia University
- a writing intensive and public communications focus. Students learn public speaking, become adept at using multimedia to communicate and become effective writers
- a one in the nation, Philosophy for Thinking program that promotes the development of intellectual skills, argument, inquiry, critical thinking, moral reasoning, and personal and ethical decision-making skills

[Email Login](#)

[Tech Support Requests](#)

[Summer Homework School Supply List](#)

### School Calendar

September 2014						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

[Download 2014 Event Calendar](#)

[Download 2014 Calendar En Español](#)

### News

**CSS Featured in Urban Advantage Video**

June 15, 2014

The recent promotional video produced by the American Museum of Natural History featured CSS students



**Memorandum**

From: Miriam Nightengale, Principal *MN*  
 To: ██████████, Office of the Provost, Columbia University  
 RE: Columbia University Faculty/Columbia Secondary School Staff Interactions  
 Updated: December 13, 2013

From September 13-December 13, 2013 the staff and students at Columbia Secondary School for Math, Science, and Engineering have benefitted from the following interactions/services from the faculty at Columbia University.

University Faculty/Staff Member	Department	CSS-MSE Staff Member	Project/Purpose	Time Period
██████████	Provost's Office	██████████	Improving existing admissions structures for CSS-MSE students to enroll in the School of Continuing Education (SCE) through meetings with SCE and CSS staff. Continue providing outreach and introductions to University departments. Met with Deans ██████████ and ██████████ and ██████████ Director of the Undergraduate Writing Center, to strengthen relationships with departments in natural sciences and humanities.  Serve on Friends of CSS, a non-profit organization whose aim is supporting the curricular and extracurricular activities of CSS.	Weekly, monthly, ongoing  Ongoing
██████████	Office of Alumni and Development	██████████	Working with Friends of CSS and Principal to identify potential donors (individual and corporate), conduct donor research, and develop individualized cultivation plans for each. As part of this effort, advice is being sought regarding the creation of one or more advisory councils to serve as ongoing engagement vehicles for top corporate and individual donors. Also served as liaison to the School's major donor and consulted with the principal of CSS regarding donor stewardship and strategies to negotiate/facilitate major gifts. Beyond the Friends of CSS, has also worked with development colleagues at Columbia to identify individual and foundations prospects. Secured a \$100,000 donation to support and strengthen fundraising efforts.	Ongoing
██████████	Provost's Office	██████████	Providing administrative coordination. Assisting with production of CSS-MSE 2014 graduation.	Ongoing
██████████	Student and Administrative	██████████	Negotiated retail contribution from Barnes & Noble to decrease cost of textbooks required for Columbia classes.	Summer-Fall 2013

University Faculty/Staff Member	Department	CSS-MSE Staff Member	Project/Purpose	Time Period
	Services		<p>The University Bookstore provided 45 students with their course books. Sixteen of the students were provided with rental textbooks, which will be due back at the end of Fall semester. The rental program saved CSS approximately 50% off of new books. The University Bookstore agreed to donate \$5,000 at retail towards the purchase of the books and provided a 20% discount to the balance of the purchases made, which were paid for by the Friends of CSS.</p> <p>Negotiating a long term arrangement with the Columbia Bookstore to continue to provide an annual \$5,000 donation at retail at the start of the Fall semester.</p> <p>For the upcoming spring semester, the Bookstore has extended a 20% discount on purchases only.</p>	<p>Ongoing</p> <p>Ongoing</p>
	CU Teachers College		Member of ongoing principal network engaged in monthly meetings related to the work of school improvement and implementing the new Common Core Standards and teacher evaluation system.	Sep, Nov, Dec 2013
Neurobiology and Behavior Graduate Student	CUMC/ Neuroscience		Faculty from University's Medical Center made a presentation to CSS students in an elective course, Introduction to Psychology. The lecture, titled "Drugs and the Brain," provided an overview of how the human brain functions normally as well as an explanation of how different classes of drugs impact brain functioning. The visit culminated in an examination of real animal and human brains.	Fall 2013
	CU Business School		An elective entrepreneurship course created and taught by graduate students of Business School Professor [REDACTED]. Course goes through new venture creation process, exploring elements of required planning, honing professional skills. Students finish the course with a comprehensive portfolio.	Fall 2013
	CU School of Continuing Education		Facilitating registration of CSS students in CU classes, including outreach to CU staff, refining a system to vet courses to ensure that they are suitable for CSS students, creating and delivering an orientation for CSS student registration for Spring 2014 semester.	Fall 2013
	CU Law School		Participating in a panel discussion and follow-up meeting relating to what constitutes strong inquiry work in secondary school teacher team meetings and how they can be used to improve the quality of instruction and student work.	Nov-Dec 2013
Various Faculty	CU Teachers College		Taking graduate courses in administration and specific specializations to further work at CSS-MSE.	Fall 2013



# COLUMBIA SECONDARY SCHOOL

for Math, Science, & Engineering


425 West 123<sup>rd</sup> Street, New York, NY 10027



*A Public School, Community, and University Partnership Challenging Academics – A Passion for Reason and Knowledge – Strength in Diversity*

## Memorandum

To: [REDACTED] Office of the Provost, Columbia University

From: Miriam Nightengale, Principal 

RE: Columbia University Faculty/Columbia Secondary School Staff Interactions

Updated: March 11, 2014

From December 13, 2013-March 14, 2014, the staff and students at Columbia Secondary School for Math, Science, and Engineering have benefitted from the following interactions/services from the faculty and staff at Columbia University.

University Faculty/Staff Member	Department	CSS-MSE Staff Member	Project/Purpose	Time Period
[REDACTED]	CU Teachers College	[REDACTED]	Helping to design and implement research and action steps to reduce student anxiety around science and to encourage persistence through increasingly difficult materials. Current work includes interviewing students to determine attitudes around science and academic struggle and creating curricular materials to confront and alleviate anxiety and increase persistence.	Dec. 2013 – Ongoing
[REDACTED]	Fu School of Engineering	[REDACTED]	Reviewing CSS Engineering focus and needs for sequence development. Discussing design of summer program to involve three CSS faculty members to increase engineering capacity and experience. Discussing possibility of CSS student participation in summer internship/workshop.	December 2013
[REDACTED]	Fu School of engineering	[REDACTED]	Meeting to discuss development of engineering sequence at CSS and integration of “maker” principles. Review of integrated science curricula in order to inform science sequencing. Review of materials to support “maker” pedagogy and focusing engineering classes. March 25 date set for follow up meeting.	December 2013
[REDACTED]	Provost’s Office	[REDACTED]	Improving existing admissions structures for CSS-MSE students to enroll in the School of Continuing Education (SCE) through meetings with SCE and CSS staff. Continue providing outreach and introductions to University departments, especially the Biology, French, and Physics departments.  Serve on Friends of CSS, a non-profit organization whose aim is supporting the curricular and extracurricular activities of CSS.	Weekly, monthly, ongoing  Ongoing

[REDACTED]	Office of Alumni and Development	[REDACTED]	Working with Friends of CSS and Principal to identify potential donors (individual and corporate), conduct donor research, and develop individualized cultivation plans for each. As part of this effort, advice is being sought regarding the creation of one or more advisory councils to serve as ongoing engagement vehicles for top corporate and individual donors. Also served as liaison to the School's major donor and consulted with the principal of CSS and Friends of CSS leadership regarding donor stewardship and strategies to negotiate/facilitate major gifts. Beyond the Friends of CSS, has also worked with development colleagues at Columbia to identify individual and foundations prospects. Technical assistance was provided on the following: research on donor management software, use of mail house services to print and mail fundraising appeals, development of case materials for fundraising efforts.	Ongoing
[REDACTED]	Provost's Office	[REDACTED]	Providing administrative coordination. Assisting with production of CSS-MSE 2014 graduation.	Ongoing
[REDACTED]	Student and Administrative Services	[REDACTED]	Negotiating a long term arrangement with the Columbia Bookstore to continue to provide an annual \$5,000 donation at retail at the start of the Fall semester.  For the upcoming spring semester, the Bookstore has extended a 20% discount on purchases only.	Ongoing  January 2014
[REDACTED]	CU Teachers College	[REDACTED]	Member of ongoing principal network engaged in monthly meetings related to the work of school improvement and implementing the new Common Core Standards and teacher evaluation system.	Ongoing
[REDACTED]	CU School of Continuing Education	[REDACTED]	Facilitating registration of CSS students in CU classes, including outreach to CU staff, refining a system to vet courses to ensure that they are suitable for CSS students, creating and delivering an orientation for CSS student registration for Spring 2014 semester.	Ongoing
Various Faculty	CU Teachers College	[REDACTED]	Taking graduate courses in administration and specific specializations to further work at CSS-MSE.	Ongoing

# COLUMBIA SECONDARY SCHOOL

for Math, Science, & Engineering

425 West 123<sup>rd</sup> Street, New York, NY 10027



*A Public School, Community, and University Partnership Challenging Academics – A Passion for Reason and Knowledge – Strength in Diversity*

## Memorandum

To: [REDACTED] Office of the Provost, Columbia University

From: Miriam Nightengale, Principal *mygal*

RE: Columbia University Faculty/Columbia Secondary School Staff Interactions

Updated: June 13, 2014

From March 14, 2014-June 13, 2014, the staff and students at Columbia Secondary School for Math, Science, and Engineering have benefitted from the following interactions/services from the faculty and staff at Columbia University.

University Faculty/Staff Member	Department	CSS-MSE Staff Member	Project/Purpose	Time Period
[REDACTED]	CU Teachers College	[REDACTED]	Helping to design and implement research and action steps to reduce student anxiety around science and to encourage persistence through increasingly difficult materials. Current work includes interviewing CSS students to determine attitudes around science and academic struggle and creating curricular materials to confront and alleviate anxiety and increase persistence.	Dec. 2013 - Ongoing
[REDACTED]	Provost's Office	[REDACTED]	Improving existing admissions structures for CSS-MSE students to enroll in the University's School of Continuing Education (SCE) through meetings with SCE and CSS staff. Continue providing outreach and introductions to University departments, especially the Biology, French, and Physics departments.	Weekly, monthly, ongoing
[REDACTED]	Office of Alumni and Development	[REDACTED]	Working with Principal Nightengale and Friends of Columbia Secondary School to increase financial support for CSS. Activities included: meeting with individual Friends of CSS board members to hone strategies for reaching out to their personal contacts for support for CSS; conducting prospect research on individuals corporations, and foundations; leading two meetings to support CSS parents in efforts to obtain foundation and corporate support; delivering a presentation about CSS to fundraising colleagues with the goal of uncovering potential prospects; securing the assistance of the Annual Fund Programs office to provide technical assistance for CSS's phoneathon; and engaging SIPA faculty and students to undertake a case study of CSS to develop collateral information for fundraising efforts.	Ongoing
[REDACTED]	Provost's Office	[REDACTED]	Providing administrative coordination. Assisting with production of CSS-MSE 2014 graduation.	Ongoing
[REDACTED]	Student and Administrative	[REDACTED]	Negotiating a long term arrangement with the Columbia Bookstore to continue to provide an annual \$5,000	Ongoing

University Faculty/Staff Member	Department	CSS-MSE Staff Member	Project/Purpose	Time Period
	Services		donation at retail at the start of the Fall semester.	
	CU Teachers College		Member of ongoing principal network engaged in monthly meetings related to the work of school improvement and implementing the new Common Core Standards and teacher evaluation system.	Ongoing
	CU School of Continuing Education		Facilitating registration of CSS students in CU classes, including outreach to CU staff, refining a system to vet courses to ensure that they are suitable for CSS students, creating and delivering an orientation for CSS student registration.	Ongoing
Various Faculty	CU Teachers College		Taking graduate courses in administration and specific specializations to further work at CSS-MSE.	Ongoing
	CU School of Engineering	Various CSS students	Mentored Robotics First team and participated in national competition in Ohio and NYC.	Feb 2014- May 2014
	CU Department of Mathematics	Various CSS Students	Facilitated math discussion group with CSS students with a goal to help students explore advanced mathematical topics and develop a peer discussion group at CSS.	May 2014 - Present
	CU School of Engineering	various CSS students,	Paired CSS students with graduate students from the School of Engineering. CSS students will assist CU graduates with summer research, and, potentially, in preparing research for publication.	May 2014 - Aug 2014
	CU Mathematics & Physics Departments		visited CSS to discuss String Theory and other aspects of Physics with students. invited students to the annual World Science Fair, which students attended on June 1.	May 7, 2014
	Earth Institute	CSS students	visited CSS to deliver a presentation around global challenges that pose threats to global economies, populations and environments.	May 8, 2014
	CU School of Mathematics		applied for and won the opportunity to host MOSAIC, an international art and math exhibition, to be hosted for the community at CSS in October 2014.	May 2014
	CU Mind, Brain, Behavior Institute		Met to discuss possible programs for implementation in after school middle school sequence at CSS. Also discussed opportunities for high school students to participate in Brainyac internships in Jan 2015.	June 10, 2014

# COLUMBIA SECONDARY SCHOOL for Math, Science, & Engineering

425 West 123<sup>rd</sup> Street, New York, NY 10027  
212-666-1278(p) 212-666-3805(f)

Miriam Nightengale, Principal  
Lenice Nelson, Assistant Principal  
Dan Novak, Assistant Principal



*A Public School, Community, and University Partnership*

*Challenging Academics – A Passion for Reason and Knowledge – Strength in Diversity*

## Memorandum

To: [Redacted] Office of the Provost, Columbia University  
 From: Miriam Nightengale, Principal *M. Nightengale*  
 Re: Columbia University Faculty/Columbia Secondary School Staff Interactions  
 Updated: September 22, 2014

From June 13, 2014 – September 22, 2014, the staff and students at Columbia Secondary School for Math, Science, and Engineering have benefitted from the following interactions/services from the faculty and staff at Columbia University.

University Faculty/Staff Member	Department	CSS-MSE Staff Member	Project/Purpose	Time Period
[Redacted]	SEAS	[Redacted]	CSS students participated in summer research and design projects with the department of engineering through the "The Young Scholars Program," an existing program at Columbia that CSS aligned itself with to provide five students with scientific research and engineering design experience. The purpose of the program is to provide high school students with an integrated scientific research and engineering design experience. The students got hands-on lab experience in Columbia research laboratories, primarily mechanical engineering, by joining an existing project, and learned a variety of laboratory techniques and technologies from principal investigators and their graduate students. The students produced a detailed notebook cataloging laboratory work and engineering design efforts, their manufactured product, as well as a final poster and/or presentation.	August 2014
[Redacted]	Math Department	[Redacted]	Columbia and CSS are working together to host a MoSAIC Festival that will showcase the connections between math and art. The purpose of the festival, which is held at several U.S. universities each year, is to promote awareness and interest in mathematics through its connection to the arts. The festival will include a variety of hands-on workshops, lectures, a mathematical art exhibit, short films, and an area for informal exchange. It is designed to be easily accessible by audiences high school age and up. MoSAIC is a joint venture between The Mathematical Sciences Research Institute and The Bridges Organization.	September-October
[Redacted]	Zuckerman Mind Brain and Behavior	[Redacted]	CSS is working with Columbia's Zuckerman Mind Brain and Behavior Institute to include CSS students in its BRAINYAC Program, a program for students with an	Ongoing

University Faculty/Staff Member	Department	CSS-MSE Staff Member	Project/Purpose	Time Period
	Institute		interest in biomedical and specifically neuroscience research. Through the program, the students will learn basic neuroscience concepts and laboratory skills which will prepare them for a four-week research experience at a Columbia University Medical Campus (CUMC) neuroscience lab during the summer. The BRAINYAC program admits students with a stated interest in biomedical and neuroscience research who can commit to Saturday afternoon classes starting in January and the four week summer term (July-August). Starting in January, BRAINYAC students learn basic neuroscience concepts and laboratory skills that will prepare them for a four week mentored research experience in a CUMC neuroscience lab during the summer. Students receive a stipend for their participation.	
[REDACTED]	CU Teachers College	[REDACTED]	Helping to design and implement research and action steps to reduce student anxiety around science and to encourage persistence through increasingly difficult materials. Current work includes interviewing CSS students to determine attitudes around science and academic struggle and creating curricular materials to confront and alleviate anxiety and increase persistence.	Dec. 2013 – Ongoing
[REDACTED]	Office of the Provost	[REDACTED]	Improving existing admissions structures for CSS-MSE students to enroll in the University’s School of Continuing Education (SCE) through meetings with SCE and CSS staff. Continue providing outreach and introductions to University departments.	Weekly, monthly, ongoing
[REDACTED]	Office of Alumni and Development	[REDACTED]	Working with Principal Nightengale and board members of Friends of Columbia Secondary School (FOCSS) to increase financial support for CSS. Activities include: working with the Dean and staff of Columbia School of the Arts to consider a collaboration with CSS to be funded by the IMAX Corporation; working with a board member of FOCSS to develop a grant proposal to Dow Jones; identifying Columbia alumni who may be prospects for CSS; working with fundraising colleagues across Columbia to develop outreach plans for identified Columbia alumni; conducting foundation research; managing donor relations and gift negotiation for a principal gift donor; and working with SIPA faculty members and students to prepare a case of CSS.	Ongoing
[REDACTED]	Office of the Provost	[REDACTED]	Working with Vice Provost to promote CSS within Columbia.	Ongoing
[REDACTED]	CU Teachers College	[REDACTED]	Member of ongoing principal network engaged in monthly meetings related to the work of school improvement and implementing the new Common Core Standards and teacher evaluation system.	Ongoing
[REDACTED]	CU School of Continuing Education	[REDACTED]	Facilitating registration of CSS students in CU classes, including outreach to CU staff, refining a system to vet courses to ensure that they are suitable for CSS	Ongoing

University Faculty/Staff Member	Department	CSS-MSE Staff Member	Project/Purpose	Time Period
[REDACTED]		[REDACTED]	students, creating and delivering an orientation for CSS student registration.	
Various Faculty	CU Teachers College	[REDACTED]	Taking graduate courses in administration and specific specializations to further work at CSS-MSE.	Ongoing