



***Preparing Every Student for Success***  
***South Carolina's Career Clusters System***  
***and Successful Implementation***

***CTAE Administrator/ Presented by Dr. Bob Couch***  
***School Counselor Workshop October 26, 2011 | 9:30 – 10:15 a.m.***

# Personal Pathways to Success



Preparing all South  
Carolina students to  
compete in the global  
economy

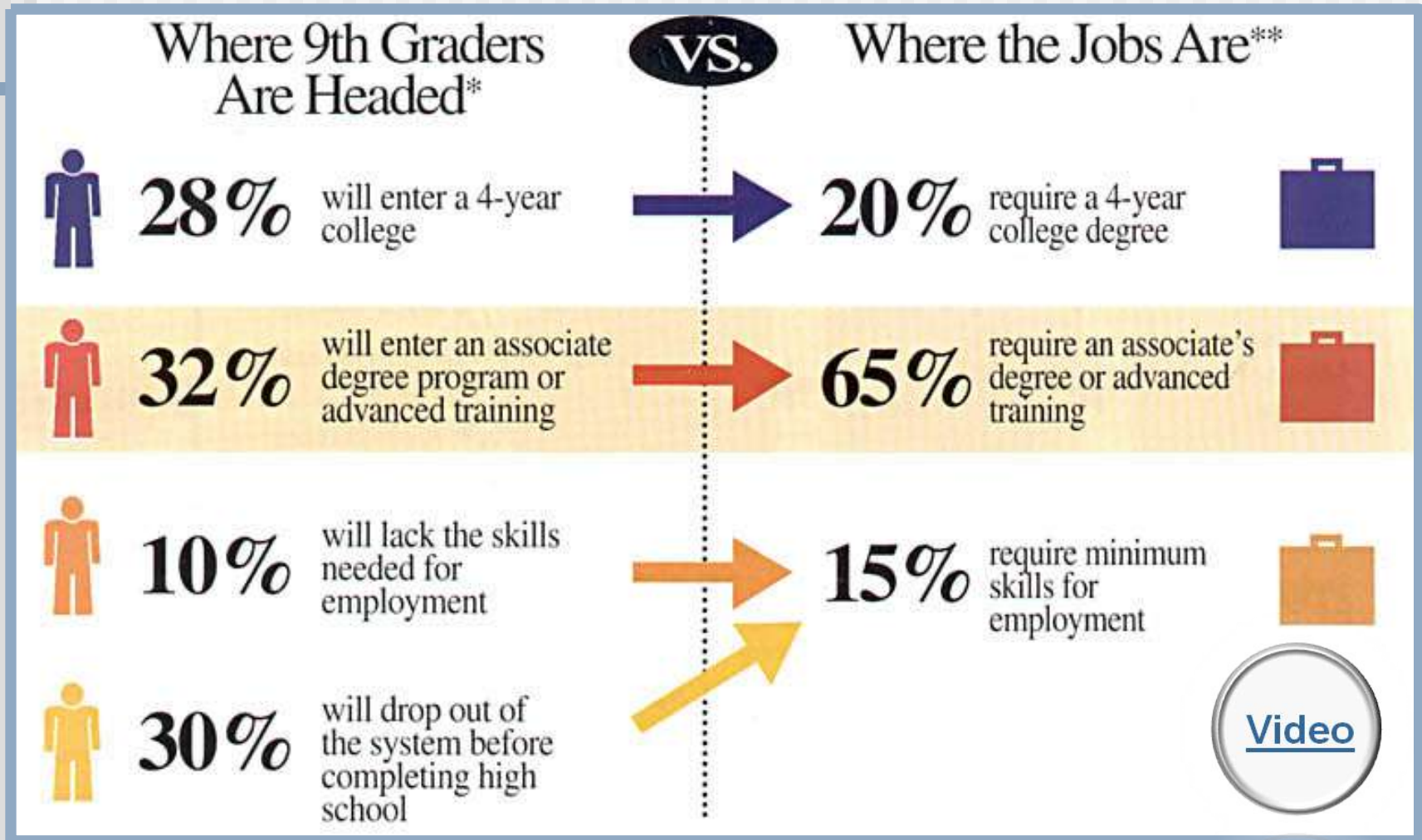
# The Challenges: Globalization

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“When I was growing up, my parents used to say to me, ‘Tom, finish your dinner. People in China and India are starving.’ Today I tell my girls, ‘Finish your homework. People in China and India are starving for your jobs.’”

—Thomas Friedman, Author  
*The World is Flat:  
A Brief History of the Twenty-first Century*

# Challenges: The Workforce Gap

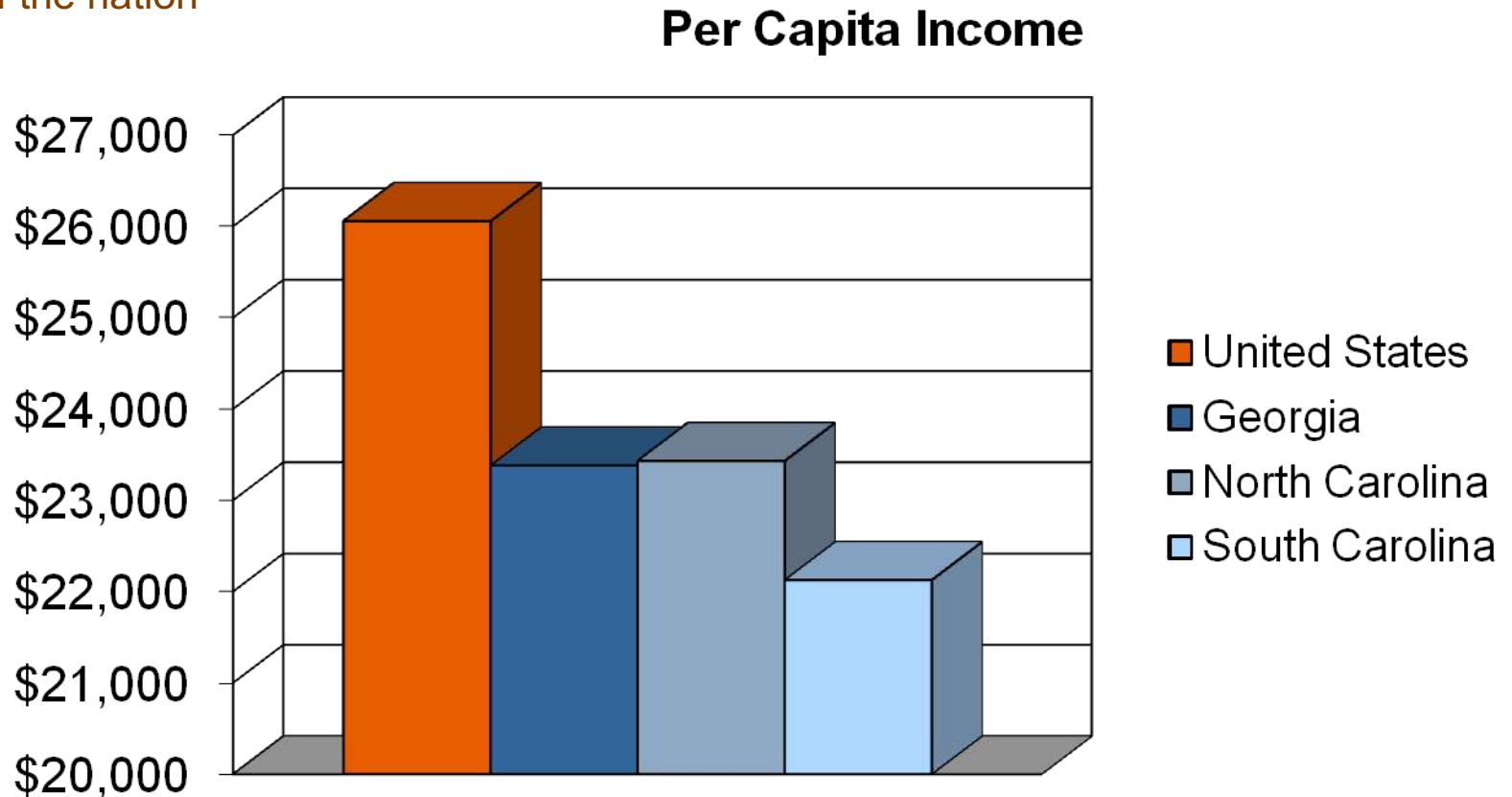


\*1998-1999 State Department of Education Special Survey

\*\*Source: D'Amico, C. Workforce 2020

# With the rise of globalization and the low number of higher wage jobs, gaps have developed

The gap between the states' per capita income as compared to the rest of the nation



Source: 2010 American Community Survey, U.S. Census Bureau.

# The Reality:

## 85 Percent of Jobs Require Education Beyond High School

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- Both 2-year and 4-year degrees can lead to high-earning careers
- Students need to explore and choose the paths best for them



# *Personal Pathways to Success: A New Vision for Education*



# Personal Pathways to Success: A New Vision for Education

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- The Education and Economic Development Act (EEDA) of 2005 established a new vision for education based on the idea of “Personal Pathways to Success” for all students.
- This system integrated academic and career-tech education into a unified system that offers more and better ways for all students to succeed.



# Elements of the Education and Economic Development Act

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- Helps students connect education to careers of their choice
- Increased the number of guidance and career counselors to achieve a 300 students to one counselor ratio
- Established clusters of study and Individual Graduation Plans (IGPs) for students
- Provides for parental review and approval of IGP with student and counselor
- Identifies at-risk students and provides programs to increase graduation rate

# Elements of the Education and Economic Development Act

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- Aligned requirements for high school graduation with college entrance
- Established articulation agreements making K-16 education seamless
- Created dual-enrollment agreements for high school and college coursework
- Created Regional Centers to connect students, educators, employers, and the community
- Created a Coordinating Council to oversee implementation of EEDA

# South Carolina's 16 Career Clusters

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- Arts, A/V Technology, and Communications
- Agriculture, Food, and Natural Resources
- Architecture and Construction
- Business, Management, and Administration
- Education and Training
- Finance
- Government and Public Administration
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- Manufacturing
- Marketing, Sales, and Service
- Public Safety and Security
- Science, Technology, Engineering, and Mathematics
- Transportation, Distribution, and Logistics

# A Sample Individual Graduation Plan

**Cluster of Study:** Health Science    **Major:** Health Treatment Specialties

## Required Core for Graduation

	9	10	11	12
<b>Math--Four Units</b>	<b>Algebra I</b>			
<b>English--Four Units</b>	<b>English I</b>			
<b>Science--Three Units</b>	<b>Physical Science</b>			
<b>Social Studies--Three Units</b>	<b>One unit of Social Studies</b>			

### Required Courses for Major--Four Units

<b>Complementary Coursework</b>	<b>Anatomy &amp; Physiology, AP Biology, AP Calculus, Emergency Med Services, Sports Medicine</b>
<b>Career-oriented Learning Opportunities</b>	<b>Career Mentoring, Shadowing, Service Learning, Internship, Cooperative Education, Senior Projects</b>
<b>Professional Opportunities After Postsecondary Education</b>	<b>2-Year Degree: Dental Hygienist, Paramedic, Registered Nurse 4-Year Degree or Higher: Athletic Trainer, Pharmacist, Physical Therapist, Medical Doctor</b>

# How Personal Pathways Work

## *Steps to Success*

### **Employment: Career Advancement**

*Continuing Education and Lifelong Learning*

### **Postsecondary: Career Preparation**

*Achieving credentials: college, certification, apprenticeship, military*

### **9-12: Career Preparation**

*Academics and technical courses, intensive guidance, individual graduation plans*

### **Grade 8: Transition**

*Choosing a career cluster and major (can change easily at any time later)*

### **6-8: Career Exploration**

*Discovering interest areas*

### **K-5: Career Awareness**

*Introduction to the world of careers*

# Personal Pathways to Success

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- Personal Pathways meant
  - New motivation for student achievement
  - Increased parental involvement in shaping our children's futures
  - Increased academic rigor and relevance in our high schools
  - Increased efficiency in higher education as students sharpen their focus on their goals
  - A more competitive SC economy
  - A new framework for student success

# At Risk (59-59-150)

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- Objective criteria are used to identify students at risk.
- Students are identified as the SC Department of Education collaborates with school districts.
- No group of students are disproportionately represented.
- Evidence-based models identified support the needs of at-risk students and lead to SC high school diploma.
- All SC high schools had to implement one or more models by the 2007-08 school year.



# *The Impact*

*The SC Education and  
Economic Development Act  
of 2005  
And the  
Carl Perkins IV Federal  
Initiative*





## *Career and Technical Programs of Study*

# ***A Design Framework***

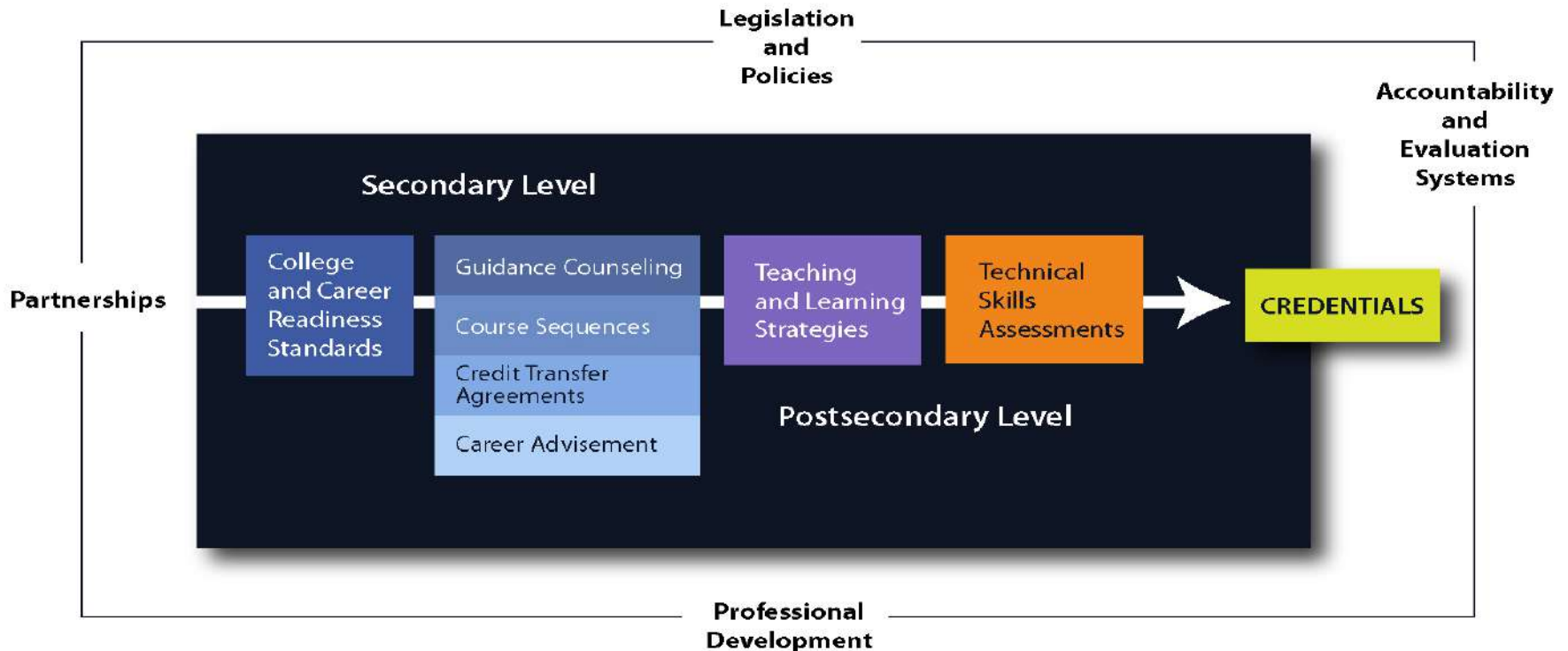
*“To help states and local recipients meet these requirements, the Office of Vocational and Adult Education (OVAE), in collaboration with major national associations, organizations, and states, have formulated a “career and technical programs of study design framework (**framework**).”*

# State and National Framework Program of Study Design

## STATE AND NATIONAL FRAMEWORK

### Program of Study Design

“A program of study is a comprehensive, structured approach for delivering academic and career and technical education to prepare students for postsecondary education and career success.” - *Operational definition*



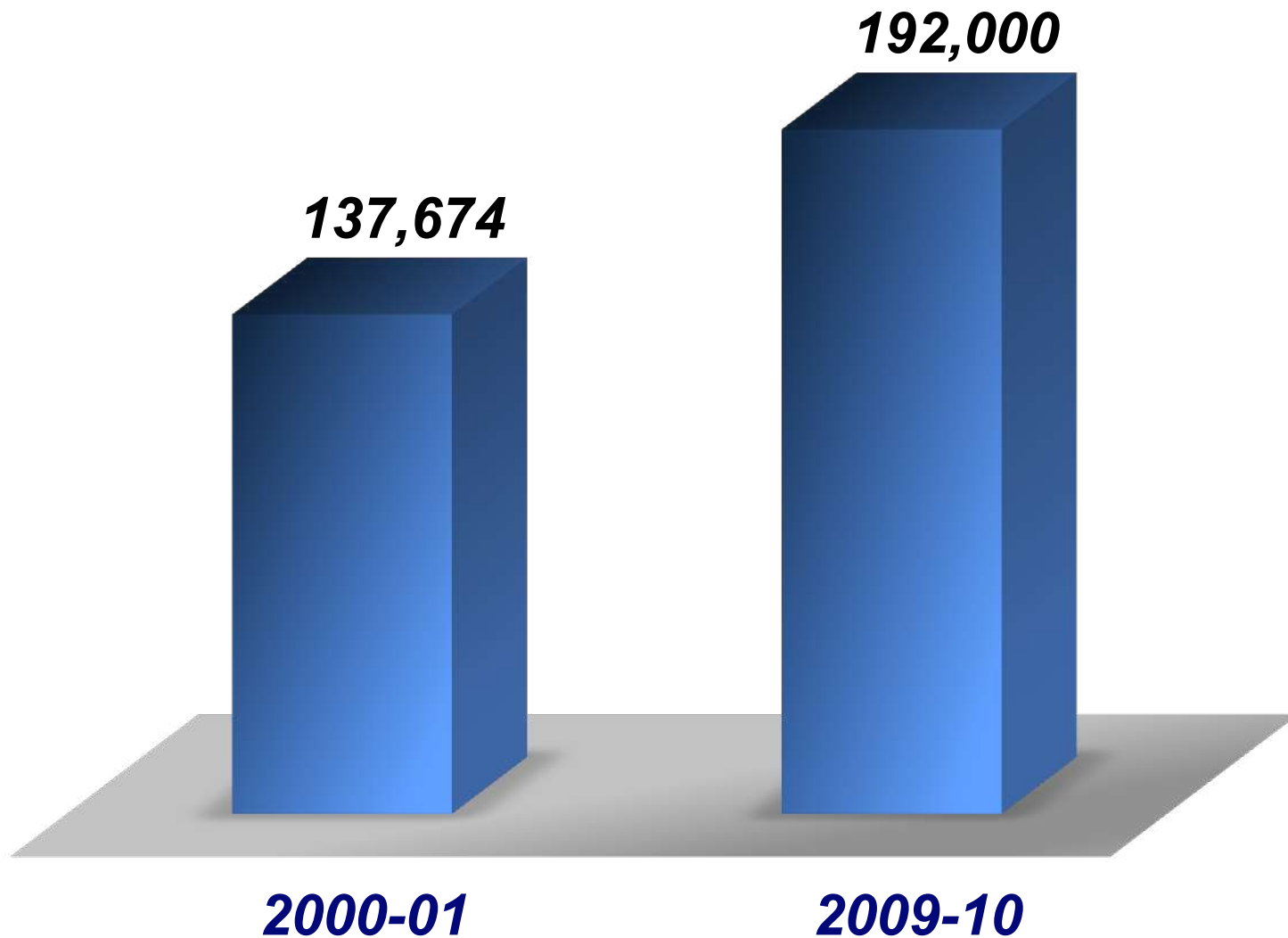
# *SC Career and Technical Education: A Decade of Growth*

Number of Career and Technical Students in grades 7-12  
**188,000**

Number of Students graduating in 2009  
**38,000**

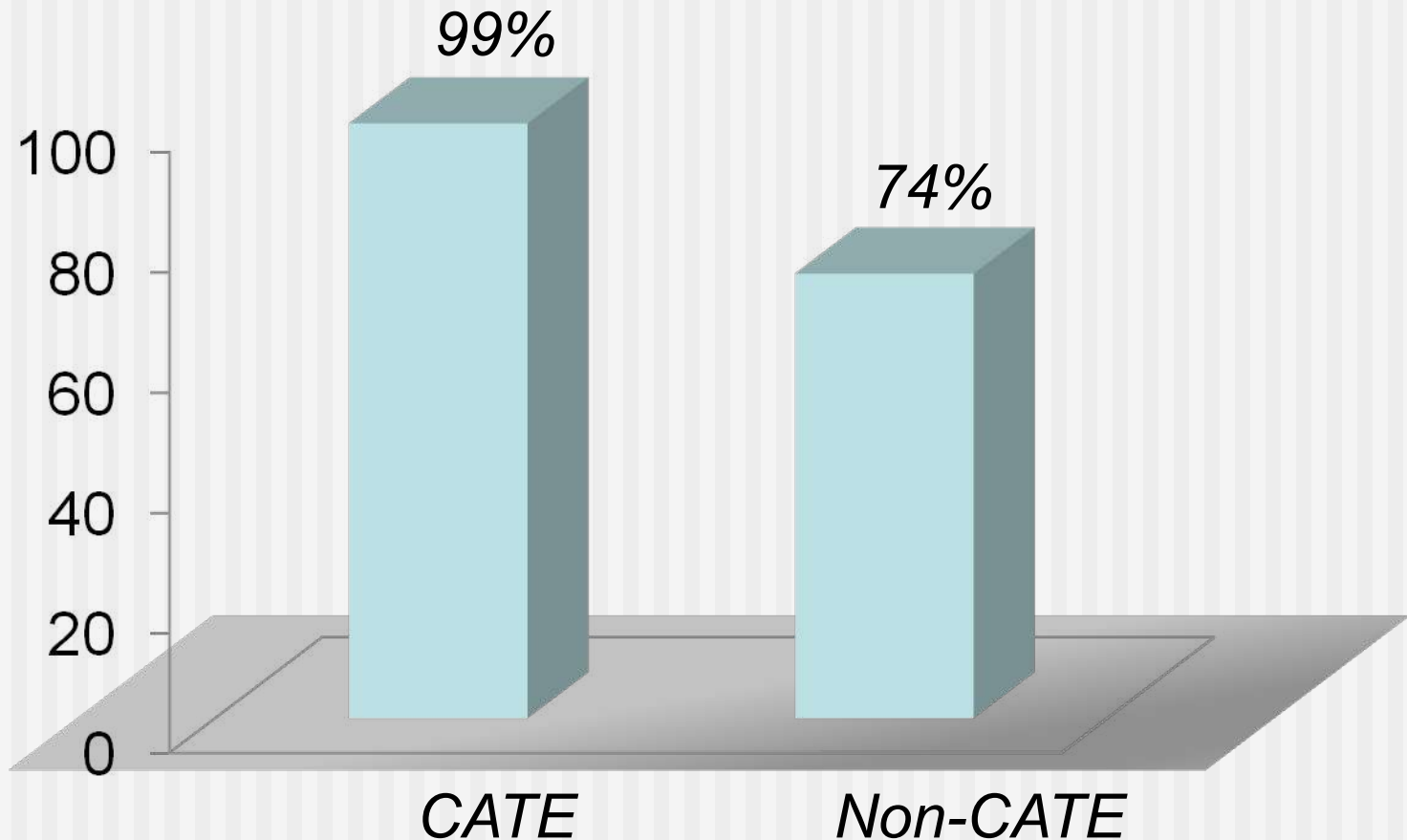
Number of CATE students with 3 or 4 CATE courses (Majors)  
**19,000**

# ***SC Career and Technology Education Enrollment***



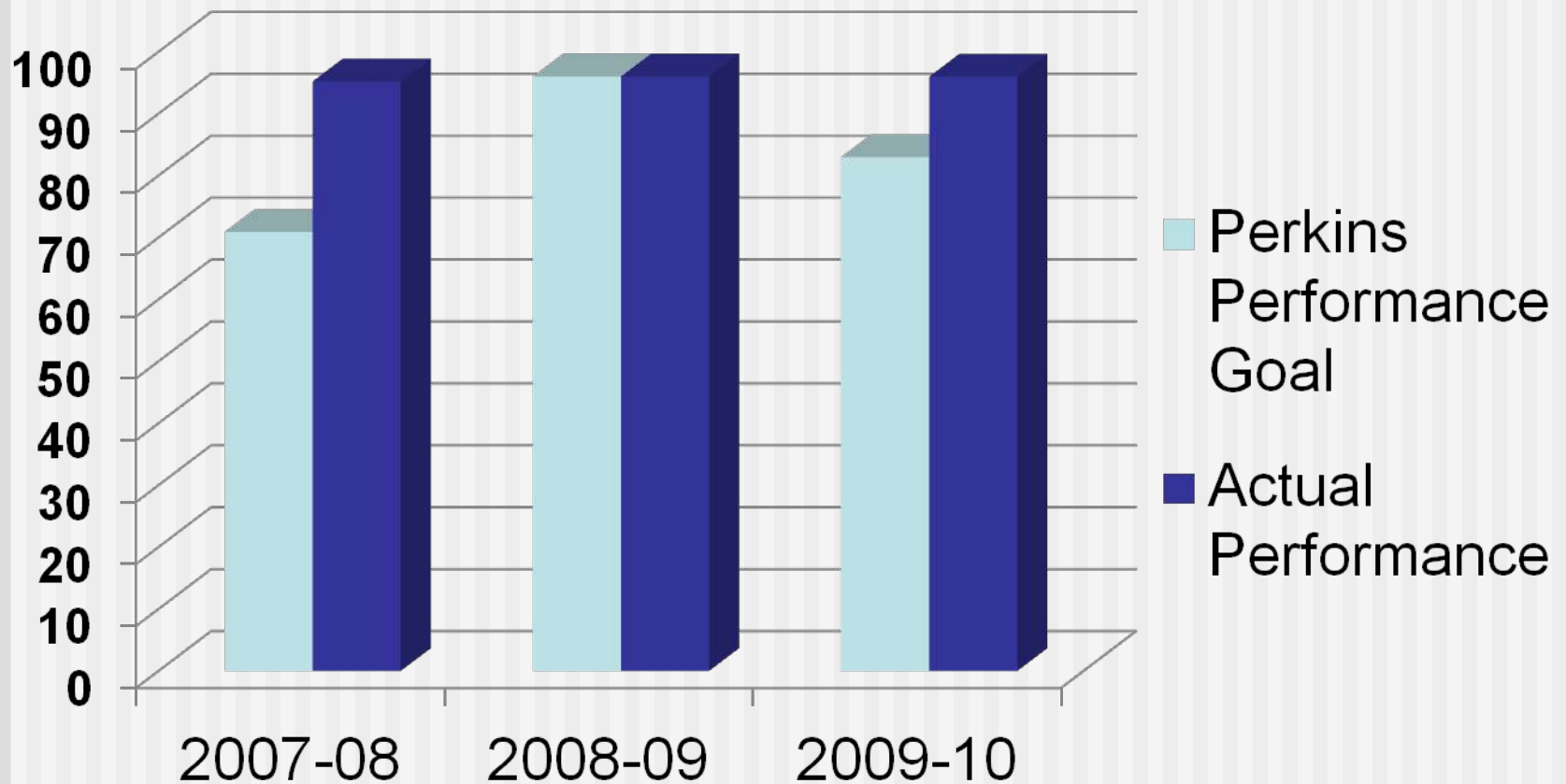
# ***Percent of Students Graduating on Time***

*CATE and Non-CATE, 2009*

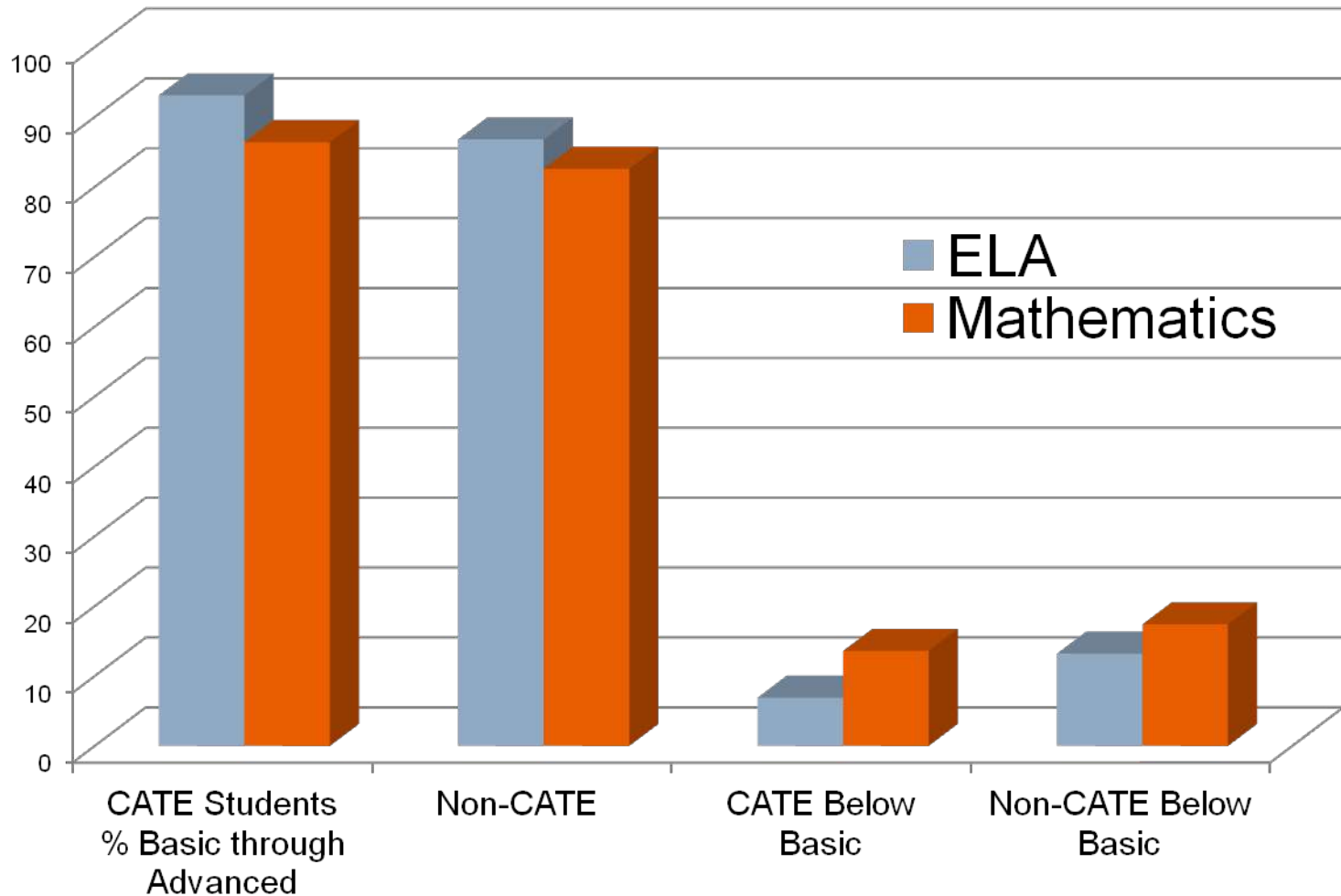


# ***CATE Student Graduation Rates***

## *Goal vs. Performance, 2007-2009*



# ***Results of the High School Assessment Program: 2008-2009 12<sup>th</sup> Grade Students Taking the HSAP***



# Questions?

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