

Schedule of Programs – Wednesday October 14, 2009

Key (AS) All Sciences (B) Biology (C) Chemistry (ES) Earth Science (ENV) Environmental Science (F) Forensics (GI) General Interest (LS) Life Science (PS) Physical Science (P) Physics (S) Safety (SL) Science Leaders (SUP) Supervision (T) Technology

Wednesday 8:00 - 9:30

(116) 9-12 AS,B,Pedagogy Lecture

Time to Abandon Darwin? Teaching about Evolution and the Nature of Science

This talk reviews why teaching evolution is worth the struggle, reviews the Dover trial, presents the latest developments, and suggests strategies for teaching.

Presenter(s): Dr. Joseph S. Levine, Pearson Education

Session Chair:

(117) 9-12 T Lecture

Free Online Tools for Educators

Explore a variety of internet based tools and techniques for organizing, presenting, and sharing inside and outside of your classroom.

Presenter(s): Barbara De Santis, Samsel Upper Elementary School

Session Chair:

(118) K-4 AS Hands-on

Meaningful Segues, Fillers, Do-Nows, Informal Formative Assessments

Explore some quick, engaging, grade 3-5 science activities and ideas designed to tie concepts together, pique student interest or introduce new topics.

Presenter(s): Sue Coletta, Rutgers Waksman Institute; Nina Visconti-Phillips, President NJSTA, Consultant

Session Chair: Sue Coletta

(119) 9-12 AS,GI,T Discussion

Using iPods, iMovie, and Wikis in the Science Lab

Incorporate innovative and engaging strategies using 21st Century tools as way of collecting and presenting lab data. Encourage collaboration and critical thinking with these student-centered activities.

Presenter(s): Rebecca McLelland-Crawley, BTANJ; Sharon Nagy-Johnson, Perth Amboy Public Schools

Session Chair: Rob Richard

(120) K-12 AS Hands-on

Probeware Solutions You Can Afford!

Bringing probeware technology into your science classroom is easier and less expensive than ever. Come try our Go! products and Vernier LabQuest. Learn grant information.

Presenter(s): Gretchen Stahmer DeMoss, Vernier Software & Technology

Session Chair:

Wednesday 8:00 - 9:00

(121) 9-12 AS,T Hands-on

Using the Modeling Method of Teaching in the Middle School/High School Science Classroom

This workshop is designed to provide physics and physical science teachers with activities, experiences and background needed to improve their physics instruction. The Modeling, Method infuses guided inquiry based learning with technology.

Presenter(s): Craig Buszka and Jason Sullivan, Montgomery HS

Session Chair:

(122) 9-12 C Hands-on

Make and Take: Explosions

Explosions are a "hook" in chemistry classes. At this session we will assemble three devices to illustrate combustion. Cost: \$10.00

Presenter(s): Bettyann Howson, Retired; David Lee, Retired

Session Chair:

(123) K-5 ES,LS,PS Demo

Aha! Science - Web Delivered Elementary Science

Aha! Science is a web-delivered supplemental science curriculum. Broad concept coverage and interactive content and instruction give teachers the tools to help students become science thinkers.

Presenter(s): Kathy Scott, Learning.com

Session Chair:

(124) 9-12 AS Lecture, Demo

Technologies that can improve student achievement in Physics.

The Present will demonstrate effective use of online technologies that can improve student achievement and participation in Physics through demonstration of a dynamic website which creates a link between teacher and students.

Presenter(s): John Park, Ridgefield Memorial HS

Session Chair:

Wednesday 8:15 - 9:15

(125) 9-12 C Demonstration

Demo Den: Bonding II

Series of demonstrations illustrate several bonding concepts. Manipulatives will be used to show 3D structures of molecular geometry and bond hybridization.

Presenter(s): Irene Sawchyn, Oak Knoll School; Eve Krupka, Retired; Claire Miller, Madison HS; Kris Bedient, Manalapan HS;

Darlene Asselin, Oak Knoll School

Session Chair:

Wednesday 8:30 - 10:00

(126) K-12 AS Hands-On

Interactive Wii Whiteboard Make and Take

Bring an interactive whiteboard into your classroom for less than \$100 using Nintendo Wii Technology. Bring \$5 to make your Infra-Red (IR) pen and get free software (Limited to first 25 participants).

Presenter(s): Tom Paterson, Scotch Plains Fanwood HS

Session Chair:

(127) K-12 AS,SUP,SL Lecture

After the Data: Assessing Potential Program Revisions

After we determine the concepts that students find challenging, and identify items that approximately assess those concepts, how do we move forward? How do we determine the most effective instructional approaches?

Presenter(s): Dr. Joseph L. Zawicki, NYSELA President, SUNY College at Buffalo; Connie Duff, Hilton CSD (retired)

Session Chair: Vince Parisi, NJSELA President

(128) K-12 B,ENV,GI Hands-on

Project Learning Tree and NJ Forest Fire Resources for Your Classroom

Discover hands-on activities and interactive, free resources for your classroom, school and community, including service-learning opportunities and grants.

Presenter(s): Elizabeth Faircloth, NJ Project Learning Tree; Gregory McLaughlin, NJ Forest Fire Service

Session Chair: Barbara Pietrucha

Wednesday 8:30 - 9:30

(129) 5-8 AS,C,PS Hands-on

SEPUP: Energy Explorations

Participants follow the transformation of energy from one form to another, make a wet cell battery, and explore how different metal electrodes impact battery output.

Presenter(s): Dr. Eva M. Ogens, Jersey City Public Schools

Session Chair: Dr. Craig Valenti

(130) K-4 AS Hands-on

Who's In Charge Here?

Inquiry based science activities for the K-4 classroom. Focus on empowering students to take charge of their learning, asking questions that lead to independent investigation.

Presenter(s): Shana Ponna, Elizabeth Ave. School; Audra Wood, Pine Grove Manor School, Franklin Twp.

Session Chair: Dr. John Roberts

(131) 9-12 P,PS Lecture

Fun With Light

The color spectrum, color addition and subtraction, and the properties of light will be demonstrated. Demos, activities, and labs will be discussed. Handouts will be available.

Presenter(s): Raymond A. Polomski, Retired

Session Chair:

(132) 5-8 GI,PS,P Hands-on

Energy Cars and Motion Studies

Using "Energy Cars" from CPO Science, participants examine distance and velocity relationships, inertia, momentum, friction and experimental design issues. Participants receive a text and investigation manual.

Presenter(s): Dr. G. Kip Bollinger, CPO Science

Session Chair:

(133) 9-12 C Lecture

Hotel Atom and Magic Triangles..easy ways to teach hard things!

Fun, easy way to teach electron configuration and stoichiometry. Excellent for lower level courses and great as an introductory analogy with higher levels. Surprise demos!

Presenter(s): Dave Foster and Mike Scoblete, West Morris Mendham HS

Session Chair: Bruce Taterka

(134) K-8 AS Discussion, Demo

Meeting and Exceeding the Elementary and Middle School Science Assessment

Using a digital microscope to help students understand measurement, teachers will provide whole group instruction with digital technology that will make measurement assessment easy to implement.

Presenter(s): David Doty, Swift Optical Instruments; David Sandomir, Micro-Optics

Session Chair:

(135) K-12 GI Lecture

Mindsets: How they effect teaching and learning in Science

This workshop will identify and explain the two basic types of mindsets- fixed and growth- as identified by Carol Dweck and her colleagues in their research. Effective teaching strategies will be discussed.

Presenter(s): Angela Green, South Plainfield HS

Session Chair:

(136) 2-12 C,GI Hands-on

Celebrating National Chemistry Week in Your School or At Liberty Science Center

This year's theme is "Chemistry...It's Elemental". Learn about resources and share ideas to energize and excite your students.

Presenter(s): Bobbi Gorman, Retired; Gail Weeks, Elisabeth Morrow School, Englewood

Session Chair:

(137) 5-8 PS Hands-on

Energy Conversions For Everyone!

This presentation is a hands on experience to provide the educator with ways to teach energy conversions using a variety of station work and lab work that is both visual and interesting to students!

Presenter(s): Susan Spencer Goldstein, Thomas Jefferson MS, Fair Lawn

Session Chair:

(138) 5-8 B,ES Lecture, Discussion, Demo

Fossils : What They Are & Have to Do with Us

What are fossils exactly? Where are they? What good are they? What do they have to do with me? How can I get some?

Presenter(s): Jonathan Gaffin, Trenton Public Schools

Session Chair:

Wednesday 8:45 - 9:45

(139) K-12 AS, T Lecture

Technology and its uses in 21st Century Education

Variety of engaging technologies which are free and available for use in the 21st Century classroom.

Presenter(s): Cheryl Zanone, Robert R. Lazar MS

Session Chair:

Wednesday 9:15 - 10:15

(140) 5-8 AS Demo

The Maitland Simmons Memorial Scholarship Institute Presents: Middle School Demo Den

Former attendees of the Maitland Simmons Memorial Scholarship Institutes will WOW you with our Middle School Demos. Come find something that you can do in your classroom tomorrow!

Presenter(s): Patti Duncan, Maitland Simmons Memorial Scholarship Institute 2009 Participants

Session Chair:

Wednesday 9:30 - 11:00

(141) K-12 AS,T Lecture, Demo

Teaching Physics with Clickers

Using clickers allows you to assess student's knowledge, provide immediate feedback and increase participation. I>clickers are easy to learn and easy to use. Program limited to first 24 Participants.

Presenter(s): Tiberiu Dragoiu-Luca, Hillsborough HS

Session Chair:

Wednesday 9:30 - 10:30

(142) K-8 AS Demo

Science Through Song

Collection of original songs, by a middle school science teacher, designed for the listener to gain an understanding of "Scientific Concepts" with minimal effort.

Presenter(s): Leigh A. Russ, South River MS

Session Chair:

(143) 6-12 AS, Science Fairs Hands-on

Science and Inquiry

Teachers attending this workshop will experience science through Inquiry, discussion and hands-on experience to see/evaluate what true Inquiry in the classroom is like.

Presenter(s): Barbara Lorenzon and Richard Close, Delaware Valley Science Fairs

Session Chair:

(144) K-12 AS Lecture, Discussion

Science Writing Contests

Learn how to find and use science writing contests to develop student writing skills, help students and teachers gain recognition and win cash awards.

Presenter(s): Dorothy Bognar, Ramapo College

Session Chair:

(145) 9-12 C Hands-on

Make and Take: Discrepant Events - Demos that Defy Common Sense

Liquid disappears & reappears, volumes that do not add up, and liquids that do not reach equal levels in a container. Cost: \$15.00

Presenter(s): David Lee, Retired, Mountain Lakes HS; Bettyann Howson, Retired

Session Chair: Pat Mascolino

Wednesday 10:00 - 11:30

(146) 9-12 P,PS Lecture, Discussion

Simple Real Physical Science Lab Activities that Focus on Concepts

Here are a handful of simple but not simplistic laboratory activities that force students to think and dig for important underlying concepts in physical science.

Presenter(s): Dr. Elliot Richman, Ramapo HS

Session Chair:

(147) 5-8 AS Hands-on

On the Road with the Rutgers Science Explorer

Learn how the Rutgers Science Explorer - our 40 foot Bus - can visit your school while sampling some representative activities targeting middle school students.

Presenter(s): Dr. Kathleen Scott and Aly Busse, Rutgers University M.S.L.C.

Session Chair: Sue Coletta

(148) 9-12 AS Hands-on

Inquiry-based Science with Vernier

Do you want to move from traditional, structured labs to true inquiry-based labs? Come see how easy it is to adapt a traditional lab.

Presenter(s): Gretchen Stahmer DeMoss, Vernier Software & Technology

Session Chair:

(149) 5-8 AS,GI,SL Hands-on

How Many Enchiladas At The Lunch Stop On Your Way There?

An interesting mix of geography, physical science, mathematics, a little astronomy and novel facet of technology in this 92% hands-on workshop you can use.

Presenter(s): Dr. Mitch Batoff, Past President, NJSTA

Session Chair:

(150) 5-8 AS Hands-on

Science Integration (into Elementary Curricula): Easier than you Think!

Let's use these learning strategies to engage our students in the scientific process—using simple techniques and supplies you have/can easily obtain...and have FUN!!

Presenter(s): Mary Ellen McMillan, Hillel HS

Session Chair:

Wednesday 10:00 - 11:00

Exhibits Area Special Considerations For Biology

This hour has been scheduled for Biology Teachers to visit the Exhibits area

(151) K-4 ES Hands-on

Easy Earth Science Investigations

Participants will take part in easy Earth Science activities that will help them show their students the wonders of the earth around them.

Presenter(s): Dr. Darryl Fosbrook, MacAfee Rd School

Session Chair:

(152) K-8 AS,T Hands-on

SPARK-ing 21st Century Science Learning in your K-8 Classroom!

Learn how probeware engages and motivates teachers and students while learning more in a single lab period using 21st Century science methods and tools like our SPARK science system.

Presenter(s): Carla Johnson, PASCO scientific

Session Chair:

(153) K-12 ES,GI,T Lecture, Discussion, Demo

High-Tech Earth Science!

Tackling the challenge of integrating technology with middle and high school earth science lessons for students of all levels.

Presenter(s): Christopher Duvall, Chatham HS; Angela Best, Applegarth MS

Session Chair:

(154) K-12 AS,GI Lecture, Discussion

18th Annual NJ Science Olympiad

This is an introduction for new coaches and those who want to start a team. Find out how grades 3-12 can compete and succeed.

Presenter(s): Jennifer Wirt, NJ Science Olympiad; Sallee Lord, East Amwell ES; Martha Kubik, West Amwell ES, Karen Galley, West Windsor-Plainsboro HS South

Session Chair: Irma Gahan, Retired

(155) 5-8 ES Hands-on

Evidence and Significance of Plate Tectonics

We will investigate models that build understandings of plate tectonics, mountain building, weathering and erosion. These help teachers present significant theories in a concrete manner. Includes CPO earth science material.

Presenter(s): Dr. G. Kip Bollinger, CPO Science

Session Chair:

(156) 9-12 ES,ENV Panel

How not to go APE teaching AP Environmental Science (APES)

Join us for a roundtable discussion to share content, methods, ideas, and experiences in teaching APES. Thinking about APES for your school? Join us too!

Presenter(s): Hope Kowalski-Porta, Chatham HS; Louise Jasko, East Brunswick HS,

Session Chair:

(157) 9-12 C,GI Lecture, Demo

“Create Your Own Extreme Chemistry Experiments - Yenka Chemistry Software”

Enhance students' lab experience with Crocodile Chemistry software, an interactive, fun virtual lab where students can create realistic experiments. Free demo disks.

Presenter(s): Dave Barnes, Arbor Scientific

Session Chair:

(158) 5-8 AS,Special Education Lecture

Resource Center Teaching Strategies

Learn to incorporate successful science lessons, videos, field trips and hands on experiments into a varied curriculum in a special education classroom.

Presenter(s): Barry Schwartz, Glenfield MS

Session Chair:

Wednesday 10:15 - 11:45

(159) 5-8 AS,GI Discussion

The Scientific Method & The Writing Process: an Instructional Dynamic Duo

Concerned about your students' writing in science? Attend this workshop taught by a language arts, special education and science teacher who have been successful.

Presenter(s): Phyllis Mordente and Gloria Clausen, Mountain View School, Mendham

Session Chair:

Wednesday 10:30 - 12:00

(160) 9-12 ENV Hands-on

Regulating Carbon Dioxide - A Simulation for the High School Environmental Science Classroom

Students play the roles of utility companies who must reduce CO2 emissions under both a carbon tax system and a cap-and-trade system.

Presenter(s): Bruce Taterka, Mendham HS

Session Chair: David Foster

(161) K-8 S Demonstration

Classroom Museums

Discover how students can create interactive science museums to demonstrate their knowledge acquisition and concept understanding. Examples of five different museums will be showcased.

Presenter(s): Lynn Astarita Gatto, NSTA District IV Director, University of Rochester

Session Chair: Nina Visconti-Phillips

Wednesday 10:30 - 11:30

(162) K-12 GI,PS,T Hands-on

Fun Filled Learning Through Flight

Exciting aviation and space activities that can be used to enhance and enrich your curriculum. Aerospace Resources will also be available.

Presenter(s): Jerry Iacona, NJ Aviation Ed. Council

Session Chair:

(163) 9-12 P Demo

Physics Demo Den: A Demo a Day – A Year of Physics Demonstrations

The authors of the book will survey best practices used in presenting demonstrations and will present a series of demos that may be performed over the course of a year.

Presenter(s): Borislav Bilash II, Pascack Valley HS; David P. Maiullo, Physics Dept, Rutgers University

Session Chair:

(164) 9-12 P Hands-on

Active Physics

Learn about Active Physics, a NSF funded physics course that follows a project-based guided inquiry design and is successful for all levels of students.

Presenter(s): Gary Curts, IT'S ABOUT TIME

Session Chair:

Wednesday 11:00 - 12:30

(165) 5-8 AS Lecture

Ellis Island...Without Science, History Could Not Have Been Made!

Ellis Island provides a unique narrative to examine the role of science in immigration policy and trends. Materials created and presented by Ellis Island Ambassadors.

Presenter(s): Barbara De Santis, Samsel Upper Elementary School; Cynthia A. Jenkins, Pond Road MS, Robbinsville; Beth Topinka, Millstone Township

Session Chair: Juta Nolan

Wednesday 11:00 - 12:00

(166) 9-12 B,G,ILS Lecture

Teacher-Generated Materials and FREE Resources from the Howard Hughes Medical Institute Holiday Lectures on the Brain, Memory and Nerve Cell Communication.

Join us for an overview of this year's program on the brain. View highlights, animations, video clips, a virtual lab and learn the latest brain research. Free DVDs and posters.

Presenter(s): Anthony Bertino, University at Albany, NY; Patricia Nolan Bertino, Scotia-Glenville HS, Scotia, NY

Session Chair:

(167) K-12 AS,GI,SUP Lecture

Learning is Central to a Professional Learning Community

PLCs connect educators. Central to the success of any PLC is learning. RAC-CEMS seeks professional development connections opportunities that include PLCs for professional development providers.

Presenter(s): Connie K. Duff and Dr. Sara Silverstone, RAC-CEMS, University of Rochester, NY

Session Chair:

(168) K-12 AS Hands-on

Hands On Fun With Some Truly Interactive Classroom Activities

Hands-on, interactive workshop focusing on fun lessons and effective student evaluations more effective and engaging by using wireless response remotes.

Presenter(s): Bill Stevens, Eduware Inc.

Session Chair:

Wednesday 11:30 - 1:00

(169) K-4 AS,ES,ENV Hands-on

Guided Inquiry Science labs for the Elementary Classroom

Introduce guided inquiry science into your elementary classroom with these hands-on science activities based on the NJCCCS.

Presenter(s): Marie Carnese and Lauren Bodner, Franklin Park School, Franklin Twp.

Session Chair: Dr. John Roberts

(170) 5-8 GI,PS,T Hands-on

Simple Machines Aren't so Simple After All: A K'NEX Workshop from Fisher Science Education

Simple Machines for middle school science classrooms. Working models allow students to explore complex concepts safely and easily. Learn strategies to help students design experiments.

Presenter(s): Robert O. Jesberg, K'NEX Education

Session Chair:

(171) K-12 AS,GI,SL Hands-on

The Research Investigation Process (RIP) and Inquiry-Based Learning

Participants (students) will lead a scientist-educator guided scientific research investigation, using the RIP, that addresses standards and can be taken directly into the classroom.

Presenter(s): Dr. Robert Landsman, ANOVA Science Education Corporation

Session Chair: Irene Kamimura

Wednesday 11:30 - 12:30

Exhibits Area Special Considerations For Chemistry

This hour has been scheduled for Chemistry Teachers to visit the Exhibits area

(172) 5-8 B,LS Hands-on

Critters in the Classroom

Teachers of life science will enjoy this hands on workshop. Learn methods and techniques for making your classes literally come alive with live animals.

Presenter(s): Steven A. Guglich, Lawton C. Johnson Summit MS; Matthew Buntin, Summit Police Department

Session Chair: Irma Gahan, Retired

(173) K-12 AS Demo

The Elmo Document Camera in the Science Classroom

Along with the capability to show objects and text on a large screen, the Elmo TT-02S document camera makes it simple to show microscope slides to the entire class.

Presenter(s): Corey Moss, Audio Visual Associates Jim Hurst, Symco

Session Chair:

(174) 9-12 C Demonstration

Demo Den: Dazzling Demos to Teach Reactions

Demos for different reaction types, that can be used in the classroom to inspire students and explain chemical reactions, will be presented.

Presenter(s): Mita Chaki, Franklin HS; Susanne Iobst, Passaic Valley HS; Paul Sekuler, J.P. Stevens HS, Edison; Martin Goldman, Rahway HS; Marilyn Gorman, Retired

Session Chair: Pat Mascolino

(175) 9-12 B,LS Demonstration

Using Probeware Technology to Update Lab Experiments

Demonstration using probeware technology to add life to tried and true enzyme lab that encourages critical thinking skills.

Presenter(s): Tammy Bombard, Montville HS

Session Chair: James Kirby

(176) K-12 AS Discussion, Demo

Digital Forensic Made Easy on a low cost budget

Motic trace is the software everyone has been waiting for. No need to buy expensive comparison microscopes. Turn your existing microscopes into comparison scopes and break into forensics without breaking the bank.

Presenter(s): David Doty, Swift Optical Instruments; David Sandomir, Micro-Optics

Session Chair:

(177) 9-12 AS Lecture

The 2010 Panasonic Creative Design Challenge

The Panasonic Creative Design Challenge is a team design competition for high school students. This workshop describes the competition and this year's challenge.

Presenter(s): John Carpinelli, New Jersey Institute of Technology

Session Chair:

(178) 9-12 PS, P Discussion

NJAAPT Physics Teacher Roundtable

Meet with you NJAAPT Executive Board to discuss you needs and concerns. State and national association materials shared, new members are welcome.

Presenter(s): Joseph Spaccavento, North Arlington HS/NJAAPT

Session Chair:

(179) K-8 PS Lecture, Demo

If You Can't Take The Pressure, Get Out Of The Classroom

Pressure and density can be difficult topics to teach. Educational Innovations carries awesome products that fit your budget to teach these concepts. Teachers in grades 4-8 will discover great ideas they can immediately use in their classrooms.

Presenter(s): Tami O'Connor, Educational Innovations, Inc.

Session Chair:

Wednesday 12:00 - 1:30

(180) 9-12 C,F Lecture, Discussion

Simple Real Chemistry Lab Activities that Focus on Concepts

Here are a handful of simple but not simplistic laboratory activities that force students to think about basics and dig for underlying concepts in chemistry.

Presenter(s): Dr. Elliot Richman, Ramapo HS

Session Chair:

(181) 9-12 PS,P,SL Hands-on

Newton's Second Law (What is the relationship between Force and Motion?)

The presentation is a hands-on activity utilizing the CPO SCIENCE Energy Car and Track and Photogate Timer to verify Newton's Second Law.

Presenter(s): Louis Fellner, CPO Science

Session Chair: Kip Bollinger

Wednesday 12:00 - 1:00

(182) 5-8 AS Discussion

Ready to Use Real Time Data Lessons

Looking for real-time data lessons that don't require extra preparation? Come review online lessons that meet NJ standards.

Presenter(s): Laura Dunbar, Sea Girt Elementary

Session Chair:

(183) K-8 ES Hands-on

Maitland P. Simmons Memorial Institute Share a thon

Come see what teachers did with the materials they received from previous Maitland P. Simmons Memorial Institutes!

Presenter(s): Linda Smith, Paulsboro Public Schools

Session Chair: Roberta Conner

(184) K-12 AS Hands-on, Discussion

Visual and Hands-On Learning

Would you like to use more high-quality visuals, hands-on activities, and simple learning kits? Learn to create your own or purchase them.

Presenter(s): Michael Berkowitz, K8resources

Session Chair:

(185) K-12 ES,ENV,GI Hands-on

What's New in the World of WET (Water Educaton for Teachers?)

Come learn about the other types of programs offered by the New Jersey Project WET program, and the mini grants offered to run either a Water Festival (K-8) or a Watershed Stewards Program (9-12) at their school.

Presenter(s): Kevin Kopp, NJ Project WET

Session Chair:

Wednesday 12:15 – 1:15

(186) K-4 ENV,LS,SL Demo

CROW Project - Connecting Reading thurgh the Outside World!

This project engages elementary students and their families in exploring their own backyard. It promotes reading and technology through discovery backpacks.

Presenter(s): Nancy Yard, Carol Loftus and Carrie Grundhauser, Holland Township Schools

Session Chair:

Wednesday 12:30 - 2:00

(187) 9-12 B,G,LS Lecture, Demonstration

Teacher-Generated Materials, Demos and FREE Resources from the Howard Hughes Medical Institute on HIV.

Free resources on HIV: evolution, life cycle, effects on the immune system, drugs and vaccines. Teacher generated demos, free HHMI DVDs and CD-ROMs will be distributed.

Presenter(s): Anthony Bertino, University at Albany, NY; Patricia Nolan Bertino, Scotia-Glenville HS, Scotia, NY

Session Chair:

Wednesday 12:30 - 1:30

(188) K-12 AS,PS,P Lecture

Air Powered Projectile: A fun, safe, and repeatable "Rocket" Lab for teaching Projectile Motion

This presentation will highlight how to use the Air-Powered Projectile in your classroom. Hands-on vertical and angled rocket launch will be featured.

Presenter(s): Buzz Putnam, Whitesboro HS

Session Chair:

(189) K-12 ENV,SL,SUP Discussion

No Child Left Indoors - The New Draft Course Outline for Environmental Science in New Jersey

Join Michael Heinz from the NJDOE Office of Math and Science Education for a discussion on the environmental NJCCCS and the draft course outline for environmental science.

Presenter(s): Rebecca McLelland-Crawley, BTANJ; Michael Heinz, NJDOE Office of Math and Science Education

Session Chair: Rob Richard

(190) 9-12 P Demo

Physics Demo Den: Modern & Astronomy

Members of NJAAPT will present a series of demonstrations that be performed in the classroom.

Presenter(s): Borislav Bilash II, Pascack Valley HS; David P. Maiullo, Physics Dept, Rutgers University

Session Chair:

(191) 9-12 C Hands-on

Active Chemistry

Learn about Active Chemistry, a NSF funded chemistry course that follows a project-based guided inquiry design and is successful for all levels of students.

Presenter(s): Gary Curts, IT'S ABOUT TIME

Session Chair:

Wednesday 1:00 - 2:30

(192) K-12 B,ENV,LS Hands-on

Geocaching.... Finding treasure in the outdoor classroom!!

Innovative activities using a GPS Device to enhance your outdoor classroom through the sport of geocaching.

Presenter(s): Eric Guise and Nick Johnson, Hopewell Valley Central HS

Session Chair: Nick Johnson

(193) K-12 LS Discussion

Using Inquiry to Increase Metacognition

Use inquiry activities and guide your students to become aware of their metacognitive strengths and weakness and regulate them.
(Lecture, discussion, Q&A plus classroom ideas)
Presenter(s): Nicole Shea, Rutgers Graduate School of Education
Session Chair:

Wednesday 1:00 – 2:00

Exhibits Area Special Considerations For Earth Science

This hour has been scheduled for Earth Science Teachers to visit the Exhibits area

(194) 5-8 GI Hands-on

Inquiry by Design: Houston We Have a Problem

Challenge your students to go beyond the scripted nature of typical guided inquiry lessons through the use of design briefs. Sample cd's will be available.

Presenter(s): Dr. Bill Metz, Retired

Session Chair:

(195) 9-12 B, Laboratory Skills Lecture, Discussion

Designing Authentic Lab-based Practicals to Assess Lab Skills and Critical Thinking

Why not assess student understanding of supplemental lab investigations via performance-based practicals aimed at reinforcing physical lab skills and critical thinking emphasized in the investigation?

Presenter(s): Meghan R. Smith, Chatham HS

Session Chair:

(196) 9-12 C Lecture

Creative Assessment in Chemistry

The program will highlight creative projects and grading techniques that can be done to enhance the chemistry curriculum, satisfy state content standards and broaden the variety of assessments offered for students.

Presenter(s): Allyson Moreno, Morris Hills HS

Session Chair: Tom Smock

(197) 5-8 AS,LS, Special Education Discussion

ICS in the Science Classroom

Help your students achieve success in an In-class Support class by understanding and supporting the role of the ICS Teacher in the science classroom.

Presenter(s): Cara Johnson and Janice Cavanagh, LCJ Summit MS

Session Chair:

(198) K-12 AS Lecture, Discussion, Demo

Net Zero Energy – Buildings as Learning Tools for Science, Math, Engineering & Technology

This talk will expose the audience to buildings impact on the environment, walk through the 31 Tannery Project (first fully documented Net Zero Electric building).

Presenter(s): Edward H. Brzezowski, P.E., LEED AP, Noveda Technologies

Session Chair:

(199) 5-12 AS Hands-on

Using Online Labs to Maximize Learning and Minimize costs

Smart Science Labs give students the closest experience possible to a real lab on the computer at a fraction of the cost.

Presenter(s): Edward Keller, Smart Science Labs

Session Chair:

Wednesday 1:30 - 3:00

(200) K-12 AS,GI,SL Hands-on

Uncertainty in Scientific Inquiry: Using Information and Error in Decision Making

Engage in a brief scientific inquiry to learn how to make decisions about a hypothesis based on data.
Presenter(s): Dr. Robert Landsman, ANOVA Science Education Corporation
Session Chair: Irene Kamimura

Wednesday 1:30 – 2:30

(201) K-4 ENV,PS Hands-on

Science Practices in the Elementary Classroom

An inquiry approach to the use of hands-on experiments and the development into science investigations through Standard 5.1, Science Practices.

Presenter(s): John T. Roberts, Franklin Township Public Schools; Mary Szczepanik, Brookside School, Monroe Township
Session Chair: John Roberts

(202) 9-12 C Demonstration

Demo Den: Acids and Bases Demonstrations

Many colorful and fun demonstrations to aid teaching of acids and bases.

Presenter(s): Bob Corell, Janine Mikulca, and Renee Szporn, Princeton HS; Allene Johnson, Retired
Session Chair:

(203) 5-8 AS Hands-on

STRETCH: Science Skills and Techniques to Rapidly Ease the Transition into Curriculum in High School

Tips, tricks and skills that will help your middle school students become more successful Science students in High School.

Presenter(s): Mary Ellen McMillan, Hillel HS
Session Chair:

(204) 9-12 C,PS Demo

My Favorite Gas Law Activities, Labs, and Demos

This program will include activities and demos for Boyle's Law, Charles' Law, Gay Lussac, gas density, and gas solubility. We will collect data for 2 easy Gas Law Labs using Pasco probes and graphing our results in excel.

Presenter(s): Fran Zak, Pascack Valley HS
Session Chair:

Wednesday 1:45 – 3:15

(205) 9-12 AS,GI,T Demo

Open source modeling tools in math and science education--If it's free it's for me!

Simulation software for the math and science classroom will be presented, with an emphasis on tools that are free for classroom use.

Presenter(s): David Joiner and Edward Farnum, NJ Center for Science Technology and Mathematics, Kean University
Session Chair:

Wednesday 2:00 - 3:30

(206) K-12 AS,GI,T Discussion

Simply Amazing! Student Creativity Unleashed

Students love to be creative. Let that creativity loose. Student-produced videos are a creative outlet and a form of authentic assessment.

Presenter(s): Robert Penrose, PSTA President, United High School, Armagh, PA
Session Chair: Nina Visconti-Phillips

(207) K-12 AS,GI,SL Hands-on

The Demon-Haunted World: Science As A Candle In The Dark

Experience a novel use of a well-known activity as a springboard to some significant questions and Carl Sagan's "Baloney Detection Kit.." Receive a useful handout.

Presenter(s): Dr. Mitch Batoff, Past President, NJSTA

Session Chair: Juta Nolan

Wednesday 2:00 - 3:00

(208) K-12 AS,PS,P Lecture

Energize your Classroom with Discrepant Events: A little Science Magic!

Featuring an awarding-winning science teacher, this presentation will highlight thought-provoking, paradoxical discrepant demonstrations capturing your students' attention. Terrific for all grade levels.

Presenter(s): Buzz Putnam, Whitesboro HS

Session Chair:

(209) 5-8 PS Panel

Maitland Simmons Memorial Scholarship Institute Class of 09 Reunion

Roundtable discussion for the participants of the Maitland Simmon Memorial Scholarship Institue Class of 09. We will discuss the impact of the summer experience on your classroom so far this year.

Presenter(s): Patti Duncan; Maitland Simmons Memorial Scholarship Institute 09 Participants

Session Chair:

(210) 9-12 C Hands-on

Make and Take: Endothermic Light Activated Reactions

Participants will construct materials that can be used to demonstrate light activated reactions. Concepts: activation energy, endothermic reactions. Cost: \$5.00

Presenter(s): Diane Krone, Northern Highlands Regional HS; Mita Chaki, Franklin HS,

Session Chair:

(211) 9-12 C,PS Demo

The WOW of Chemistry

Hands-on demonstrations and activities will include gas laws, EM spectrum, surface tension, acid/base reactions, and others. Come learn how to excite your students.

Presenter(s): Kelly Chladil and Ian McCrone, Fair Lawn HS

Session Chair:

(212) K-12 C Discussion

Conversations with AP Chemistry Teachers

Please join us for a round table discussion of ideas, concerns, a favorite lab or demo, and the AP exam.

Presenter(s): Karen Galley, West Windsor-Plainsboro HS South

Session Chair:

Wednesday 2:30 - 3:30

Exhibits Area Special Considerations For Physics / Physical Science

This hour has been scheduled for Physics and Physical Science Teachers to visit the Exhibits area.

(213) 9-12 B,LS,SUP Discussion

Modifying Biology Instruction For English Language Learners

Mainstream biology teachers will learn techniques which will help them instruct English Language Learners and that will benefit special education and general ed students as well.

Presenter(s): Ronald M. Durso, Fair Lawn Public Schools, FLHS

Session Chair:

(214) 9-12 C Demonstration

Demo Den: Amazing Solutions

Demonstrations will be presented involving color changes, solubility properties and energy changes.

Presenter(s): Paul Sekuler, JP Stevens HS; Frank Ferrara, Ocean Township HS; Marco Paganata, Dwight Englewood School

Session Chair:

(215) 9-12 B,ES,PS Demo

Power Point and Beyond

A demo of ideas on how to get more from Powerpoint than just overhead slides. Includes linking demos to slides, humor, student interactions and imbedded quizzes.

Presenter(s): Donald Clark, Long Branch HS

Session Chair:

Wednesday 3:00 – 4:00

(216) 9-12 C Demo

Red-Ox and Electrochemistry

Energize your students with colorful demonstrations, intriguing laboratory activities and computer simulations in electrochemistry.

Presenter(s): Claire Miller, Madison HS Eve A. Krupka, Retired; Michael Ricketts; Kris Bedient, Manalapan HS

Session Chair:

(217) K-12 AS Meeting

NJSELA: Open Forum for Science Education Leaders and Supervisors

Join the New Jersey Science Education Leadership Association for their annual Open Forum. Come discuss common problems faced by Science Leaders and Supervisors today.

Presenter(s): Vince Parisi, NJSELA President

Session Chair: Dan Brown

(218) K-12 ES Hands-on

Maitland P. Simmons Memorial Institute Mingler

Miss the friends you made at the 2006, 2007 or 2008 Maitland P. Simmons Institute? Stop by to catch up!

Presenter(s): Linda Smith, Paulsboro Public Schools

Session Chair: Roberta Conner

4:30 - 5:30 PM

- Alexander's Restaurant

PRESIDENTS' RECEPTION

Subsidized by PSE&G

5:30 PM

RECOGNITION DINNER

(Ticket Required)

Vince Parisi, NJSELA President

Nina Visconti-Phillips, NJSTA President

John Penna, Recognition Dinner Chairperson