

#### Expanding access and success through equity in high skill and high wage career pathways in Adult Education

Perkins Fall Meeting, Ohio Ben Williams, Ph.D., Project Director, Ohio STEM Equity Pipeline™ September 24, 2013

## N A P E

### Concerns of faculty and staff in Adult Education Programs

- Access
- Retention
- Technical Skill Attainment
- Job Placement
- Transition to other post-secondary programs



#### Objectives

- Understand where the jobs are and opportunities in careertechnical education and STEM pathways
- Explore gaps in the participation and pipeline of specific sub-groups of students
- Learn specific strategies for the classroom and in student services to retain and maximize the success of students
- Explore specific resources that you can use
- Walk away with strategies that you can implement right away



The U.S. Economy will grow from 140 million to 165 million jobs by 2020:

- 55 million job openings in the economy through 2020
  - -24 million new jobs
  - -31 million openings due to baby boomer retirements

Source: Carnevale, A.P.; Smith, N.; & Strohl, J. (2013). Recovery: Job growth and education requirements through 2020. *Googetown Public Policy Institute*. Georgetown Center on Education and the Workforce. <u>http://cew.georgetown.edu/recovery2020/</u>



#### Opportunities across post-secondary pathways

For the next 55 million job openings (until 2020):

- 35% will require at least a bachelor's
- 30% will require some college or an associate's
- 36% will not require education beyond high school

Note: The US will fall short by 5,000,000 workers with post-secondary education – at the current production rate

Source: Carnevale, A.P.; Smith, N.; & Strohl, J. (2013). Recovery: Job growth and education requirements through 2020. *Geogetown Public Pulicy Institute*. Georgetown Center on Education and the Workforce. 

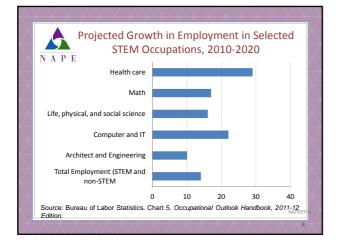
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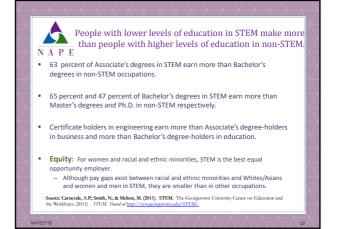
 A0% of jobs leading to "middle class" incomes require up to and through an associates degree

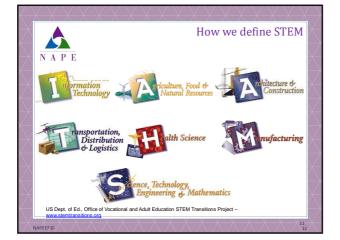
 "There are 29 million 'middle jobs'...that pay \$35,000 or more on average and don't require a Bachelor's degree."

 Machelor's degree."

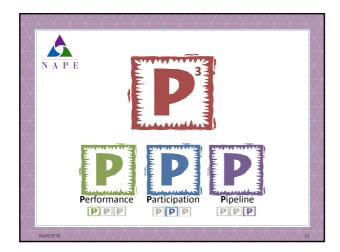


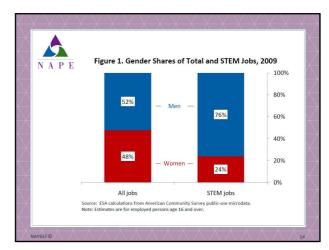


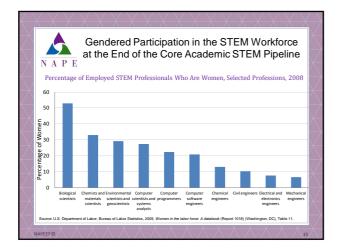


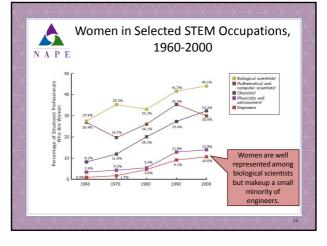


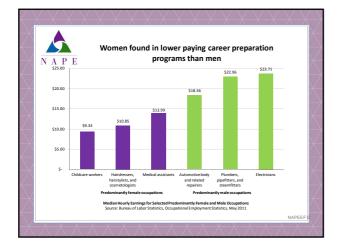


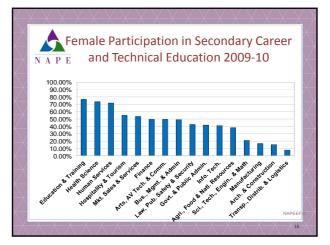


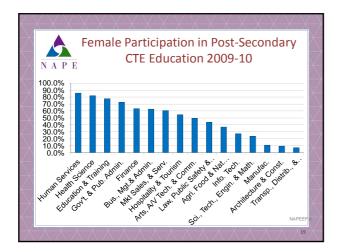


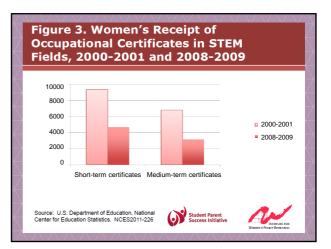


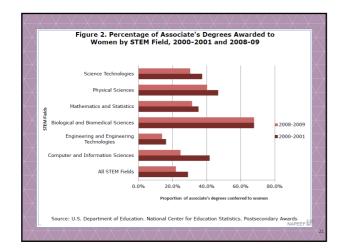


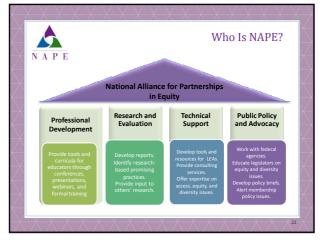


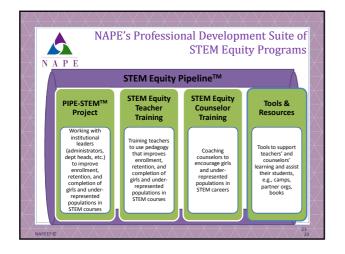


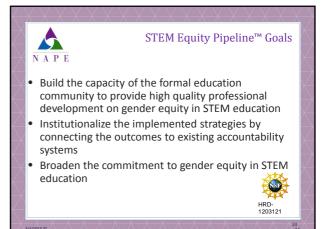


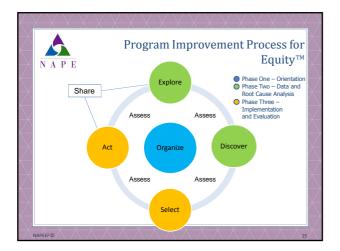


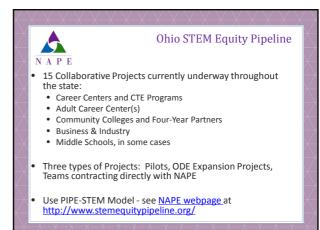


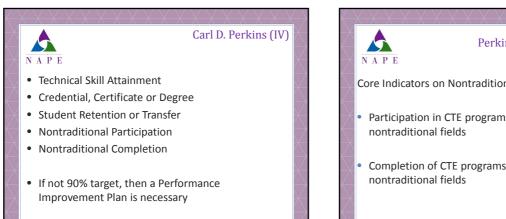








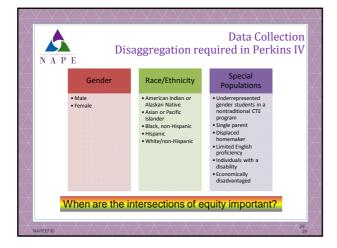




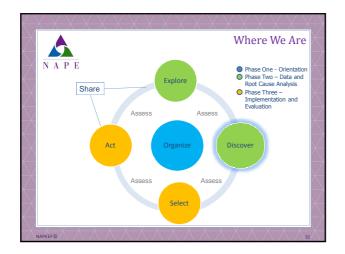


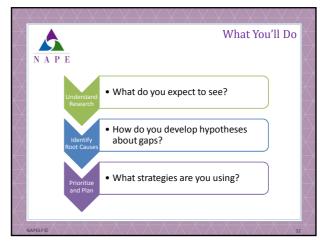
Core Indicators on Nontraditional CTE

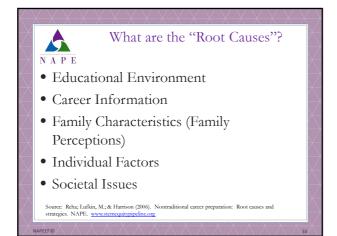
- Participation in CTE programs preparing students for
- Completion of CTE programs preparing students for

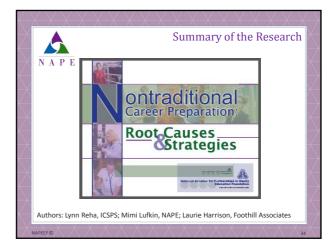




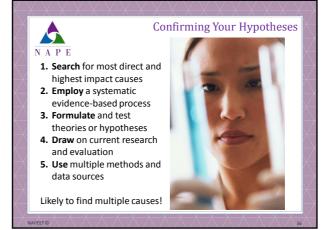




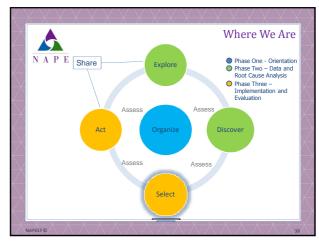




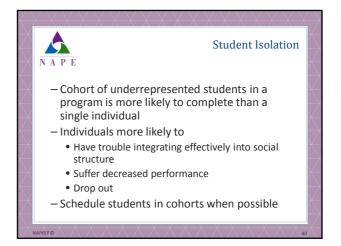


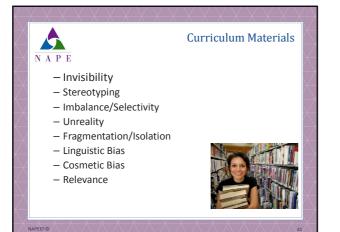


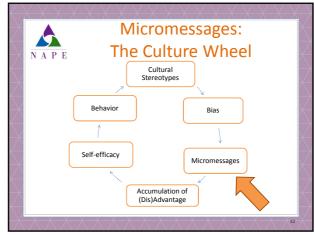




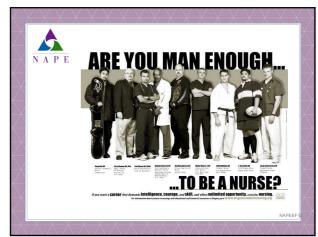




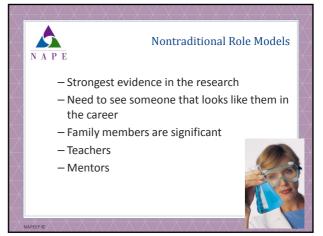












#### Expand understanding of CTE

- N A P E
- Content Marketing
- Tell the authentic story of your students and their successes
- Use multi-media (break away from traditional advertising)
  - Facebook and Twitter
- Re-purpose and renew content
- Enlist partners in telling "the story of CTE"

From "Content marketing and the Future of CT Outreach" Shane Haggerty and Eric Leslie, Ohio ACTE Annual Conference, August 1, 2012

# N A P E

Recommendations to increase access for low income women and single parents

- Actively recruit women and student parents
- Provide financial supports and child care services
- Improve and expand developmental education
- Provide strong counseling, advising, and academic supports
- Create educational pathways
- Improve curricula and instruction

Source: Costello, C.B. (2012) Increasing opportunities for low-income women and student parents in Science, Technology, Engineering, and Math at community colleges. Washington, D.C.: Institute for Women's Policy Research.

#### Recognize credentials as key "touchstones" and help students to continue on

- Recognition of industry certification
- Adult articulation

NAPE

- Stackable certificates
- Enhanced articulation opportunities to four-year programs through community colleges
- Reverse transfer

