Is Our Nation Meeting the Challenge?

NACTE
9:45 AM
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Benson Hotel, Oxford
Portland, Oregon

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Measuring What Matters!

This is NOCTI ...

- Over 45 years serving the CTE community
- Non-profit organization
- Owned and operated by the 50 states
- Works with both secondary and post-secondary populations
- Nocti Business Solutions (a NOCTI subsidiary) provides services to industry
GOVERNANCE: 11 person board elected by a consortium of state directors of CTE, all 58 are members. Non-profit organization with 45 years of experience serving the Career and Technical Education (CTE) community.

OUR SERVICES:
- Professional Development
- Instructional Improvement
- Standards and Assessment Development
- Assessment Delivery (including 3rd party tests)
- Program Management (states, locals and certification agencies)

Industry Connections
We are in a very unique position

Pathways to Prosperity Project: Highlights

• US educational advances have been minimal (incremental gains)
• Advocates a comprehensive pathway network

“We are the only developed nation that depends so exclusively on its higher education system as the sole institutional vehicle to help young people transition from secondary school to careers, and from adolescence to adulthood,” says Robert Schwartz, academic dean and professor at the Harvard Graduate School of Education.
Pathways to Prosperity Project: Highlights

• That comprehensive pathway network includes;
  
  – Broader vision of school reform that emphasizes multiple pathways to success, which may not require a bachelor’s degree
  – More emphasis on career counseling
  – High quality CTE (apprenticeships and Community Colleges)
  – More involvement by employers
  – A social compact (everyone has the education and experience to be successful)

Learning for Jobs: OECD Organization for Economic Co-Operation and Development

• A Study of 17 developed nations Vocational Employment and Training (VET) system and recommendations for Policy
  
  “Countries are giving the long neglected topic of VET a dramatically increased profile, reflecting a recognition of its economic and educational function…”

• Numerous Policy recommendations including;
  – Engaged employers
  – More emphasis on career counseling
  – High quality VET teacher preparation
  – Using standardized tests and data regarding technical competence to benchmark progress
Let’s get to the DATA!

What does the national data say about technical competence in the United States?

OR

Are our entry level workers better prepared than in the past?

Data Background USA

• 2006-2011
• 356,000 points of data
• Technical and Soft skills assessments
• Secondary and Post-Secondary Programs
Secondary & Post-Secondary Implementation

Across the States

National Technical Assessment Means

Competence Increased

Participation Increased
Across the States

• Secondary Only
• Each year 45,000 to 65,000 tests

Across the States

• Post-Secondary Only
• Each year 3,500 to 6,500 tests
Across the States

Upward Change from Years 06-11

- Secondary and Post-Secondary
- States testing 500 to 15,000

Across the States

USA Clusters Percent Change: 06 to 11

- Clusters with at least 500 test takers
- Showing positive gains
A Sampling of State Examples

- 2006-2011
- 3,000 (ID), 29,500 (NJ), 95,000 (PA) points of data
- Technical and Soft skills assessments
- Secondary and Post-Secondary Programs

Idaho Implementation

Approximately 425 tests annually
The Idaho Picture

2006-07

Competence Increased

New Jersey Implementation

2006-07

Participation Increased

Approximately 5,000 tests annually
New Jersey Technical Means

Competence Increased

Pennsylvania Secondary & Post-Secondary Implementation

Participation Increased
The Pennsylvania Picture

Pennsylvania Technical Means

Competence Increased

Approximately 15,500 tests yearly

Santa Clara ROP, California: Implementation

Assessment participation continues to increase

Approximately 4,000 points of data
The Santa Clara ROP Picture

Approximately 590 tests yearly

Another LOCAL Picture

Fort Osage Technical Means

Only approximately 200 tests yearly
So are we better?

Gains in technical competence!

USA: 02%
Idaho: 24%
New Jersey: 02%
Santa Clara: 06%
Chicago: Benchmarking
Fort Osage: 18%
Pennsylvania: 12%

Thank You!

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