## Improving Secondary CTE through Professional Development: Alternative Certification and the Use of Technical Assessment Data

ACTE, St. Louis, MO, Nov. 18, 2011 Room 260 3:45 -4:45 p.m.

Dr. John Foster



#### Let's Talk About...

### **NRCCTE** and the big picture

- The mission
- The partners

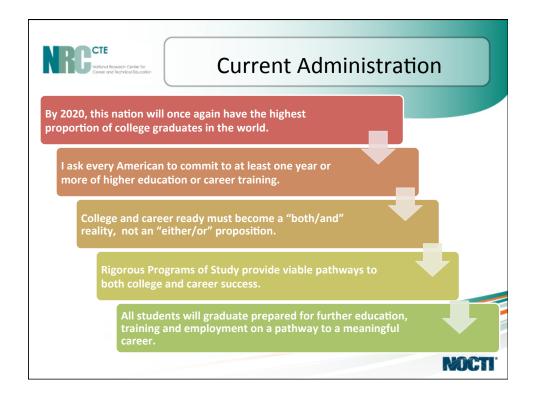
#### **CTEDDI**

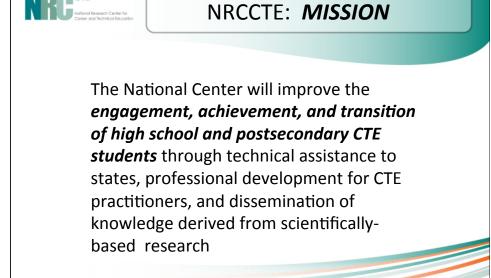
- The need
- The process

#### **Alternative Certification**

- XXThe mission
- XXThe partners





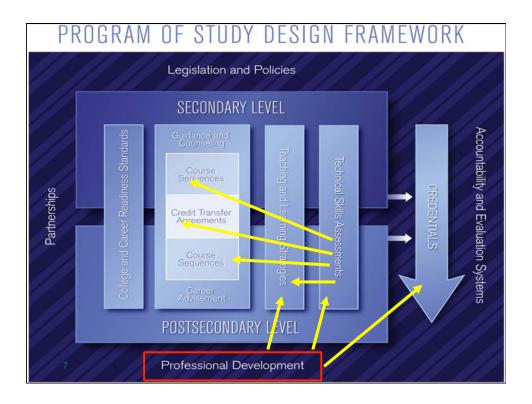




## Definition of Professional Development

Activities that increase teachers' knowledge and change their instructional practice in ways that support student learning.





## **Guiding Principles of Professional Development**

- Continuous and on-going
- Contextual to the teachers' work
- Emphasis on analysis and reflection
- Active engagement that reflects adult learning principles
- Collaborative communities of practice
- Connected to efforts to improve student learning



## **Putting the Data to Work**







## What is CTEDDI?

- Training that is highly interactive
- A process, not a one-time event
- Uses data that teachers and schools own
- Builds on the success of an everincreasing community of practice
- Ongoing state-supported mentorship, local coaches and online help





## CTEDDI's Origin

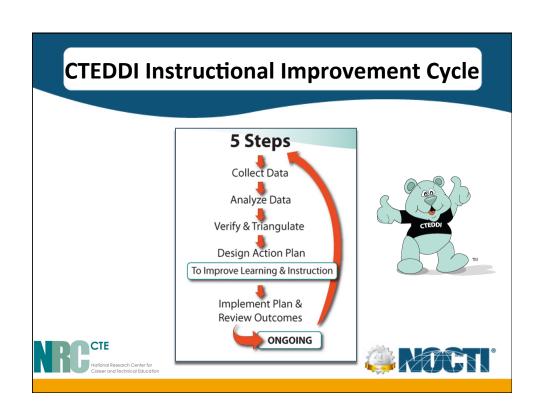
- Survey research and literature review How CTE uses data to inform instruction
- Intervention Development

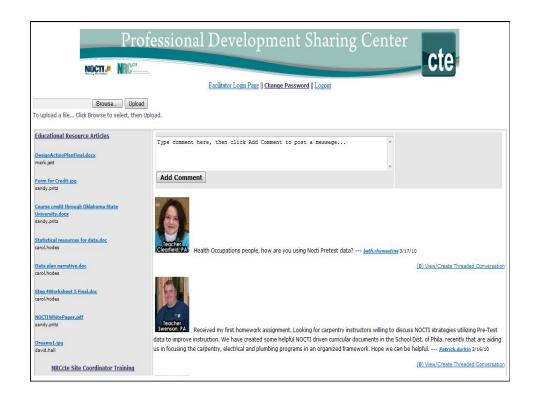


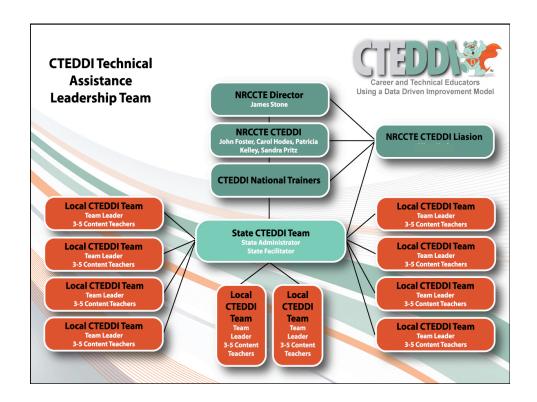
- Pilot the intervention and iteratively refine
- Extended reviews and model verification
- Market research and viability











## **Benefits of CTEDDI**

- Educators:
  - Data-driven instructional improvement
  - Improved ability to meet accountability goals
  - A positive educational impact
- CTE Community:
  - Practical application of Perkins data
  - Logic-based policy tool
  - Demonstrate ROI
- Everyone
  - Increased student achievement
  - Enhanced preparation for college and careers
  - Gains in workforce competence/productivity





## **Ways to Participate**

#### Statewide Implementation

- State DOE support
- Use of Sharing Center
- Ongoing mentorship
- Access to evolving resources
- Access to a national network
- Statewide common workshops on data
- Use of real data

#### Jump-Start

- Local support
- Access to existing resources (for the Jump-Start days only)
- 2-day workshop on CTEDDI process
- Use of mock data

#### Introductory PD

- Access to existing resources (for the day only)
- 1-day (or less) workshop
- Use of a portion of exercise data





## **SREB**

## **CTE Teacher Alternative Certification Induction Model**

Southern Regional Education Board



## SREB

## Alternative Certification Model for Career/Technical Teachers

- Develop an induction model for new CTE teachers pursuing alternative route certification
- Increase competency, selfefficacy, and career commitment
- Prepare the intervention for experimental trials



## SREB

## **Why This Project?**

## Complexity of Nontraditional Entry into CTE Teaching

- Diversity of certification routes
- Increasing percentage of teachers entering through nontraditional routes
- Unique needs of beginning CTE teachers
- Teacher attrition
- Shortage of CTE teachers

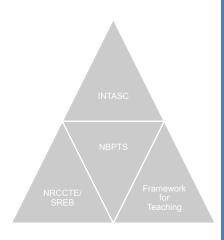
## Increased CTE Teacher Responsibility

- Challenges of the new mission
   —students college and career ready
- Role of CTE in school improvement
- Student diversity
- Intellectual rigor
- Project- and problem-based learning
- Embedded academic content

## SREB

## Research-Based Professional Development Content Alignment

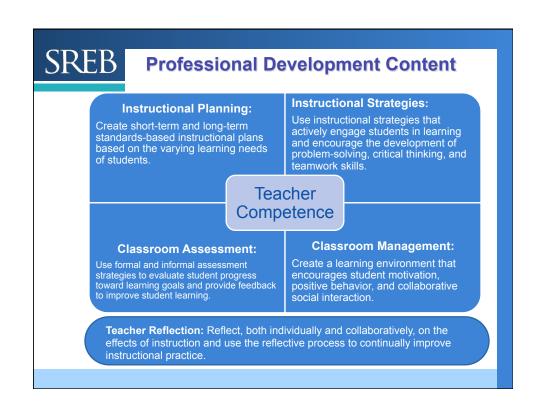
- Interstate New Teacher Assessment and Support Consortium Model Standards for Beginning Teachers (1992)
- Framework for Teaching (Danielson, 1996)
- National Board for Professional Teaching Standards for Career/ Technical Teachers (1997)



# Components of the Intervention Professional Development Support On-site from the

# 10 -10 Day Summer Institute - Prior year one teaching 6 -3 . 2 -day follow-ups during year one teaching 10 -10 Day Summer Institute - Post year one teaching - One-hour webinars - Held In months without professional development session

- On-site coaching visits from the professional development instructor
- Mentoring from a trained, experienced teacher
- Support from the building administrator
- Electronic communities of practice



#### SREB **Iterative Development Process** Year 3 Year 4 Year 5 **Field Test Field Test** Field Test Module **Full Induction** State-Led Model Content Field Test of **Full Induction** Scope and Intended Model relevance of outcomes content competence, · Feasibility of self-efficacy, Delivery implementation commitment to strategies Fidelity of profession Intended implementation outcomes

## SREB

## **Conditions for Implementation of the Model**

- Fidelity to structure of model—professional development and support
- Facilitated planning with stakeholders
- Selection and training of instructors
- Selection of participants

   identify in time for 2-week workshop
- Training and commitment of local administrators and mentors
- Incentives (course credit and/or paid work time) for professional development
- Commitment to on-going evaluation of the effects of the model

## SREB What's Next?

- Collecting data on state-led field test this year
- Initiating discussions with states about the use of the model
- Piloting module content with veteran teachers



## Visit http://www.nrccte.org/

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Thank You for Coming!

## **Disclaimer:**

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