

KANSAS BOARD OF REGENTS



# Workforce Development Report Governor's P-20 Council June 15, 2010

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Director of Workforce Education and Training  
Kansas Board of Regents &  
Kansas Department of Commerce

★ LEADING HIGHER EDUCATION ★

**PLAINTIFFS'**  
**EX. 145**

989888

KBOR000016



# Request of Gov P-20 Council

1. Matrix of policy suggestions
2. Summary of business needs
3. Alignment of postsecondary education with economic development
4. Ideas for STEM support



# Ensuring the Economic Security for Kansans

★ *Good jobs will go where the skilled workers are...*

*Good jobs will stay where the skilled workers are.*

**Workforce development = Economic development**



# Economic Imperative

\$2.4 billion	Lost life-time earnings of the 9,400 students who did not graduate high school in Kansas in 2009
\$126 million	Savings in health care costs over the lifetimes of each class of dropouts had they earned their diplomas
\$43 million/yr	Savings in community college remediation costs and lost earnings if all student graduates were ready for college
\$73 million	Combination of crime-related savings and additional revenue if male high school graduation rate increased by 5%

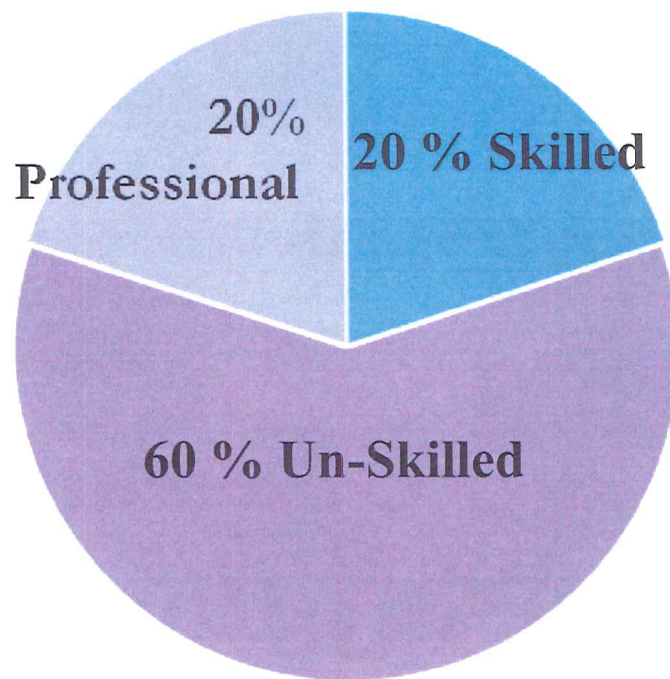
*\*Alliance for Excellent Education – August 2009*

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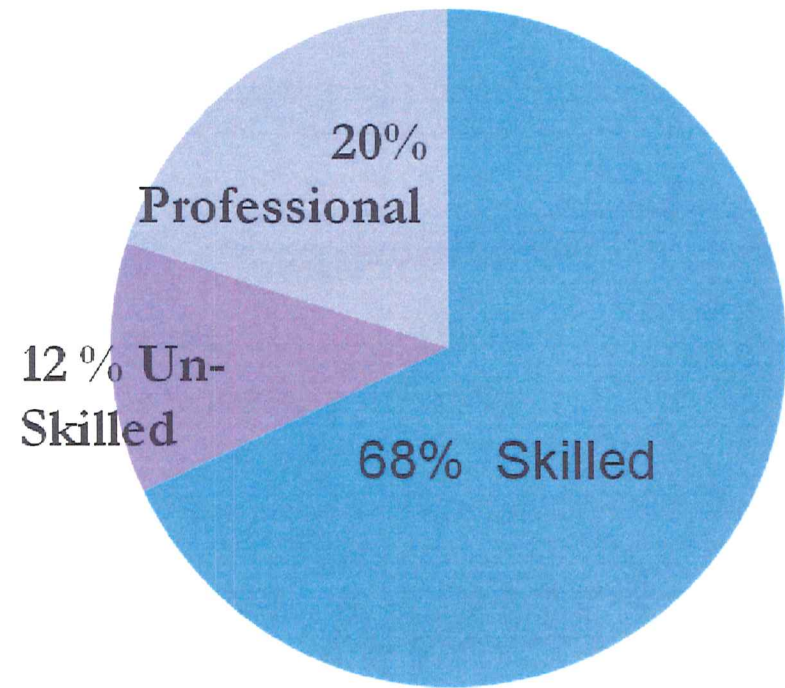
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# Changing Job Requirements



1955



2010

\*Skill data – ACT, Inc. 989888



# What Does Business Want?

## Basic Knowledge

- Reading
- English Language
- Writing in English
- Mathematics
- Science

## Applied Skills

- Professionalism-work ethics
- Teamwork-collaboration
- Critical thinking- problem solving
- Oral communications
- Written communications

*“Are They Really Ready to Work” 2006*

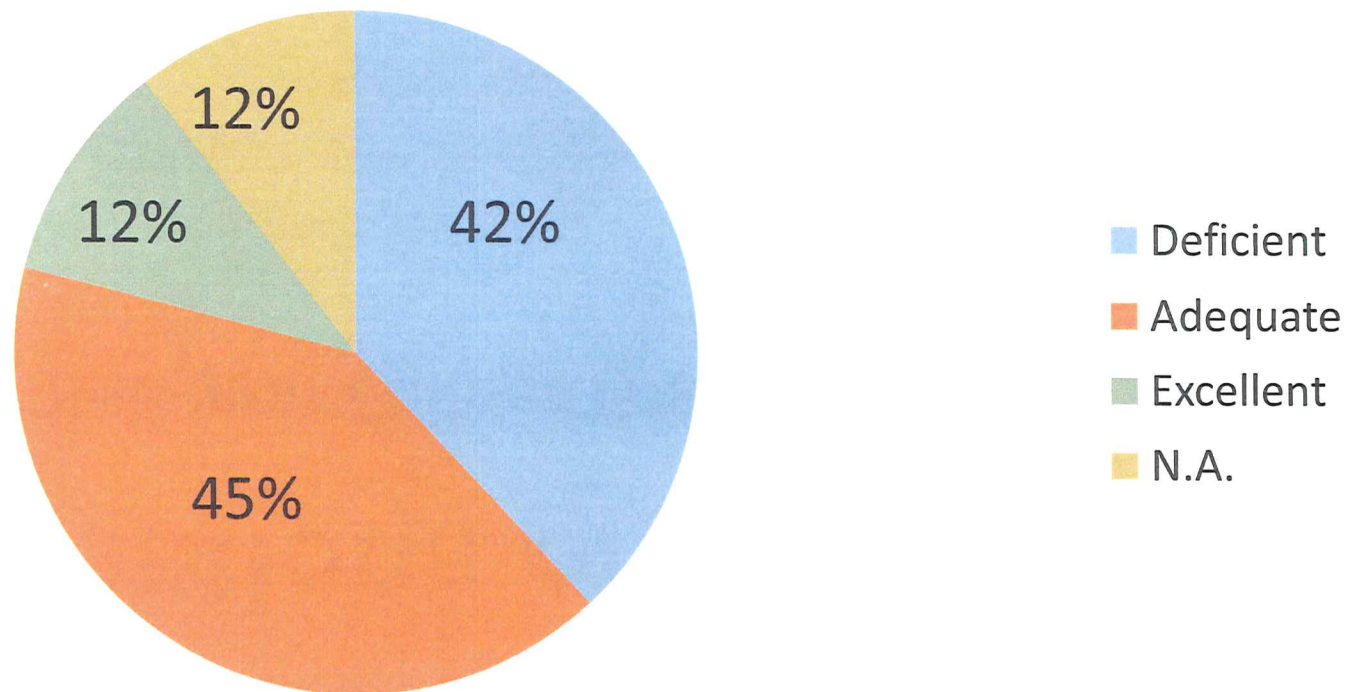
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# Perceptions of Business

## High School and GED grads



*“Are They Really Ready to Work” 2006*

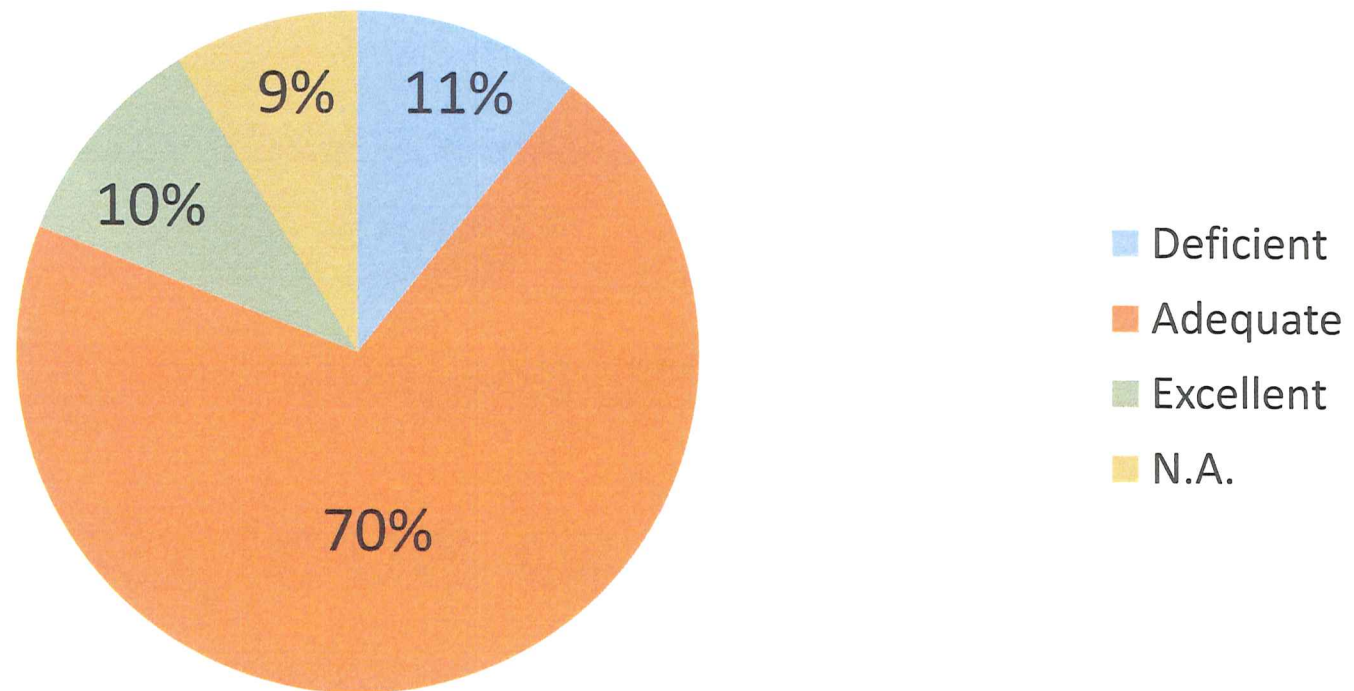
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# Perceptions of Business

## Two-year College Graduates



*"Are They Really Ready to Work" 2006*

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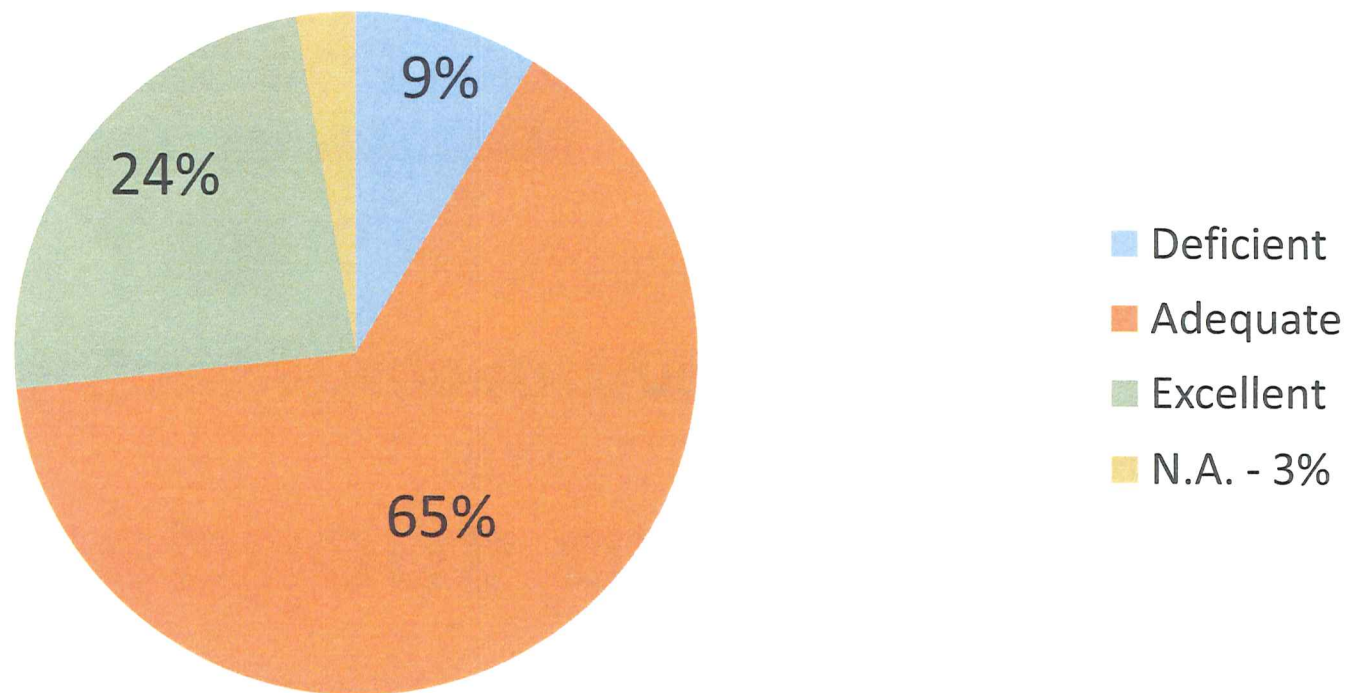
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# Perceptions of Business

## Four-year University Graduates



*“Are They Really Ready to Work” 2006*

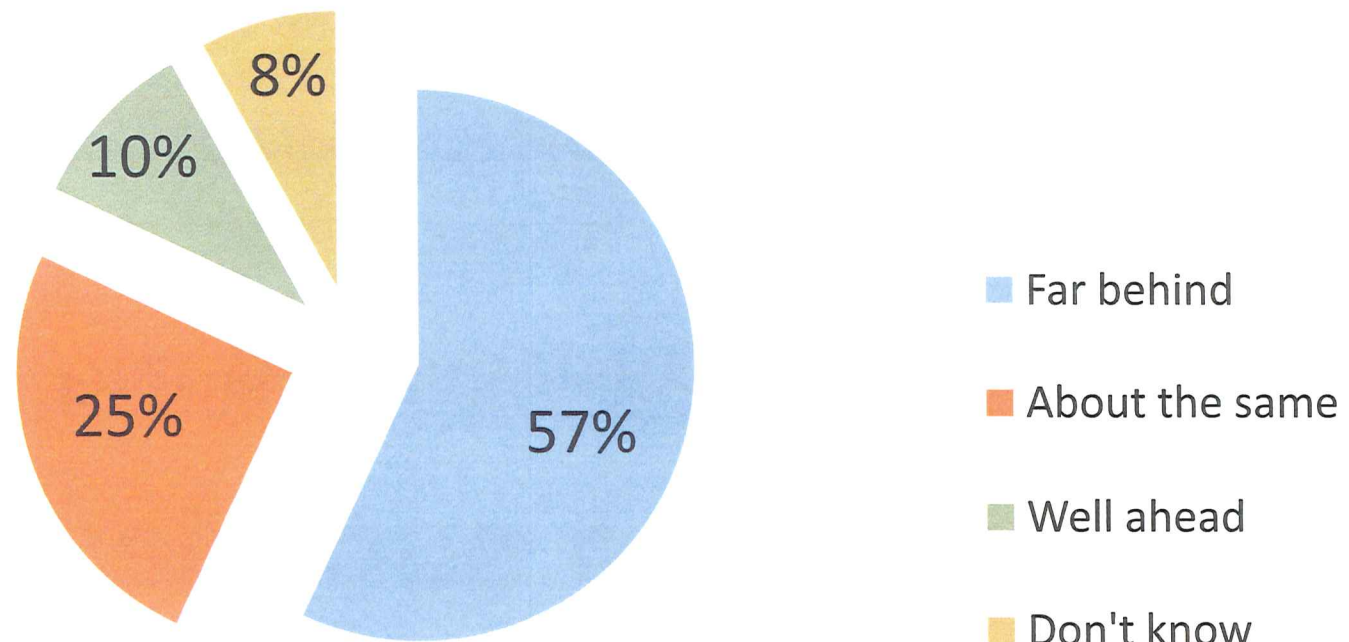
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# Perceptions of Parents

## U.S. Comparison to other Countries

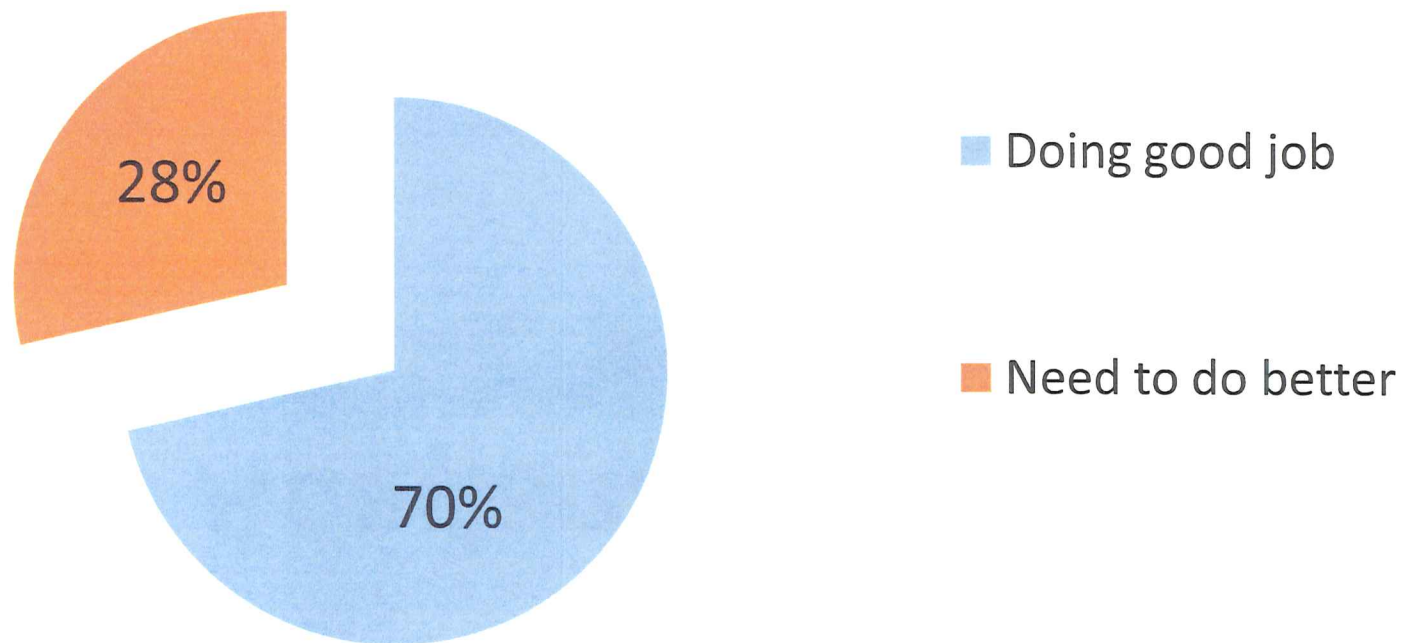


*\*“Important, But Not for Me: KS & MO Parents Talk about STEM Education” - Public Agenda, 2007*



# Perceptions of Parents

## Local Comparison to other Countries

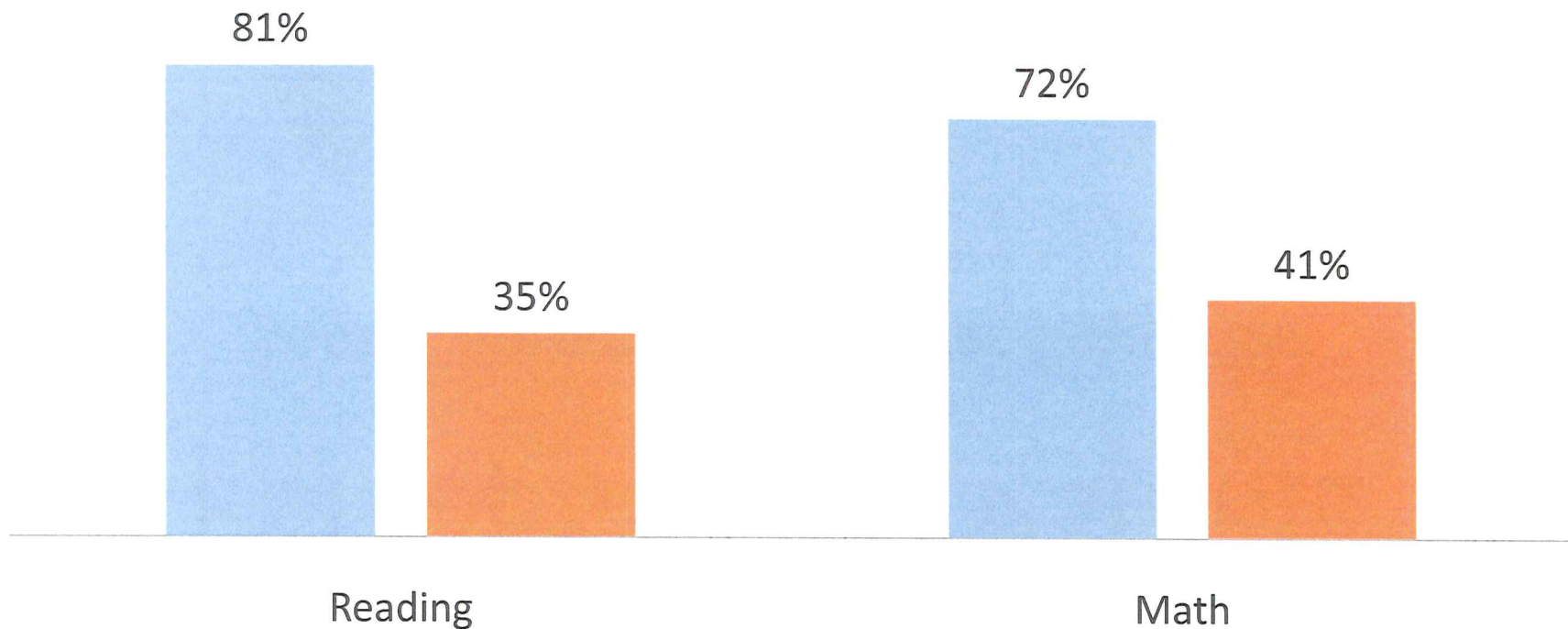


*\*“Important, But Not for Me: KS & MO Parents Talk about STEM Education” - Public Agenda 2007*



# Measure Academic Proficiency

■ State Test   ■ National Test



*\*Kansas Eighth-Grade Proficiency as measured by Kansas State Tests and NAEP*



# Graduates Ready for College-level Coursework

ACT Benchmarks	Kansas	Nation
English – 18	74%	67%
Math – 22	48%	42%
Reading - 21	60%	53%
Science - 24	33%	28%
All four subjects	26%	23%

*\*Percent of 2009 tested - ACT 2010*



# Students Below ACT 20 Composite

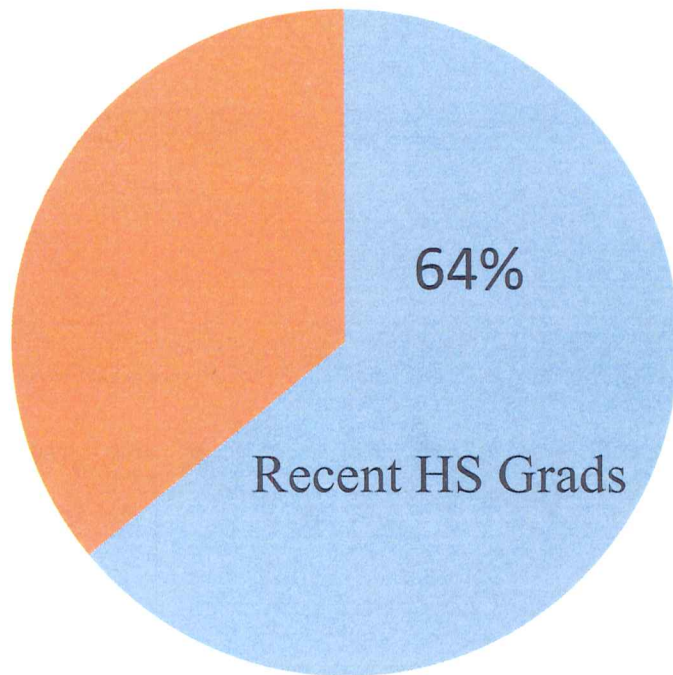
Sector	Percent below ACT composite 20
Universities	29.8% (range 22-35%)
Community/Technical colleges	51.4% (range 39-62%)

\*ACT Profile report, 2009 graduating class,  
Students' score report preferences at time of testing

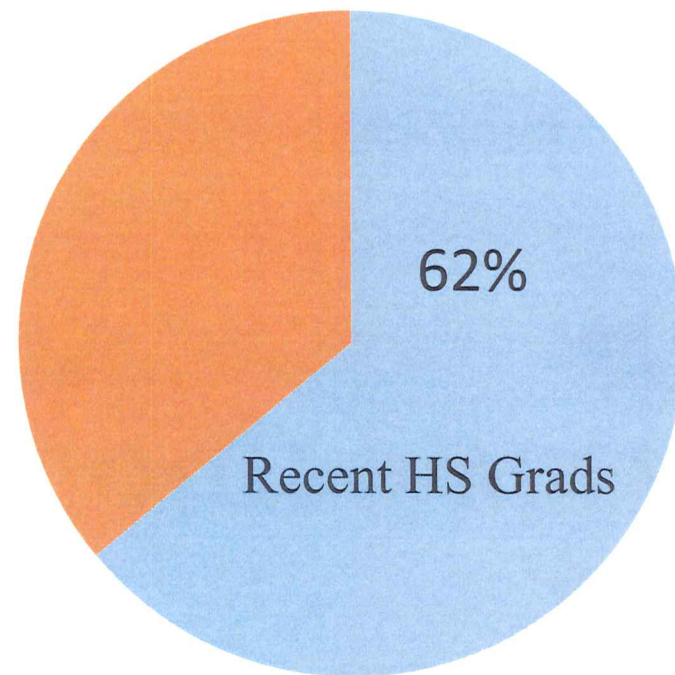


# Developmental Course Enrollment

2008



2009



*\*Kansas postsecondary database 6-1-2010*



# Developmental Coursework

Sector	2008 Academic year	2009 Academic year
Universities	15%	16%
Community colleges	44%	39%
Technical colleges	5%	7%
Total	64%	62%

*\*Recent HS Grads - Kansas postsecondary database 6-1-2010*





# Concurrent Enrollment Partnerships

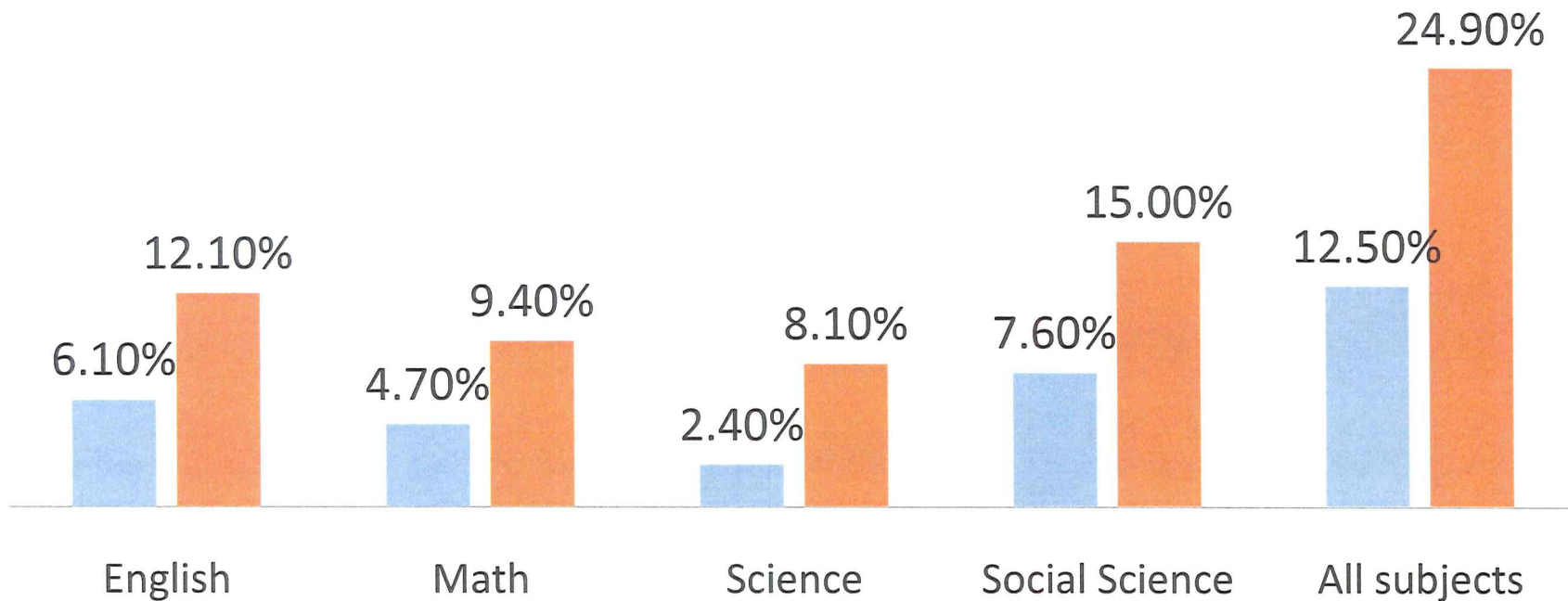
Sector	CEP Credit hours	Total credit hours	Unduplicated headcount
2-year colleges	78,842	1,603,181	10,644
Universities (4)	4,695	785,788	1,073
Totals	83,537	2,388,969	11,717

*\*Concurrent Enrollment Compliance Review-April 2010*



# Advanced Placement Participation

■ Kansas ■ Nation

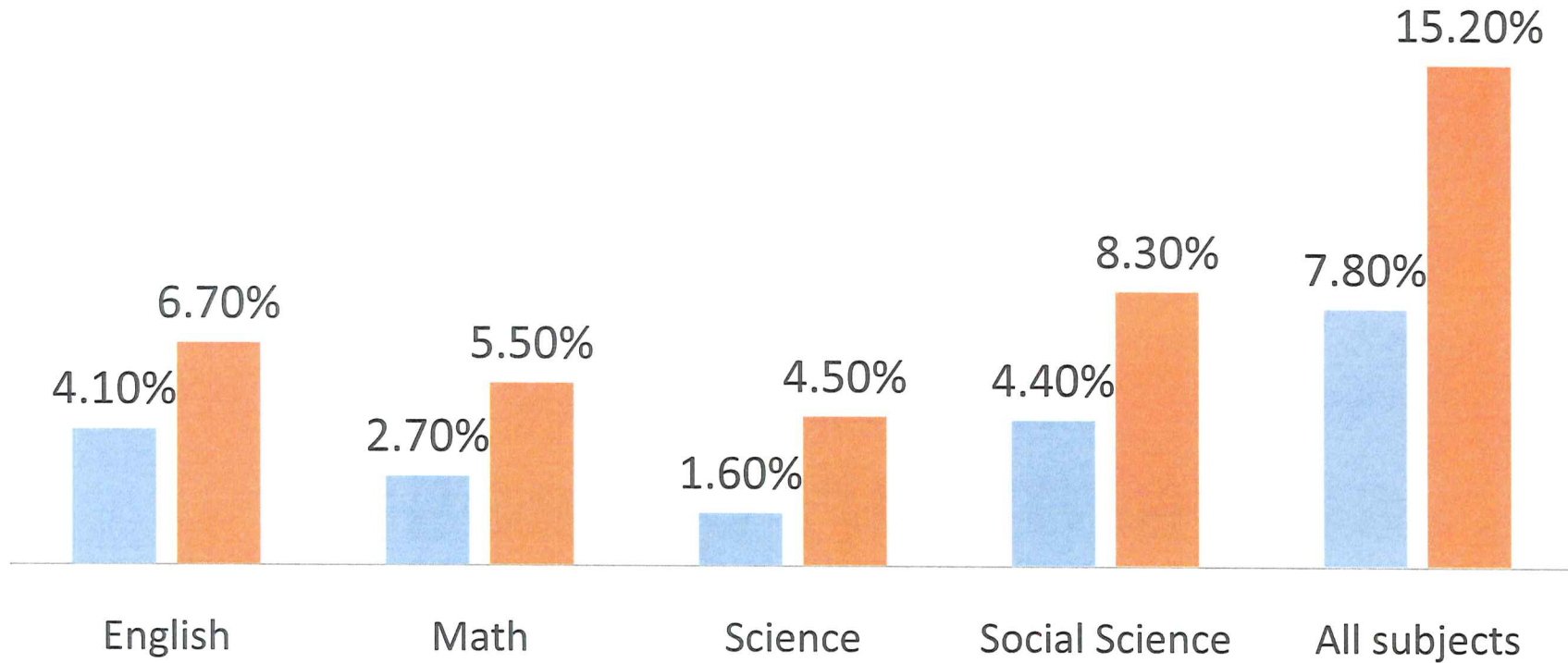


*\*CollegeBoard Annual Report to the Nation: Kansas*  
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# Advanced Placement Pass Rates

■ Kansas ■ Nation

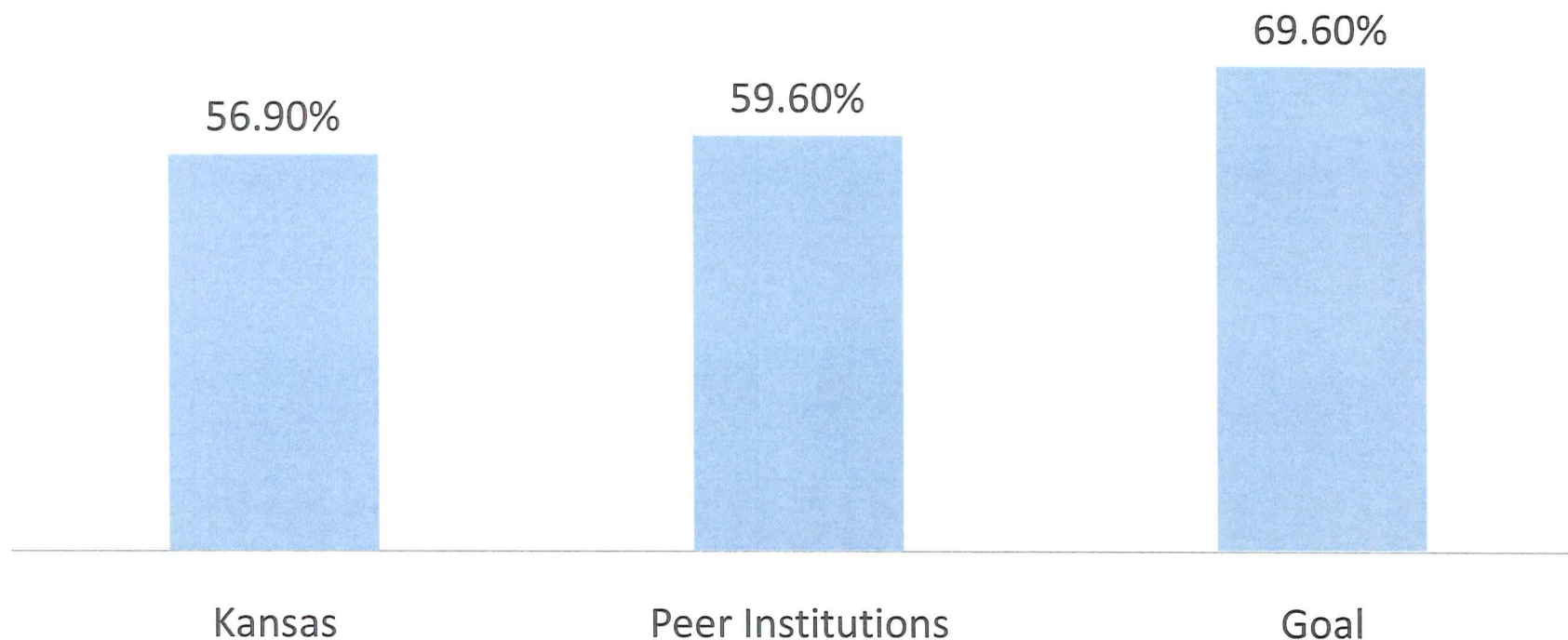


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# Research Universities

6-year Graduation Average

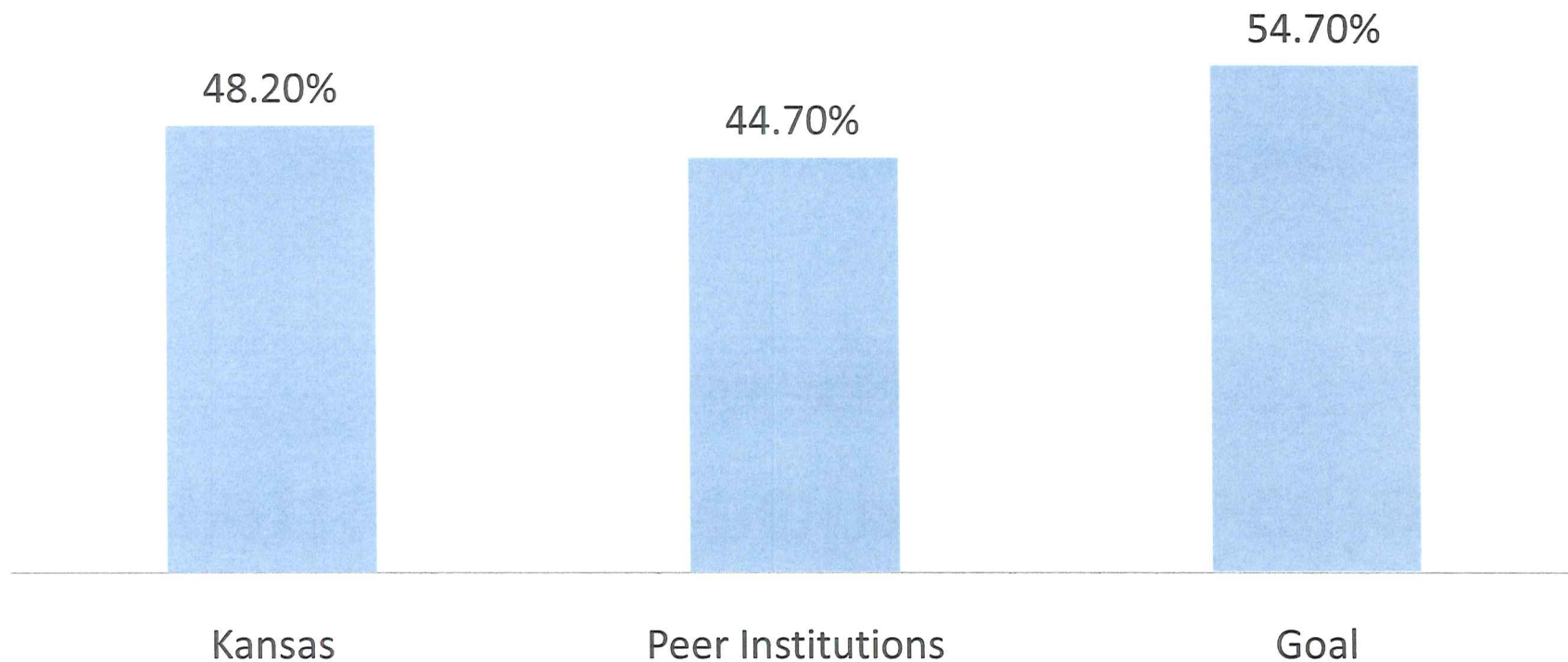


*\*“Building a Public Agenda for Kansas Higher Education”*



# Regional Institutions

6-year Graduation Average

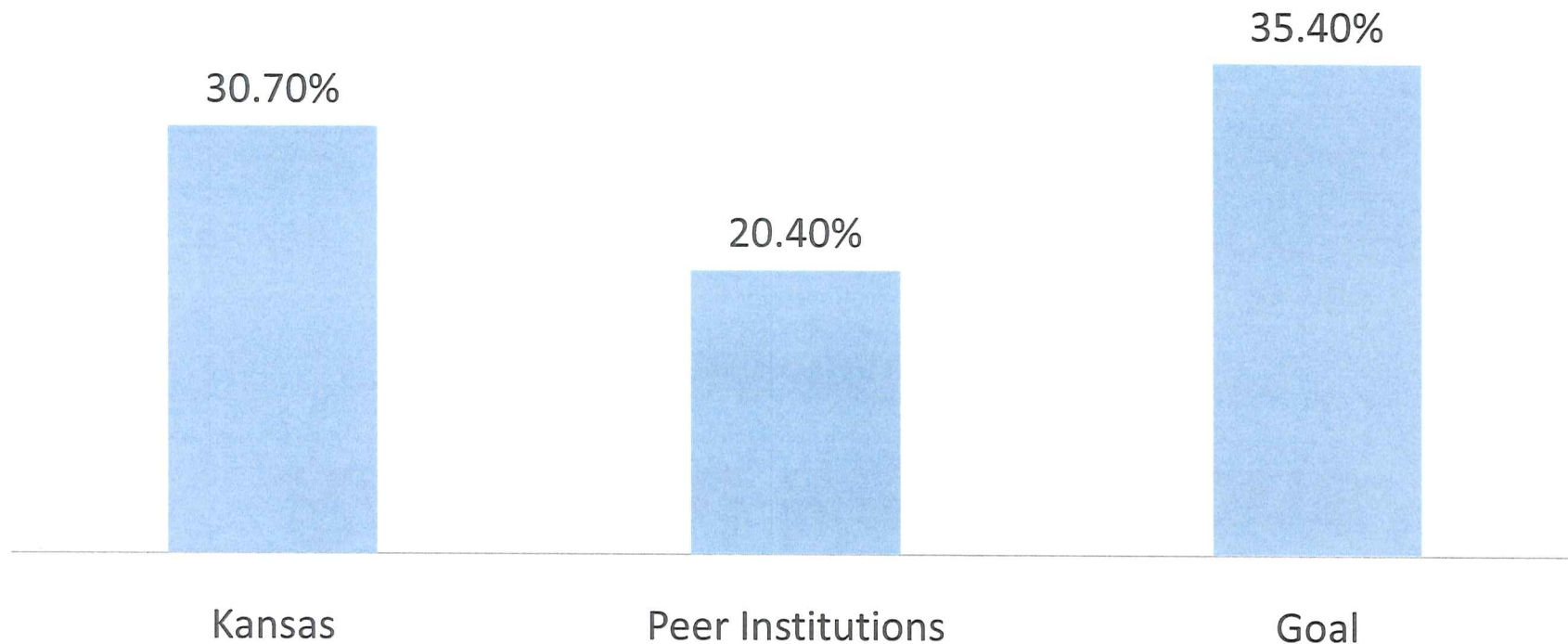


*\*“Building a Public Agenda for Kansas Higher Education”*



# Community-Technical Colleges

3-year Graduation Average



*\*“Building a Public Agenda for Kansas Higher Education”*



# Adopted CTE Motions

**9) Require all Kansas local education agencies to ensure every student has access to services that help guide them in career planning.**

**10) Require every Kansas student, beginning in middle-level or junior high school, to utilize a personalized college career plan of study throughout his/her school experience.**

*\*KSBE Motions for Career Technical Education Policy Initiative*

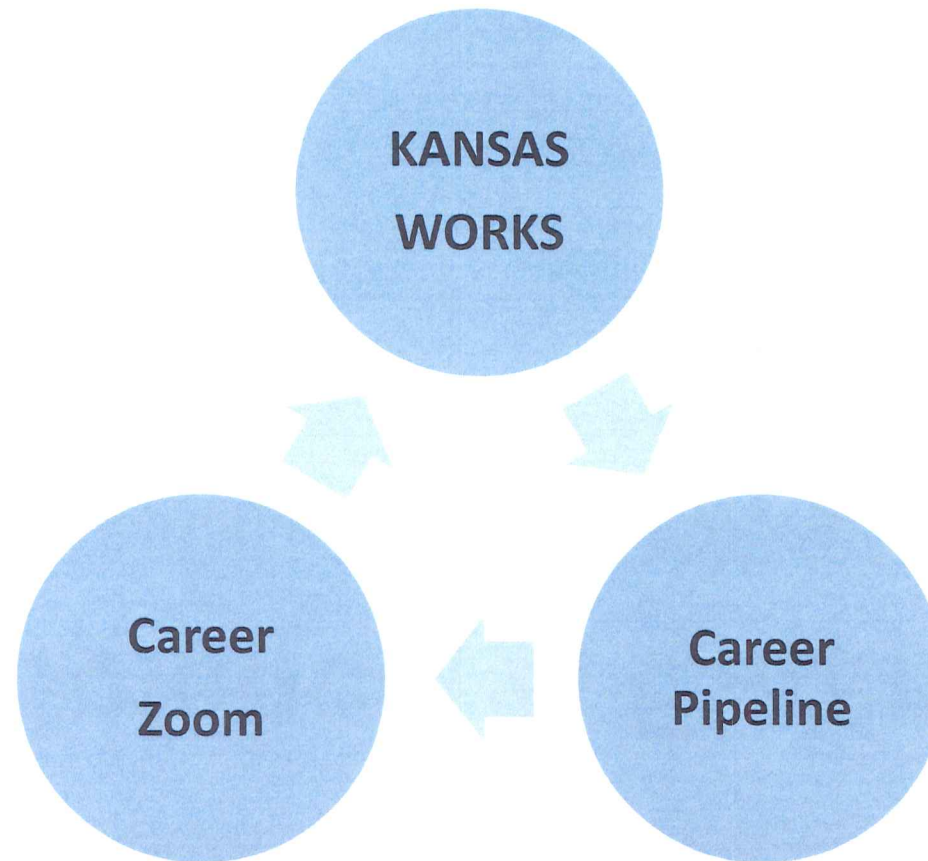
# Kansas Career Fields and Clusters Model







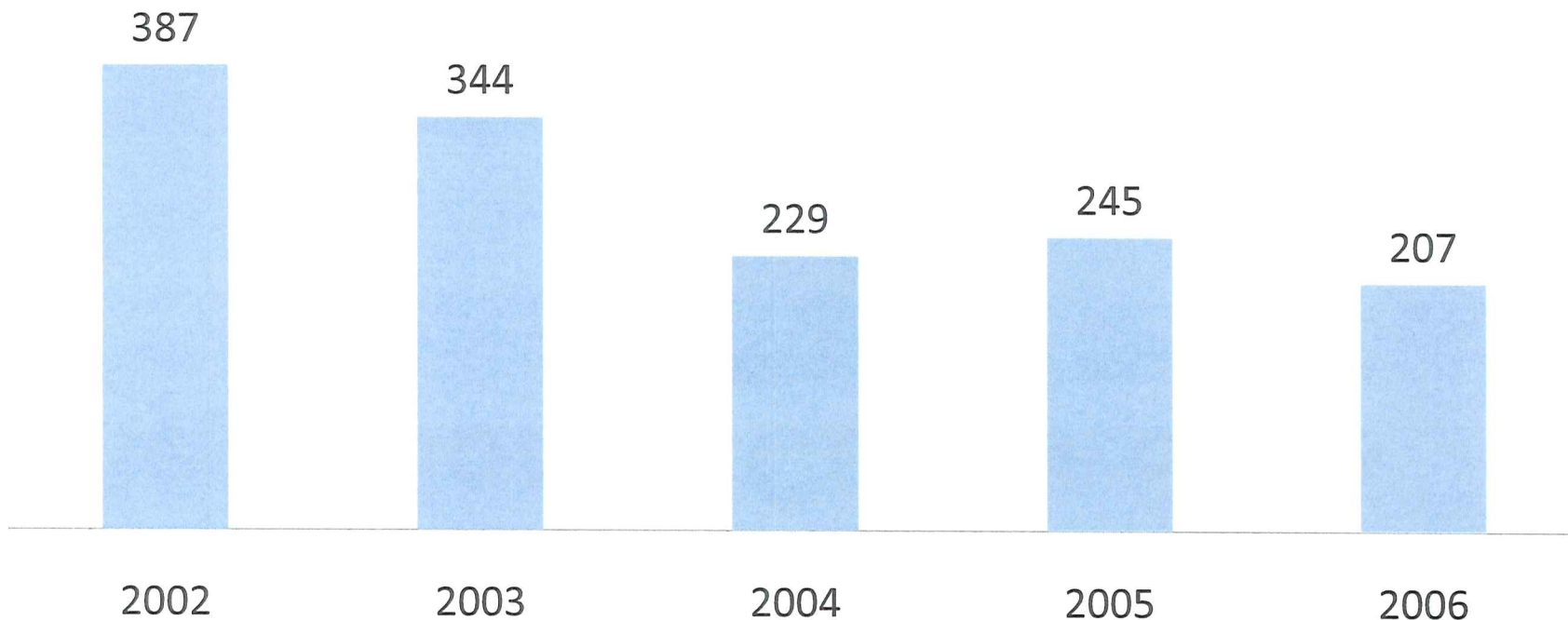
# Integration of Career Sites





# Math, Science, & Engineering

## Associate Degrees Awarded

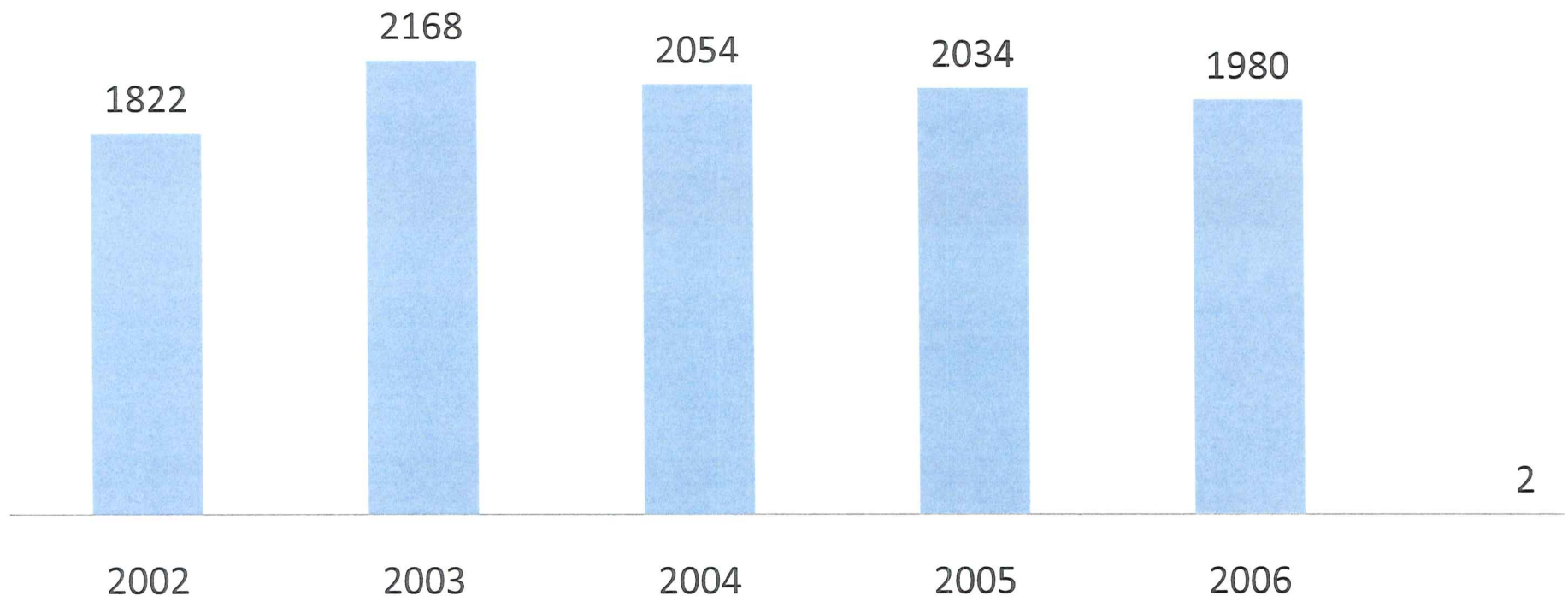


*\*U.S. Dept. of Education, IPEDS Completion survey<sup>989888</sup>*



# Math, Science, & Engineering

## Bachelor's Degrees Awarded

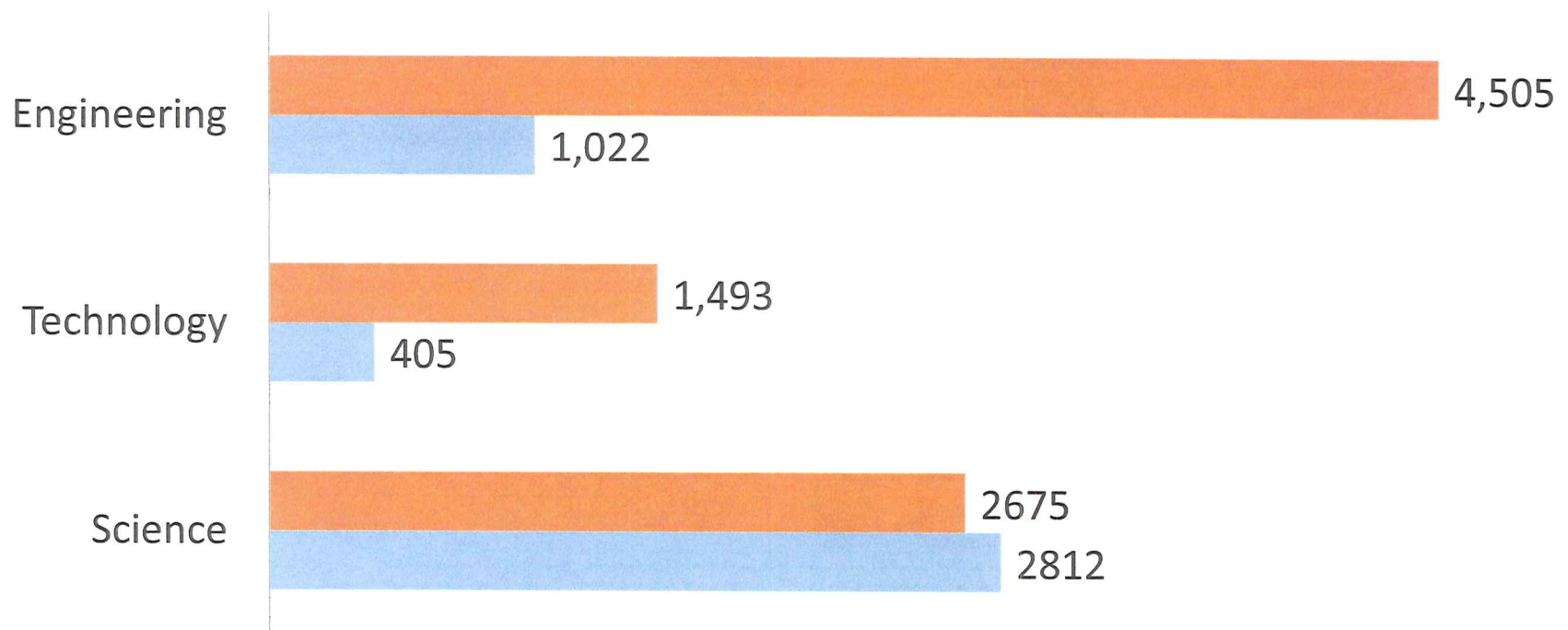


*\*U.S. Dept. of Education, IPEDS Completion survey<sub>989888</sub>*



# STEM Degrees by Gender

Men Women

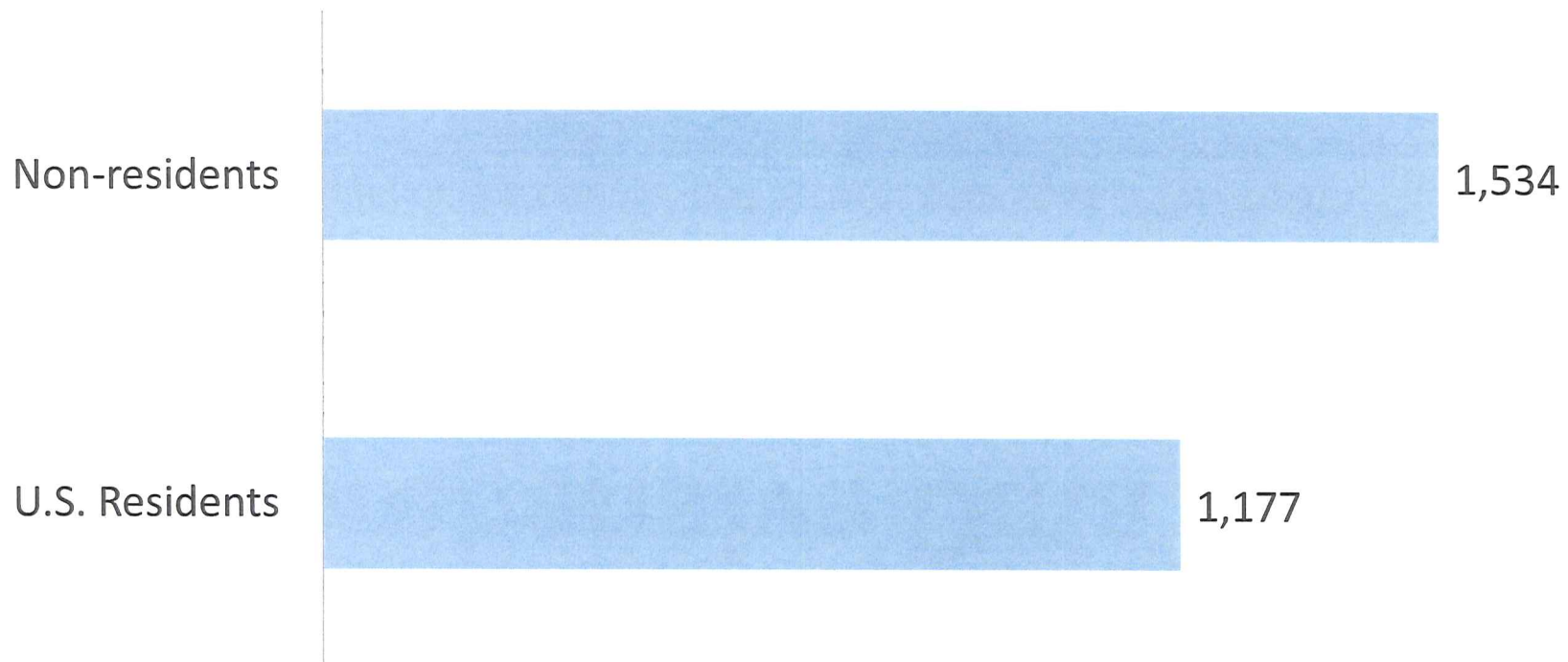


*\*U.S. Dept. of Education, IPEDS Completion survey<sup>989888</sup>*



# STEM Degrees by Residency

## Technical Master's Degrees – 2002-2006



*\*U.S. Dept. of Education, IPEDS Completion survey*



# Comprehensive Data Systems

Ability to track individual students over time	Yes
Student-level demographic information	Yes
Ability to track individual students' test records year to year for growth	Yes
Ability to know which students have not been tested	Yes
Ability to match teachers to students by classroom and subject	No
Student level transcript information	In progress
Information on student performance on college readiness (ACT only)	Yes
Student level graduation and dropout data	Yes
Ability to match student records between K-12 and postsecondary	In progress
System to evaluate data system quality	Yes

*\*National Center for Education Accountability*



# Regents Foresight 2020

- 1) Educational systems alignment
- 2) Participation in higher education
- 3) Persistence and credential attainment
- 4) Focus on learner outcomes
- 5) Alignment with the KS economy



# Lumina Foundation for Education

- ★ **Our Big Goal is to increase the percentage of Americans who hold high-quality degrees and credentials to 60 percent by 2025.**





# **Governor's Forum for Increasing Postsecondary Credential Attainment**

- 1) Elevate awareness
- 2) Endorse policy direction, and
- 3) Discuss strategic implementation steps



**Thank you**

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