

Attention NJ GEAR UP Target School Science Teachers, Supervisors, and Coaches!

As you know, many of your students have been enjoying the benefits of NJ GEAR UP for the past several years. The program provides academic support and college readiness activities to prepare students for higher education. NJ GEAR UP also provides professional development opportunities for teachers.

We are now offering a two-day training for science educators in our NJ GEAR UP target schools. The **Science Teaching Excellence Program and Institute (STEP I)** will emphasize inquiry-based instruction across several content strands: ecology/environmental science, science practices and habits of science, life science, and anatomy and health. Teachers who participate in **STEP I** will build content and pedagogical knowledge consistent with the National Research Council recommendations for best science teaching practice.

STEP I will be provided to you **FREE** of charge as a result of your role as a middle or high school science educator in a NJ GEAR UP target school.

NJ GEAR UP will provide:

- Professional development hours (up to 12 hours for 2 days)
- In-class support at no cost (teacher must schedule visit (s) with presenter)
- Stipend based on completed activities

We are asking participants to:

- Create and submit 1 lesson on any of the strands presented
- Complete an online workshop evaluation form (s)

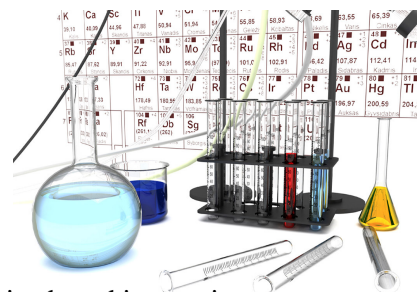
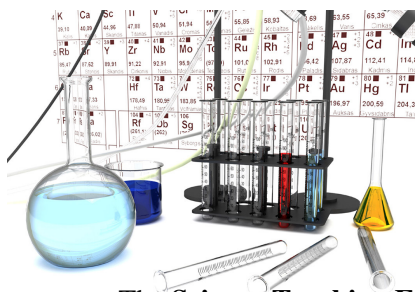
If you are interested in attending, please complete the attached registration form and fax to (609) 292-7225 **no later than Wednesday, September 29, 2010**. NJ GEAR UP will process your stipend as soon as you complete the institute, post your lesson online, and submit your online workshop evaluation form (s). If you do not submit this information, you will forfeit the stipend.

We hope that you will support this new initiative and encourage other GEAR UP target school teachers to take advantage of this opportunity. Please feel free to contact me at (609) 984-2699 or Kilpatry Cuesta at (609) 638-4401 or kilpatrycuesta@comcast.net if you have any questions or concerns.

Sincerely,

Michelle Johnson, M.A.
Director, NJ GEAR UP State Project

NJ GEAR UP State Project 2010 Science Teaching Excellence Program and Institute (STEP I)



The **Science Teaching Excellence Program and Institute (STEP I)** will emphasize inquiry-based instruction across several content strands; ecology/environmental science, science practices and habits of science, life science, and anatomy and health. Teachers who participate in this **two-day training** will build content and pedagogical knowledge consistent with the National Research Council recommendations for best science teaching practice. Teachers will earn up to 12 professional development hours.

Strand A: Ecology/Environmental Science

Participants will explore a range of topics that considers the science of food production. They will engage in activities that challenge them to consider how an environment supports or inhibits the development of an ecosystem. Conventional and alternative (organic) farming techniques may be explored as a vehicle for delivering real-world lessons to students. This strand will be appropriate for participants teaching grades 6-12.

Strand B: Science Practices and Habits of Science

Participants will explore a range of topics consistent with common science investigations, a unique approach to scientific methodology instruction. Participants will engage in activities that challenge them to consider what habits of mind are required to solve problems. This strand is appropriate for all grades K-12.

Strand C: Life Science/Anatomy and Health

Participants will explore topics related to public health that integrate principles of statistics, microbiology, health and disease. Participants will engage in a unit of epidemiology instruction available through the Young Epidemiology Scholars (YES) program website. Participants will also receive information about the YES research programs for students. This strand is most appropriate for grades 9-12.

Stipends and professional development hours will be provided as following:

Activity	PD hours earned based on activities completed	Stipend earned based on activities completed
<ul style="list-style-type: none"> • Attend Day I and Day II • Create 1 lesson based on strand; submit online • Complete online evaluation form for each PD day 	12	\$250.00
<ul style="list-style-type: none"> • Attend Day I or Day 2 • Create 1 lesson based on strand; submit online • Complete online evaluation form 	6	\$125.00
<ul style="list-style-type: none"> • Attend Day I or Day 2 • Complete online evaluation form 	6	A stipend will not be provided

NJ GEAR UP State Project
2010 Science Teaching Excellence Program and Institute (STEP I)
Questions? Contact Kilpatry Cuesta (609) 638-4401

Please print:

First Name: _____ Last Name: _____

Title/Grade (s): _____

School Name: _____

School E-mail: _____

Personal Phone Number _____

(in case of cancellation due to inclement weather)

Personal E-mail: _____

(If you prefer to receive information (registration confirmation, parking instructions, cancellation notices) on your personal e-mail please provide that email address. If a personal e-mail is not provided, information will be sent to your school e-mail.)

- I agree to complete an online workshop evaluation form (s) after each workshop. Once I complete the institute I will create and submit a strand-based lesson within one month of the last day of training. NJ GEAR UP will process my stipend once I submit all necessary information. If I do not submit these forms, I forfeit my stipend.**

Please select the date(s) you would like to attend. You can select a date outside of your region if the date/location is more convenient for you. If the training you selected is full you will be notified via your preferred e-mail.

Please fax form to (609) 292-7225 or e-mail to kilpatrycuesta@comcast.net no later than **Wednesday, September 29, 2010**

Southern Region: NJ GEAR UP Target Schools in Camden and Trenton

Mercer County Community College, West Windsor Campus Room, Communications Center (CM)
Room108 For directions, go to: [www. http://www.mccc.edu/welcome_directions_wwcampus.shtml](http://www.mccc.edu/welcome_directions_wwcampus.shtml)

Day I, Saturday, October 2, 2010, 6 PD hours

9:00 a.m. -12:00 p.m. Strand A: Ecology/Environmental Science

1:00-3:00 p.m. Strand B: Science Practices and Habits of Science

Day II, Saturday, October 16, 2010, 6 PD hours

9:00 a.m.-12:00 p.m. Strand C: Life Science/Anatomy and Health

1:00-3:00 p.m. Strand B: Science Practices and Habits of Science

Please fax form to (609) 292-7225 or e-mail to kilpatrycuesta@comcast.net no later than **Wednesday, November 10, 2010**

Northern Region: NJ GEAR UP Target Schools in Jersey City, Newark, and Paterson

New Jersey Institute of Technology, Guttenberg Information Technologies Center (GITC) Room 3730
For directions, please go to <http://www.njit.edu/about/visit/gettingtonjit.php>

Day I, Saturday, November 13, 2010, 6 PD hours

9:00 a.m. -12:00 p.m. Strand A: Ecology/Environmental Science

1:00-3:00 p.m. Strand B: Science Practices and Habits of Science

Day II, Saturday, November 20, 2010, 6 PD hours

9:00 a.m. -12:00 p.m. Strand C: Life Science/Anatomy and Health

1:00-3:00 p.m. Strand B: Science Practices and Habits of Science

NJ GEAR UP Target Schools Eligible to Participate:

Camden: Coopers Poynt ES, R.T. Cream ES, East Camden MS, Brimm Medical Arts HS, Camden HS, Creative & Performance Arts HS, Woodrow Wilson HS

Jersey City: PS #24 ES, PS #38 ES, PS #40 ES, PS #41 ES , Henry Snyder HS, Lincoln HS

Newark: Hawkins Street ES, Ridge Street ES, Barringer HS, East Side HS

Paterson: PS #2 ES, PS #6 ES, PS #10 ES, East Side HS, J. F. Kennedy HS

Trenton: Dr. Martin Luther King School (academic year 2010-2011), Joyce Kilmer ES, Grace Dunn MS, Hedgepeth-Williams MS, Trenton Central HS, including West campus