



## **Sandra McGarraugh, Delanson, NY**

In her more than 20 years as a gender equity specialist in New York State, Sandra has designed programs, delivered workshops, developed resources, and served as an advisor to education, government and workforce development sectors. She and her staff have worked with the secondary and postsecondary CTE programs in NYS to promote the recruitment and retention of nontraditional students. Her most recent focus has been on developing the partnerships between business and education that facilitate and support opportunities for women and girls in STEM careers.

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### **Workshop Topics:**

#### **The Nontraditional Pipeline: Strategies for Retention and Placement of Nontraditional Students**

This workshop addresses the importance of strong partnerships between community and technical colleges and the business sector as a retention strategy for nontraditional students. Samples of successful partnerships with suggested areas for collaboration are presented.

**Audience:** Community and technical college faculty and staff, business representatives

Format: Lecture, partnership presentations, discussion, and small group activity  
Length: 3-6 hours, depending on availability of team presentations

### **Girls and Boys and Career Choice**

This workshop takes a close look at the impact of gender differences on learning and career choices. Current research and popular myths will be reviewed and discussed. Participants will learn how to implement gender-balanced instructional strategies and integrated career exploration activities.

Audience: Elementary and middle school educators

Format: Presentation, discussion, and small group activities

Length: 2 ½ - 3 hours

### **Gender and Career Choices: Relevant in the 21<sup>st</sup> Century?**

It's still a pink and blue world in many CTE programs. How are global competition, the "silent crisis" in critical areas of science, technology, engineering and math (STEM), and the demands of a new workplace related to gender and career choice? Participants are introduced to a "capacity building" model for recruiting students into CTE programs nontraditional for their gender.

Audience: Ideal for secondary level CTE educators, including administrators and counselors.

Format: Presentation and discussion

Length: 1 ½ - 2 hours

### **The New Workplace: Preparing Students for Their Future**

This session offers a "World is Flat" view of the challenges and opportunities awaiting our students in the global economy, and the impact on our traditional career preparation system. Gender as a variable in career choice is examined in the context of technology developments, employer expectations, and generational differences. Local enrollment data is compared with local workforce needs and projections.

Audience: Secondary level educators, CTE and academic

Format: Presentation and discussion

Length: 3 hours

### **Parents as Partners: Why STEM?**

Workshop participants will become familiar with strategies and resources that can be used with parents and families in K-12 STEM related career exploration. Strategies for encouraging student interest in nontraditional

careers are outlined. Resources include websites, activities, and printed materials.

Audience: Counselors, STEM educators, community groups

Format: Presentation, small group activities, online resources (if access is available)

Length: 2-4 hours, depending on access to computers and internet

### **Selected Publications:**

Nontraditional Occupations for Women (New York State Career Options Institute):

Roles in Conflict: Preparing Women for Technical Careers, 1990.

*Guide for programs to help low-income women in NYS achieve economic self-sufficiency through high-wage employment.*

The Career Challenge, 1992

*A five-day workshop for women in transition that uses an experiential learning model for teaching communication, team building and other SCANS skills. Implemented with the 16 NYS New Ventures Model Program sites from 1991-1999.*

New Ventures [video], 1996

*Instructional video for replicating the New Ventures Model. (30 min)*

Mission Possible [video], 1997

*Introduction to technology related careers; designed for viewing in NYSDOL job service centers and other job placement facilities by women in transition. (15 min)*

STEM Career Exploration (Center for Innovation in Career Development):

Things Parents Can Do. 2006

*A series of brochures designed to guide parents and family members in career exploration activities with middle and high school students. The series supports the Parents as Partners project.*

### **Contracts:**

Capital Region Career and Technical Education Center, Albany, New York  
Career and Technical Education Resource Center, New York State  
Education Department  
GEAR UP Albany City School District, New York State

Girls Incorporated® of the Greater Capital Region, Albany, New York  
Yonkers Public Schools, New York

**Projects:**

*Girls Get I.T.* A one day program for 10<sup>th</sup> grade girls that introduces careers in Information Technology via hands on activities at a local IT employer. Business partners collaborate with curriculum design and provide mentors.

*Gender and Career Choices: Relevance in 21<sup>st</sup> Century.* Annual workshop series delivered in 6 New York regions to CTE faculty, staff and administrators. Sponsored by New York State Education Department.

*Parents as Partners.* Program for GEAR UP families that encourages career exploration in STEM through workshops, guided internet search, printed materials, and website resource [www.techvalleycareers.org](http://www.techvalleycareers.org).

*Camp GEOG.* Annual summer camp for middle school girls enrolled in the summer program at Girls Incorporated® of the Greater Capital Region. Students spend one week on University at Albany campus learning about careers utilizing GIS/GPS technology. Partners are Geography Department and selected IT firms.

*Gender and Careers.* Customized workshop series developed for Yonkers Public Schools K-12.

**Qualifications:**

M.A. Community Psychology, Russell Sage College, 1996

Research: Gender and Career Choice

M.L.S. Information and Community Services, SUNY Buffalo, 1971

**Training Certifications**

Project Adventure: Adventure Based Counseling (ABC)

Advanced ABC

Adventure in the Classroom,

New York State Careerzone, NYSDOL

Diversity and Racism, Study Circles Resource Center

**Member:**

Chair, National Governing Board, Women Work!  
Member, Workforce Consortium for Emerging Technologies (WCET), NYS  
Member, Alliance for Technology and Women (ATW)  
Member, American Association of University Women (AAUW)  
Invited Representative, NYS Joint Legislative Commission on the Status of  
Girls and Women in Science, Math, Engineering and Technology  
Member, National Alliance for Partnerships in Equity (NAPE)