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Leadership South Carolina

Education Equals Jobs

Jim Reynolds
Past Chair, S.C. Chamber
February 13, 2013



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EDUCATION IS
EVERYBODY'S
BUSINESS

Competing Globally in 21st Century

- Mastery of math, reading and locating information – WorkKeys level 5 (Gold).
- Critical thinking skills.
- Creative problem solving skills.
- Strong communication skills.
- Skilled in collaboration and teamwork.
- Strong sense of responsibility and ethics.
- Competency in a foreign language and awareness of global cultures.
- Competent with current technology.



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Strategies to Prepare South Carolina's Knowledge Workforce

1. Prepare Children for Success in School

- Up to third grade, children learn to read. After third grade, students read to learn.
- 39% of fourth graders cannot read at grade level.
- SC must develop a statewide strategy and commit to achieving reading proficiency.
- Focus on ages 0-5 and parents as first teachers.
- Businesses can help by supporting community reading programs.

Michelin Mentors in Title One Schools





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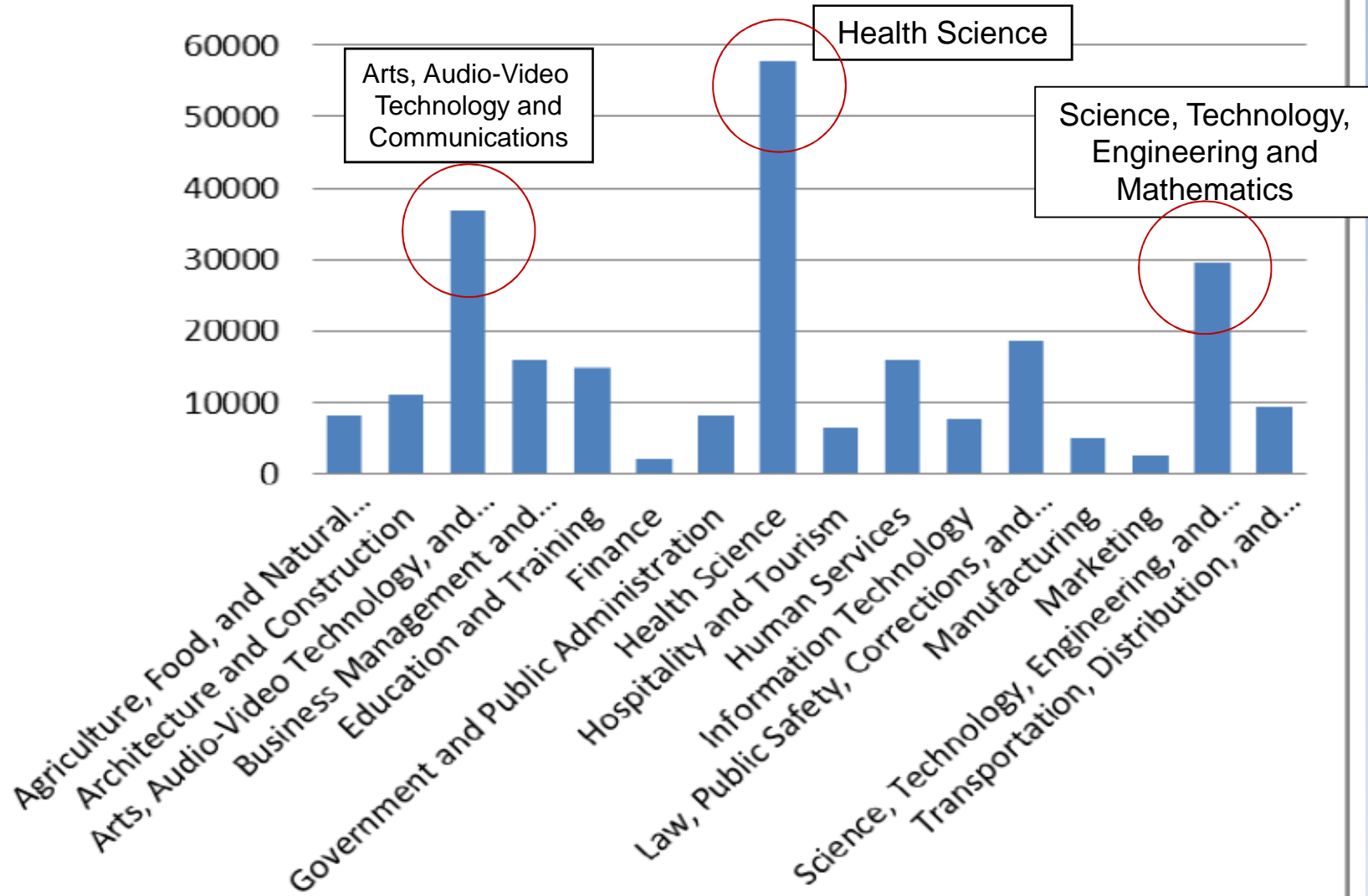
Strategies to Prepare South Carolina's Knowledge Workforce

2. Increase the Pipeline from High School through Personal Pathways to Success

- 99% of students now have Individual Graduation Plans with a Cluster of Study tied to career goals.
- During the 2011-12 school year 27,000 students were in At Risk programs with 98% success rate.
- There has been a 26% reduction in dropouts, down from 8,032 in 2007-08 to 5,900 in 2010-11.
- Regional Education Centers continue to connect business and education leaders and to secure “Extended Learning Opportunities” for students.
- Seamless transitions available to college – course alignment project, dual credit/AP courses, middle colleges.

2011-12 Student IGP Data

Cluster Selection by Students



Josh Gates

White Knoll High School

- IGP Cluster
and Major:
STEM and
Aerospace
Science
- Career Goal:
Astronaut



Darnell Williams, Swansea High School

- In the bottom quartile of his class, Darnell was on track to drop out until the JAG-SC program saved him.
- Graduated in June, 2010
- Mentors inner city youth in Gang-Out program
- Enrolled in Midlands Tech majoring in business and wants to become an Entrepreneur





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Strategies to Prepare South Carolina's Knowledge Workforce

- 3. Align Higher Education to Economic Development Strategies**
 - Endowed Chairs SmartState Program – commercialize research for jobs in South Carolina.
 - Bridge and Reverse Bridge programs at 2 and 4 year colleges to blend knowledge and skills.
 - Technical Colleges tailor programs to needs of industry clusters.
 - Develop New Front Door to higher education with stackable certificates to increase access and affordability for adults.



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Strategies to Prepare South Carolina's Knowledge Workforce

4. Connect Adults to Education and Training

- 178,151 SC residents have earned WorkKeys Career Readiness Certificates – second in the U.S. behind Georgia.
- SC Work-Ready Communities Initiative launched.
- 360 Quick Jobs Courses in SC – 3-6 month training to gain skills for employment in high need jobs.
- Apprenticeship Carolina – since 2007 the number of apprentices has increased 447% and we now have over 4300.
- readySC is one of the best in the U.S. at standing up a trained workforce.
- GED attainment up from 4,364 in 2004 to 8,265 in 2011 with seamless connections to technical college programs.

QuickJobs at Technical Colleges



Cory Mickle,
Carolina Energy/
Westinghouse

“Besides having my son 10 years ago, enrolling in the welding program at Midlands Tech was the best thing that has happened to me. Before completing the 24 week welding program, I was making \$500 per week. Now I’m on pace to make \$100,000 per year.”



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Strategies to Prepare South Carolina's Knowledge Workforce

- 1. Prepare Children for Success in School**
- 2. Increase the Pipeline from High School through Personal Pathways to Success**
- 3. Align Higher Education to Economic Development Strategies**
- 4. Connect Adults to Education and Training**
- 5. Develop a Culture of Valuing Education**

S.C. Chamber's 2020 Goals for Education and Workforce Performance

1. 99% of students with electronic Individual Graduation Plan.
2. 85% of high school students graduate on time.
3. 80% of at risk 4 year olds complete 4K.
4. SC in top five states improving NAEP scores in reading and math.
5. 50% reduction in achievement gap of poverty and minority students.
6. All high school students have a WorkKeys certificate.
7. 15,000 GED's awarded annually, up from 8,000 currently.
8. 10 time increase in registered apprenticeships from base of 777.
9. SC exceed national average for 2 and 4 year degrees.
10. Adult Pathways to continuing higher education.



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So . . . What are our Results?

- SC on-time high school graduation rate (74.9%) has increased for three consecutive years and we are now tied for 37th in the nation.
- South Carolina ranks second in the nation in online learning programs like virtual schools.
- South Carolina's academic standards are rated as among the most rigorous in the nation.
- SC ranks 3rd in National Certified Teachers.
- The Jan. 2013 Education Week's "Quality Counts Report" shows SC is at the national average on their K-12 key education success indicators.
- In 2011 Business Facilities magazine ranked SC 8th in the nation in workforce training.



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**We should be proud of our progress
AND
We still have a long way to go**

- In 10 years S.C. has moved from the bottom of the 4th quartile into the 3rd quartile of education results.
- To have a thriving economy with globally competitive jobs, S.C. must move to the top quartile of education performance.
- Rise to 90%+ of K-12 students graduating college, career and citizenship ready with 21st century knowledge and skills.



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South Carolina has challenges

1. 39% of fourth graders read below grade level.
2. While the high school graduation rate has risen to 74.9%, we still have a quarter of our students not graduating on-time.
3. Many of our graduates are not college, career and citizenship ready. 41% entering our technical colleges require remediation at a cost of \$21 million per year to taxpayers.



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Our K-12 System must be Transformed

- Current K-12 model was designed to fit an agrarian and assembly line economy, is badly outdated and cannot produce the results needed.
- Workforce skills have shifted from rote memory and following directions to creative problem solving and innovation.
- New system must:
 - Be learner-centered and personalized, not one size fits all.
 - Require subject mastery instead of seat time.
 - Use assessments that aid learning and measure 21st century skills.
 - Use technology to support the way students access information and learn.



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Successful Models in S.C.

- New Tech High School – project-based learning, soft skills are 65% of report card, 100% graduate
- Meeting Street Academies – PK3-Third, year round calendar, 8:00am to 6:00pm
- A J Whittenberg Elementary – curriculum reflects engineering principles based and is project-based
- Midlands Middle College – on MTC campus, noon to 6:00pm, 97% graduation rate, 90% enter college
- The challenges are removing regulatory barriers, leadership depth and scalability to 700,000 students



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Requirements for our students to be competitive in the global economy

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To be Globally Competitive in the 21st Century, South Carolina Must

- Prepare children ages 0-5 for success in school with a focus on reading proficiency.
- Enable 90%+ of our students to graduate from high school college, career and citizenship ready.
- Create in South Carolina a culture where education is valued by our leaders, our parents and our students.



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