CAREER & TECHNOLOGY EDUCATION (CTE)
SOUTH CAROLINA

Dana Depew, Education Associate
For Testing, Assessments, and Standards
CTECS Presentation 9/22/16
PROFILE OF THE
South Carolina Graduate

WORLD-CLASS KNOWLEDGE

Rigorous standards in language arts and math for career and college readiness

Multiple languages, science, technology, engineering, mathematics (STEM), arts and social sciences

WORLD-CLASS SKILLS

Creativity and innovation

Critical thinking and problem solving

Collaboration and teamwork

Communication, information, media and technology

Knowing how to learn

LIFE AND CAREER CHARACTERISTICS

Integrity • Self-direction • Global perspective • Perseverance • Work ethic • Interpersonal skills

© SCASA Superintendents’ Roundtable

TransformSC

AN INITIATIVE OF SOUTH CAROLINA COUNCIL ON COMPETITIVENESS
SC CTE CURRICULUM PATHWAYS ALIGN TO THE 16 CAREER CLUSTERS

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

Career Clusters
South Carolina Apprenticeship Carolina *By the Numbers*

**Number of Programs**
- 2007: 90
- Today: 791
- Increase: 9x

**Number of Apprentices**
- 2007: 777
- Today: 15,781
- Increase: 20x

*Source: Apprenticeship Carolina*
South Carolina Youth Apprenticeship By the Numbers

Sample of Current Occupations
- Accounting Technician
- Child Care Development Specialist
- Advanced Manufacturing: Industrial Maintenance Technician
- Advanced Manufacturing: Machine Tool Operator
- Advanced Manufacturing: CNC Operator
- Hospitality: Guest Services
- Hospitality: Culinary Arts
- IT: Computer Programmer
- IT: Help Desk Technician
- Health Care: Nurse Assistant
- Health Care: Medical Office Assistant
- Construction: Construction Craft Laborer
- Construction: Plumber
- Construction: HVAC Installer / Service Technician
- Automotive: Automobile Body Repairer
- Automotive: Automotive Technician
- Photographer / Public Affairs
- Water and Waste Water Operator

Source: Apprenticeship Carolina
• **2014-15 School Year**
  - 9,953 completers were awarded Diplomas.
  - 12,866 completers
  - 10,446 received industry credentials

• **Completer Requirements**
  - A proposed change from a minimum of four units to three
    - 1st reading in September, 2nd reading in December

• **Assessment criteria**
  - Reviewing cut scores for completer programs in the state

• **Dual credit initiatives** (Regulation 43-234)
  - Focused effort for secondary students to earn post-secondary credit
SOUTH CAROLINA ACCOMPLISHMENTS

• **Loaner Robot Program**
  - Provided to all schools throughout the state on a monthly period:
  - NXT Robots, Sphero, Arduino Kits, Raspberry Pi, Hummingbird, EV3 Lego Robots

• **Cyber Security curriculum and competitions**

• **Credit Unions**
  - High school campuses for real experiences and student training around banking services

• **Consistent enrollment growth**
  - Middle school and technology programs

• **Law Public Safety Corrections and Security**
  - Partnered with the South Carolina Fire Academy
  - Certification in Firefighter 1 & 2
SOUTH CAROLINA CTE STANDARDS ALIGNMENT

- ELA
- Math
- Science
- Social Studies

- SCANS
- ISTE
- Employability Skills
SOUTH CAROLINA ACCOMPLISHMENTS

CTE Standards Website

• Business, Marketing, Finance
• Computer Science
  • Required for all students (K-12)
  • High School students will be required to take an advanced programming/coding course prior to graduation
• Family and Consumer Sciences: Culinary Arts, Fashion Design, and Food Science
• Health Science
• Manufacturing
• STEM
• Technology
YOUTH EDUCATION AND SKILLS (SC YES) INITIATIVE: TRANSFORMING SYSTEMS OF CAREER PREP FOR ALL STUDENTS

KEY OBJECTIVES

Key Objective 1: Demand-Driven and Employer-Led Processes

Key Objective 2: Rigor and Quality in Career Pathways for ALL

Key Objective 3: Career-Focused Accountability Systems

Key Objective 4: Scaled Pathways that Culminate in Credentials

Key Objective 5: Align State and Federal Funding Streams

Key Objective 6: Ensure Cross-Institutional Alignment

JP Morgan Youth Education and Skills
YOUTH EDUCATION AND SKILLS (SC YES) INITIATIVE: TRANSFORMING SYSTEMS OF CAREER PREP FOR ALL STUDENTS

- Complete a **comprehensive diagnostic assessment** of SC’s career preparation system

- Collect and analyze **ALL key data** for **ALL students**

- Develop a three-year **career readiness action plan** that addresses **all six** key objectives

- Demonstrate **early “wins”** that position South Carolina to effectively execute the plan.

- October 7, 2016: **“artifacts”** due (needs assessment, data analysis results, 3-year action plan, evidence of early wins, budget)

- October 14, 2016: **presentation slides** due

- October 25-26, 2016: cross-state convening in Washington D.C. Phase one states compete for phase two funding! **$650,000/year for three years!**
PURPOSE OF SC YES INITIATIVE

“To invest in the development of new and effective strategies to scale high quality career pathways and significantly expand student access to participation in and completion of those pathways that culminate in meaningful post-secondary and workforce credentials and prepare young people to prosper in a competitive global economy.”

Molly Spearman, SC Yes Leadership Team, State Advisory Board Presentation
SC PARTNERSHIP WITH CTECS FOR PROGRAM IMPROVEMENT

• **Architecture and Construction**
  • Architectural Design, Mechanical Design, Building Construction Cluster, Carpentry, Electricity, HVAC Technology, and Masonry

• **Arts/A/V Technology, and Communication**
  • Architectural Design, Mechanical Design

• **Business Management and Administration**
  • Administrative Services, Business Information Management, General Management, and Operations Management (pilot)

• **Finance**
  • Accounting and Business Finance
SC PARTNERSHIP WITH CTECS FOR PROGRAM IMPROVEMENT

- **Information Technology (IT)**
  - Information Support and Services, Networking Systems, Computer Programming with C++, and Computer Programming with Visual Basic

- **Manufacturing**
  - Welding

- **Marketing**
  - Marketing Communications, Marketing Management, and Merchandising

- **Workplace Readiness Skills-Pilot**
Questions?
CONTACT US

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Thank you!