

2007-2008 PROGRAM WORK TEAM ANNUAL REPORT

4-H Youth Development: Science and Technology

2007-2008 PWT Co-Chairs:

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Activities, Accomplishments, Outcomes and Impacts:

- Collaborated with the National Science, Engineering and Technology (4-H SET) mission mandate to strengthen our SET programs and to further the national commitment of engaging 1 million new youth in 4-H SET programs by 2013.
- Organized and began development of the Science Toolkit, a collection of science activities intended to attract new science participants, to provide a minimum of 6 hours of instruction, to expand our online resources, to link to science standards, and to revitalize existing activities.
- Established webpages specifically for the Sci-Tech PWT to facilitate communication among team members and educators.
< <http://nys4hstaff.cce.cornell.edu/YouthDevelopmentNetworkandPWTs.php>>
- Completed online revisions to expand and update the NYS 4-H Resource Directory
- Sponsored youth-led hands-on science activities to facilitate public outreach at the 2008 New York State Fair through county 4-H display booths.

Specific activities that took place between November 2007-November 2008

November 15, 2007, PWT Meeting

November 30, 2007 Resource Directory Work Day, Cornell Campus

April 7, 2008 PWT Meeting via Adobe Connect and teleconference

May 7, 2008 PWT Poster exhibited at the CCE Program Council, Cornell Campus

July 16, 2008, PWT Meeting, Cornell Campus

September 29, 2008 PWT Meeting via teleconference

October 8, 2008 National Youth Science Day.

October 15, 2008 PWT Poster exhibited at the NYSACCE4-HE Conference, Rochester, NY

October 16, 2008 PWT meeting, NYSACCE4HE Conference, Rochester, NY

October 17, 2008 Sci-Tech workshop offered at NYSACCE4-HE Conference, Rochester, NY

November 15, 2008 Sci-Tech workshop offered at 4-H Volunteer Forum, Auburn, NY

Specific Accomplishments, Outcomes and Impacts between November 2007-November 2008

ES-237 statistical report shows that a total of 389,276 youth across New York State participated in science, engineering, and technology programming through 4-H with a minimum of 6 hours of contact.

The NYS 4-H SET plan, a 5-year guide, was submitted to and accepted by the National 4-H. Kelly Radnik serves as the NY SET liaison; Celeste Carmichael represents NY on the curriculum and the national resource directory committees. 4-H educators across the state engaged young people in the hydrogel experiment that was featured during the 4-H National Science Day.

Work began on the Science Toolkit series as activities were revised or created for the following topics: Animal Science, Astronomy, Colors, Entomology, GPS, Polymers, Things that Fly, and Water Management. The goal is to produce six activities within each topic and to post these activities online for easy access. A sidebar design and stationary was created by a professional designer to unify the appearance of activities in the Science Toolkit. This year, approximately 20 activities were drafted; some were introduced to educators at the NYSACCE4HE conference and the 4-H Volunteer Forum.

More than 5000 visitors took part in science learning throughout the 12 days of the 2008 New York State Fair. 4-H youth and adult volunteers led experiential activities from the following programs: Agriculture in the Classroom, Astronomy, Choose Health, Emergency Preparedness, Fiber Science and Apparel Design, Horticulture, Natural Resources, NYS Dog Program, and Operation Military Kids,

Members of the Sci Tech PWT continued to support and advise the NYS 4-H Resource Directory Project, now in year three of Smith Lever Funding. A subgroup of the Sci Tech PWT served as the Resource Directory support team and met twice this year to review and edit resources. The PWT also advised a part of the Resource Directory project focused on aligning five 4-H project resources used regularly for school enrichment with the NYS Learning Standards.

Plans for 2008-2009 Include:

- Complete at least 30 Science Toolkit activities.
- Work with the NYS Department of Education and the Cornell University Department of Education to align the Science Toolkit activities with the NYS Learning Standards.
- Train PWT members in appropriate distance learning/communication technology.
- Contribute to the National 4-H SET mission mandate.
- Support the NYS SET evaluation process.
- Continue support for NYS Fair hands-on science activities.