

**Joint Meeting of the NJ Commission on Environmental Education
And Interagency Work Group AGENDA
Tuesday, September 9, 2008
NJDEP Headquarters, Trenton
9:30 a.m. – 12:30 p.m., Public Hearing Room**

- 9:15 a.m. COFFEE AND TEA**
- 9:30 Opening Remarks Dale Rosselet, Chair**
- Welcome and opening remarks
 - Group introductions (if needed)
- 9:35 Business Items Dale Rosselet**
- June meeting notes
 - Review agenda/new business items
 - Logistics for October meeting
- 9:40 Special Presentation #1: Anne Galli, Vice Chair**
Earth Share of New Jersey
- **Paula Aldarelli, Executive Director**
- 10:10 Plan of Action Update Dale Rosselet and Anne Galli**
- Summary of activities
 - Group review of POA PP presentation
 - Group review of feedback questions/form
 - Next steps and timeframe
- 11:00 BREAK**
- 11:15 Special Presentation #2: Tanya Oznowich**
- *Introduction to the New NJ Science Core Curriculum Content Standards (Draft 3rd Revision)*
 - *Mike Heinz, State Science Coordinator NJ Department of Education*
 - Introduction to the NJ core curriculum content standards
 - Rationale regarding third revision of science standards
 - Changes in content and format in the draft science standards
 - Focus on environmental, earth, life science, and chemistry
 - Feedback being sought, how to submit and deadline
 - Next steps for finalizing all core curriculum content standards
 - Questions from group
- 12:30 p.m. Meeting wrap up and closing remarks Dale Rosselet**
- Group departure

**Joint Meeting of the NJ Commission on Environmental Education
And Interagency Work Group NOTES
Tuesday, September 9, 2008
NJDEP Headquarters, Trenton
9:30 a.m. – 12:30 noon, Public Hearing Room**

Attendance:

NJCEE: Dale Rosselet, Tanya Oznowich, Iris Duffield, Rich Belcher, John Lysko, John Shafranski, Jim Shissias, Anne Galli, Marie Downes, Mike Heinz, Stacey Kennealy,

IWG: Marc Rogoff, Haydee Perez, Nicole Worland,

Public/DEP Employees: Pat Skelly, Mike Skelly, Paula Aldarelli (Guest Speaker), Mike Smith, Diane Hewlett-Lowrie, John Benton, Michelle Ruggiero, Sondra Flite, Sharon Haas, Jill Lipotti, Riche Outlaw,

Opening Remarks

- Welcome and opening remarks
- Group introductions

Business Items

- June/July meeting notes – Motion to accept: Anne 1st, Maria 2nd, all in favor
- Review agenda/new business items –
- NJCEE/IWG Web site report – full report available upon request
- Introduction of guest speaker by Anne Galli

Special Presentation #1: Paula Aldarelli

- **Earth Share** (see handouts and powerpoint presentation)

Info presented...

1994 – Environmental organization in NJ founded/raise unrestricted funds

2001 – Merged with national organization to represent local and national environmental efforts

Environmental Fund became EarthShareNJ

Who we are...

Board comprised of organizations represented by EarthShare who dictates policies and expenditures.

501c3 → 25 NJ / 38 National

Primary mission is fundraising (What is in it for the giver?)

Associate groups must be fiscally responsible (Trust Factor)

What we do...

Workplace contribution

Recycling programs

Speakers

Library of Videos

Awareness Fairs

Public information

How we do it...

Advertising – makes you think

Entertainment value/personal connection -emotion

Action-call to/ask to do something

Radio spots on obesity, pesticides and nickelodeon kids

The Ad Council produced and airs the ads

Lessons Learned... (GREEN FLEET)

Everyone wants to be “green”

Employees and consumers are driving the trend

Resources for companies...

Educate employees (Green Up)

Identify environmentally friendly vendors

Host conference of vendors that are green or want to green up

Workplace//employee focus

Q/A...

Success with Corporations being Green

Increase in interest

Increase in giving (35%)

Member orgs determine budget for EarthShare

EarthShare does fundraisers – they do not charge for helping

Special Presentation #2:

Introduction to the New NJ Science Core Curriculum Content Standards (Draft 3rd Revision)

Mike Heinz, State Science Coordinator, NJ Department of Education

Powerpoint Presentations available upon request

Final standards will be available in electronic format only

A mock-up of the new site and features is available for use and evaluation

Refinement of how information is communicated

Format: Content Statement – “What”

“How” to demonstrate it

Strands by subject and by grade cluster

Essential questions (Grant Wiggins)

Instructional strategies and assessment

Shows content progression over time-vertical articulation by grade

Key word search available

Office of Academic Standards PPT

Gov → Math and Science Improvements → Office of Math/Science Education

Methods: Talk to people, how was/is performance, what are other countries/states doing?

3 member team / no budget

Current CCC's – too deep, too vast, too vague

All factors to include 21st century skills

Achieve/America Diploma Project

Go onto higher education

High School Redesign Committee – make HS more competitive

Global Prospective – culture, world and NJ

End of Course assessment in HS

Must be deliverable electronically/interactive database

Address large migrant population of students, special education students

Curriculum design by Grant Wiggins

Curriculum mapping by Heidi Jacobs

Clarification document and standards delivered at same time

Many constituent groups

Physics First / Engineering / Intelligent Design in Life Science / Nuclear Energy /

“Green” components

Research based

No personal agenda's

What are the fundamental principals/concepts of Science?

18 Core Concepts

Learning progressions by grade cluster

What should students do with this info to show they understand it?

Team:

Rick Duscho – Rutgers

Karlo Parvano – Merck

Sharon Sherman – TCNJ

Missy Holzer – Chatham HS science teacher

Lisa Salmos – LSC/DOE

Mike Heinz - DOE

National Association of Educational Progress (NAEP)

Currently uses TIMMS and benchmark tests

Accepted by science education community

Benchmarks for 21st century

Nat. Sci. education standards

Anything not currently “here” was weeded out to determine what content to include

Americas Lab report – Inquiry based learning also emphasized

Assessment used – over 70% of minority students performance would not have passed

Kids who need support are not getting it
K-8 elem/MS – traditionally does not focus on science practices
Ready Set, Science! – user friendly

Q/A...

Minority students - urban and soc/econ factors included
Issue driven – old standards – gone/narrowed down
Earth – interconnected systems
Astro/Env/Earth merged together
Content related to env issues/env ed
DOE is working on “how to roll out” workshops, pod-casts, webcasts
Teacher certification →how is it being dealt with?

Licensure system/teacher prep
10 standards down to 5 standards

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|-----------------------|--------------------------|
| 5.1 Science Practices | 5.4 Earth System Science |
| 5.2 Physical Science | 5.5 Science & Technology |
| 5.3 Life Science | |

Course clarification documents
Earth systems – districts to determine accessibility in the near future
Professional Development to be school-based vs. provider-based (School Communities)
Travel restrictions limits for PD needs
Internal review in October
Go live by November
Input in January
Present to State Board of Education in March 2009
Adoption in May 2009 (Goal)

Plan of Action Update

- Summary of activities
- Group review of POA PP presentation
- Group review of feedback questions/form
- Next steps and timeframe – see ppt on website and feedback forms

General Updates

- NJSACC conference (Nov. 14 & 15) Fact sheet distributed
- NCLI – Voted on this week. Funding for capacity building and env. literacy for HS students.

Meeting wrap up and closing remarks

- Group departure