



MSU GK-12 STEM PROGRAM  
“Fellows in the Middle”

**MATH & SCIENCE DAY**



June 3, 2011

Montclair State University, Montclair, NJ  
[www.csam.montclair.edu/gk12](http://www.csam.montclair.edu/gk12)

Program Directors:

Dr. Ken Wolff

Dr. Mika Munakata

Dr. Mary Lou West

2010-2011

GK-12

“Fellows in the Middle”

Maryam Alapa

Caitlin Ament

Leslie Cheteyan

Jonathan Hayes

Stewart Hengeveld

Nadia Pasquale

Diana Sanchez

Matthew Vieira

# Participating Schools

## TEACHERS AND PRINCIPALS

### Kearny

#### *Lincoln School*

Scott Fuchs	Mathematics
Jackie Howell	Mathematics
Paula Paglia	Mathematics
Nicole Caturano	Science
Jessica McMasters	Science
Rizern Martinez	Principal

#### *Schuyler School*

Miguel Marques	Mathematics
Elaine McCarthy	Science
Robert Zika	Principal

### Rutherford

#### *Union School*

Nicole Zayatz	Mathematics
Christopher Viola	Science
Kenneth Polakowski	Principal

# Program

Friday, June 3, 2011, 9-1:30

*Alphabetical list of presenters:*

## **Talks (25 minutes):**

### **Sandra Adams, Viruses and Diseases**

Session 6, 12 noon, in Student Center 411 for Rutherford Group A (8<sup>th</sup> graders),  
Session 7, 12:30, in Student Center 411 for Kearny Lincoln Group B (7<sup>th</sup> graders)

### **Maryam Alapa, Milk Tie-Dye**

Session 1, 9:30, in Annex 209 for Solomon Schechter Group A (7<sup>th</sup> graders),  
Session 2, 10:00, in Annex 209 for Kearny Lincoln Group C (7<sup>th</sup> graders)

### **Caitlin Ament , Discovery of DNA**

Session 4, 11:00, in Science Hall 131 for Rutherford Group D (8<sup>th</sup> graders),  
Session 5, 11:30, in Science Hall 131 for Rutherford Group G (8<sup>th</sup> graders)

### **Lora Billings, Modeling Diseases**

Session 4, 11:00, in Annex 209 for Rutherford Group H (8<sup>th</sup> graders),  
Session 5, 11:30, in Annex 209 for Kearny Lincoln Group D (7<sup>th</sup> graders)

### **Leslie Cheteyan & Stewart Hengeveld, Chutes & Ladders**

Session 1, 9:30, in Student Center 419, Solomon Schechter Group C (7<sup>th</sup> graders),  
Session 3, 10:30, in Student Center 419 for Kearny Lincoln Group D (7<sup>th</sup> graders)

### **Jonathan Cutler, Jump Rope Arithmetic**

Session 3, 10:30, in Richardson 231 for Rutherford Group H (8<sup>th</sup> graders),  
Session 4, 11:00, in Richardson 231, Solomon Schechter Group B (7<sup>th</sup> graders)

### **Victor Brito Guaman & Armando Yanez, Education in Ecuador**

Session 1, 9:30, in Annex 207 for Kearny Lincoln Group B (7<sup>th</sup> graders),  
Session 2, 10:00, in Annex 207 for Rutherford Group G (8<sup>th</sup> graders)

### **Jonathan Hayes, Tag, You're Sick!**

Session 1, 9:30, in Café A&B for Kearny Lincoln Group D (7<sup>th</sup> graders),  
Session 7, 12:30, in Annex 209 for Kearny Schuyler Group A (7<sup>th</sup> graders)

## **Talks continued...**

### **Lisa Hazard, Amphibian Diversity**

Session 1, 9:30, in Science Hall 131 for Rutherford Group A (8<sup>th</sup> graders),

Session 2, 10:00, in Science Hall 131 for Kearny Schuyler Group A (7<sup>th</sup> graders)

### **Aihua Li, Amazing Numbers**

Session 5, 11:30, Student Center 419 Kearny Lincoln Group B (7<sup>th</sup> graders),

Session 7, 12:30, Student Center 419 Solomon Schechter Group A (7<sup>th</sup> graders)

### **Dr. Amy Miller, A Veterinarian's Day**

Session 6, 12:00, in Annex 207 for Rutherford Group E (8<sup>th</sup> graders),

Session 7, 12:30, in Annex 207 for Kearny Lincoln Group A (7<sup>th</sup> graders)

### **Carlos Molina, Genetically Modified Organisms**

Session 5, 11:30, in Café A&B for Solomon Schechter Group A (7<sup>th</sup> graders),

Session 7, 12:30, in Café A&B for Kearny Lincoln Group C (7<sup>th</sup> graders)

### **Kevin Olsen, Liquid N<sub>2</sub>, Very Cool**

Session 1, 9:30, in Science Hall 126 Kearny Lincoln Group C (7<sup>th</sup> graders),

Session 2, 10:00, in Science Hall 126 for Rutherford Group B (8<sup>th</sup> graders)

### **David Trubatch, Magnetic Fluids**

Session 1, 9:30, in Richardson 231 for Rutherford Group F (8<sup>th</sup> graders),

Session 2, 10:00, in Richardson 231 for Rutherford Group H (8<sup>th</sup> graders)

### **Dirk Vanderklein, Attack of the Killer Plants**

Session 5, 11:30, in Annex 205 for Rutherford Group C (8<sup>th</sup> graders),

Session 6, 12:00, in Annex 205 for Kearny Schuyler Group A (7<sup>th</sup> graders)

### **Matthew Vieira, Ideal Gas Law Game**

Session 1, 9:30, in Annex 205 for Rutherford Group G (8<sup>th</sup> graders),

Session 2, 10:00, in Annex 205 for Rutherford Group A (8<sup>th</sup> graders)

*List of workshops on the next page*

## **Workshops (55 minutes):**

### **Emrah Altunkaya, Light**

Sessions 6 & 7, 12:00-1:00, in Richardson 226 for Rutherford Group D  
(8<sup>th</sup> graders)

### **Ann Marie DiLorenzo, Chromosome Story**

Sessions 5 & 6, 11:30-12:30, in Science Hall 126 for Kearny Lincoln Group A  
(7<sup>th</sup> graders)

### **Nina Goodey, Chemistry Magic**

Sessions 6 & 7, 12:00-1:00, in Richardson Hall 231 for Rutherford Group C  
(8<sup>th</sup> graders)

### **Nadia Pasquale, Gel Capsules**

Sessions 6 & 7, 12:00-1:00, in Richardson Hall 261 for Rutherford Group B  
(8<sup>th</sup> graders)

### **Physics Club, Exciting Physics Demos**

Sessions 4 & 5, 11:00-12:00, in Richardson Hall 226 for Rutherford Group E  
(8<sup>th</sup> graders)

### **Greg Pope, Busting up Rocks - Weathering**

Sessions 3 & 4, 10:30-11:30, Mallory Hall 351 for Solomon Schechter Group C  
(7<sup>th</sup> graders)

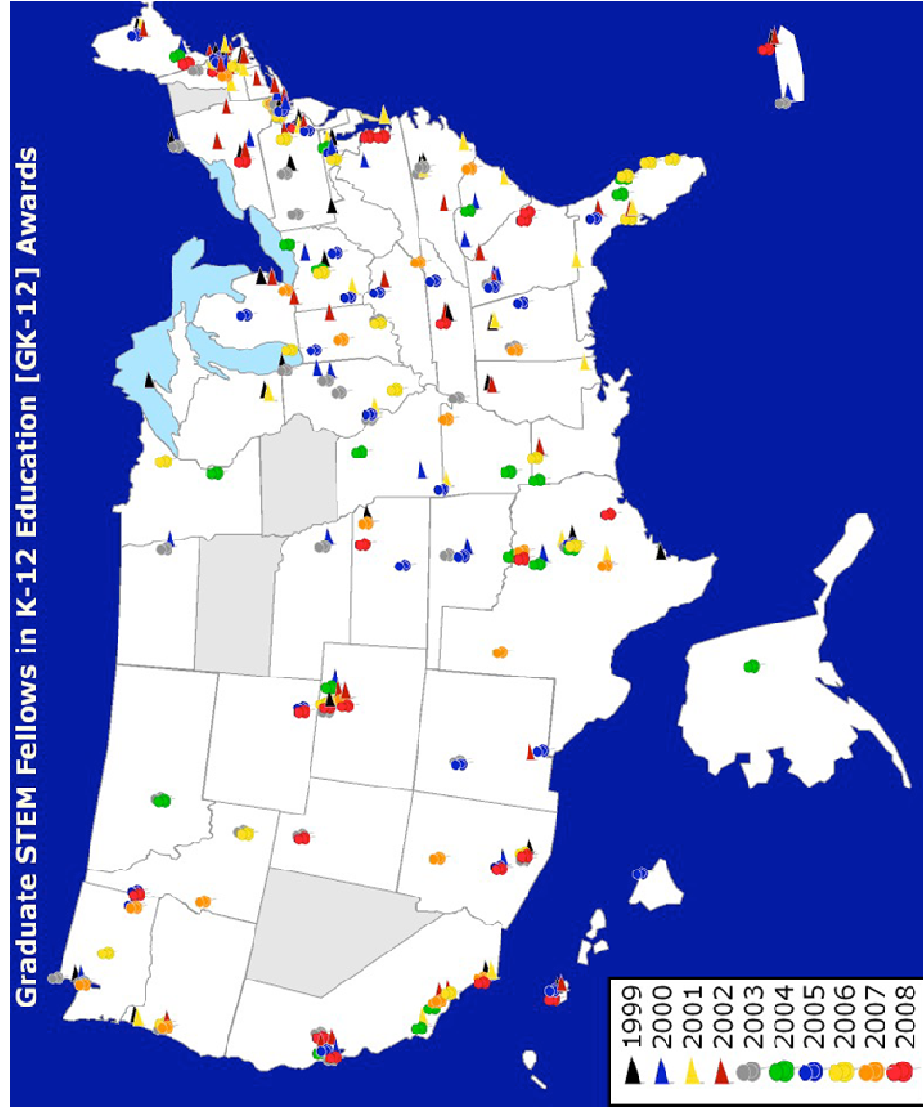
### **Bob Prezant, Diversity of Marine Life**

Sessions 2 & 3, 10:00-11:00, in Richardson Hall 261 for Rutherford Group F  
(8<sup>th</sup> graders)

### **Diana Sanchez, Change is Sweet**

Sessions 6 & 7, 12:00-1:00, Science Hall 131 for Solomon Schechter Group B  
(7<sup>th</sup> graders)

Graduate STEM Fellows in K-12 Education [GK-12] Awards



## Kearny Lincoln 7th grade Schedule

### Kearny Lincoln A

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	Tour	Plaza
2	10	Tour	Plaza
3	10:30	Posters	Ballroom
4	11	Lunch	Cafeteria
5	11:30	W, DiLorenzo	Science Hall 126
6	12	W, DiLorenzo	Science Hall 126
7	12:30	T, Miller	Annex 207
Closing	1	Wrap-up	Ballroom

### Kearny Lincoln B

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	T, Guaman/Yanez	Annex 207
2	10	Posters	Ballroom
3	10:30	Tour	Plaza
4	11	Tour	Plaza
5	11:30	T, Li	Student Center 419
6	12	Lunch	Cafeteria
7	12:30	T, Adams	Student Center 411
Closing	1	Wrap-up	Ballroom

### Kearny Lincoln C

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	T, Olsen	Science Hall 126
2	10	T, Alapa	Annex 209
3	10:30	Tour	Plaza
4	11	Tour	Plaza
5	11:30	Posters	Ballroom
6	12	Lunch	Cafeteria
7	12:30	T, Molina	Café A & B
Closing	1	Wrap-up	Ballroom

## Kearny Lincoln 7th grade Schedule

### Kearny Lincoln D

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	T, Hayes	Cafe A & B
2	10	posters	Ballroom
3	10:30	T, Cheteyan & Hengeveld	Student Center 419
4	11	Lunch	Cafeteria
5	11:30	T, Billings	Annex 209
6	12	Tour	Plaza
7	12:30	Tour	Plaza
Closing	1	Wrap-up	Ballroom

## Kearny Schuyler 7th grade Schedule

### Kearny Schuyler A

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	Posters	Ballroom
2	10	T,Hazard	Science Hall 131
3	10:30	Tour	Plaza
4	11	Tour	Plaza
5	11:30	Lunch	Cafeteria
6	12	T,Vanderklein	Annex 205
7	12:30	T,Hayes	Annex 209
Closing	1	Wrap-up	Ballroom

## Rutherford Union 8th grade Schedule

### Rutherford Union A

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	T, Hazard	Science Hall 131
2	10	T, Vieira	Annex 205
3	10:30	Tour	Plaza
4	11	Tour	Plaza
5	11:30	Posters	Ballroom
6	12	T, Adams	Student Center 411
7	12:30	Lunch	Cafeteria
Closing	1	Wrap-up	Ballroom

### Rutherford Union B

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	Posters	Ballroom
2	10	T, Olsen	Science Hall 126
3	10:30	Tour	Plaza
4	11	Tour	Plaza
5	11:30	Lunch	Cafeteria
6	12	W, Pasquale	Richardson 261
7	12:30	W, Pasquale	Richardson 261
Closing	1	Wrap-up	Ballroom

### Rutherford Union C

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	Tour	Plaza
2	10	Tour	Plaza
3	10:30	Posters	Ballroom
4	11	Lunch	Cafeteria
5	11:30	T, Vanderklein	Annex 205
6	12	W, Goodey	Richardson 231
7	12:30	W, Goodey	Richardson 231
Closing	1	Wrap-up	Ballroom

## Rutherford Union 8th grade Schedule (cont.)

### Rutherford Union D

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	Tour	Plaza
2	10	Tour	Plaza
3	10:30	Posters	Ballroom
4	11	T, Ament	Science Hall 131
5	11:30	Lunch	Cafeteria
6	12	W, Altunkaya	Richardson 226
7	12:30	W, Altunkaya	Richardson 226
Closing	1	Wrap-up	Ballroom

### Rutherford Union E

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	Tour	Plaza
2	10	Tour	Plaza
3	10:30	Posters	Ballroom
4	11	W, Physics Club	Richardson 226
5	11:30	W, Physics Club	Richardson 226
6	12	T, Miller	Annex 207
7	12:30	Lunch	Cafeteria
Closing	1	Wrap-up	Ballroom

### Rutherford Union F

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	T, Trubatch	Richardson 231
2	10	W, Prezant	Richardson 261
3	10:30	W, Prezant	Richardson 261
4	11	Posters	Ballroom
5	11:30	Lunch	Cafeteria
6	12	Tour	Plaza
7	12:30	Tour	Plaza
Closing	1	Wrap-up	Ballroom

## Rutherford Union 8th grade Schedule (cont.)

### Rutherford Union G

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	T, Vieira	Annex 205
2	10	T, Guaman/ Yanez	Annex 207
3	10:30	Posters	Ballroom
4	11	Lunch	Cafeteria
5	11:30	T, Ament	Science Hall 131
6	12	Tour	Plaza
7	12:30	Tour	Plaza
Closing	1	Wrap-up	Ballroom

### Rutherford Union H

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	Posters	Ballroom
2	10	T, Trubatch	Richardson 231
3	10:30	T, Cutler	Richardson 231
4	11	T, Billings	Annex 209
5	11:30	Lunch	Cafeteria
6	12	Tour	Plaza
7	12:30	Tour	Plaza
Closing	1	Wrap-up	Ballroom

## Guest School Solomon Schechter 7th grade Schedule

### Solomon Schechter School A

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	T, Alapa	Annex 209
2	10	Posters	Ballroom
3	10:30	Tour	Plaza
4	11	Tour	Plaza
5	11:30	T, Molina	Café A & B
6	12	Lunch	Cafeteria
7	12:30	T, Li	Student Center 419
Closing	1	Wrap-up	Ballroom

### Solomon Schechter School B

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	Tour	Plaza
2	10	Tour	Plaza
3	10:30	Posters	Ballroom
4	11	T, Cutler	Richardson 231
5	11:30	Lunch	Cafeteria
6	12	W, Sanchez	Science Hall131
7	12:30	W, Sanchez	Science Hall 131
Closing	1	Wrap-up	Ballroom

### Solomon Schechter School C

Session	Time	Activity	Room
Opening	9	Welcome	Ballroom
1	9:30	T, Cheteyan/	Student Center 419
2	10	Posters	Ballroom
3	10:30	W, Pope	Mallory Hall 351
4	11	W, Pope	Mallory Hall 351
5	11:30	Lunch	Cafeteria
6	12	Tour	Plaza
7	12:30	Tour	Plaza
Closing	1	Wrap-up	Ballroom

Favorite Activity:

Other comments:

# MAP OF BUILDINGS

