

MISSOURI PATHWAYS TO PROSPERITY

WHAT PARENTS NEED TO KNOW NOW



April 23, 2016

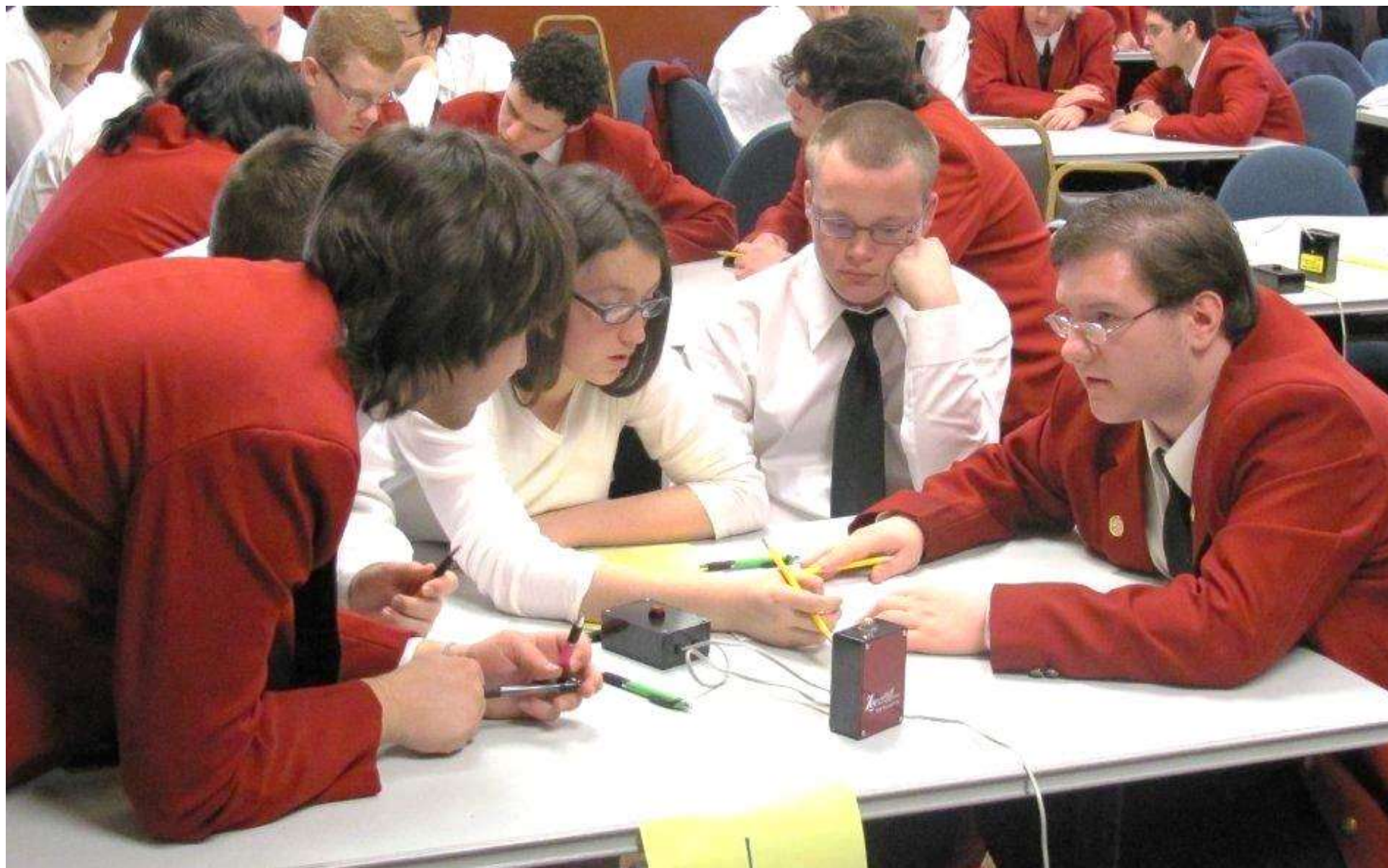
Missouri Department of Elementary and Secondary Education











What grade level is your child?

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Elementary

Middle School

High School

Other



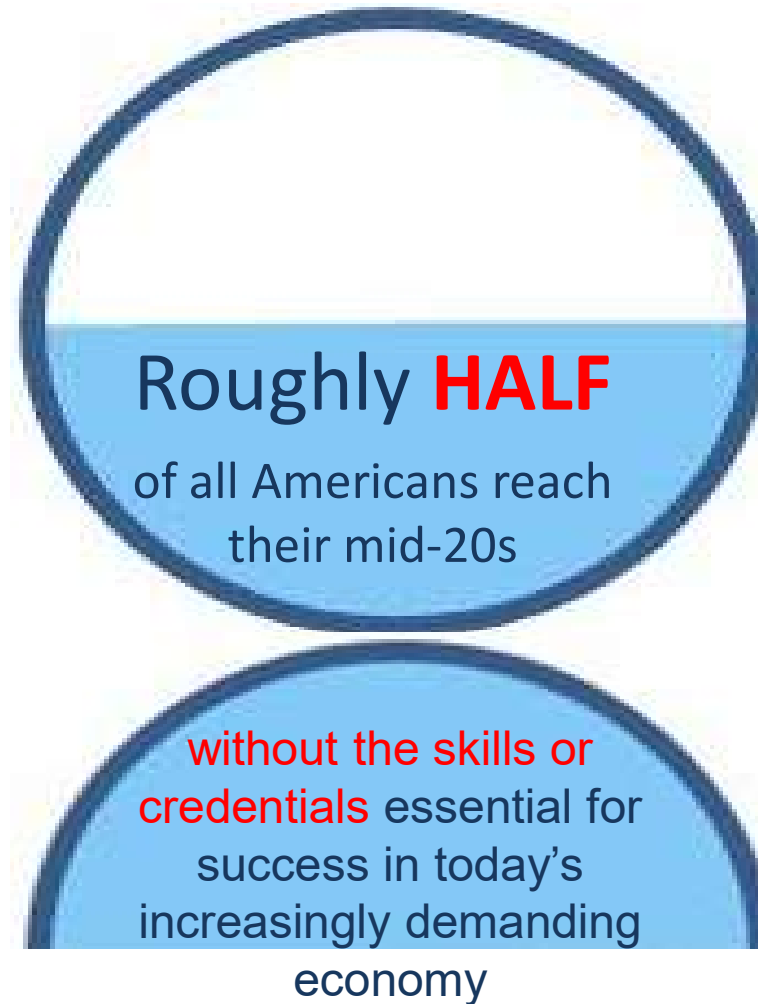
Why did you decide on this session?

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Please Share



THE CHALLENGE WE FACE



Success in the New Economy

<https://www.youtube.com/watch?v=AcNSpKX8kVs>

Of students who enroll in a public college or university

100

Missouri Data

	2-Year Public College		4-Year Public College	
	Full-Time	Part-Time	Full-Time	Part-Time
Enroll	39	15	44	2
Return as sophomores	23	8	35	1
Graduate on time (100% time)	4	0	15	0
Additional graduates 150% time	3	0	5	0
200% time	2	1	0	1
Total graduates	9	1	20	1
Graduate in 4 years	10		21	Graduate in 8 years

Key to measuring time

100% time

150% time

200% time

Associate

2 years

3 years

4 years

Bachelor's

4 years

6 years

8 years

From Complete College America: <http://completecollege.org/wp-content/themes/cca/pdfs/Missouri.pdf>

What is so important for parents to know NOW ?

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Current and Future Labor Markets

Success in the Current/Future Economy

Employer's Needs

Resources

What You can do Now



Job Growth in the US Economy

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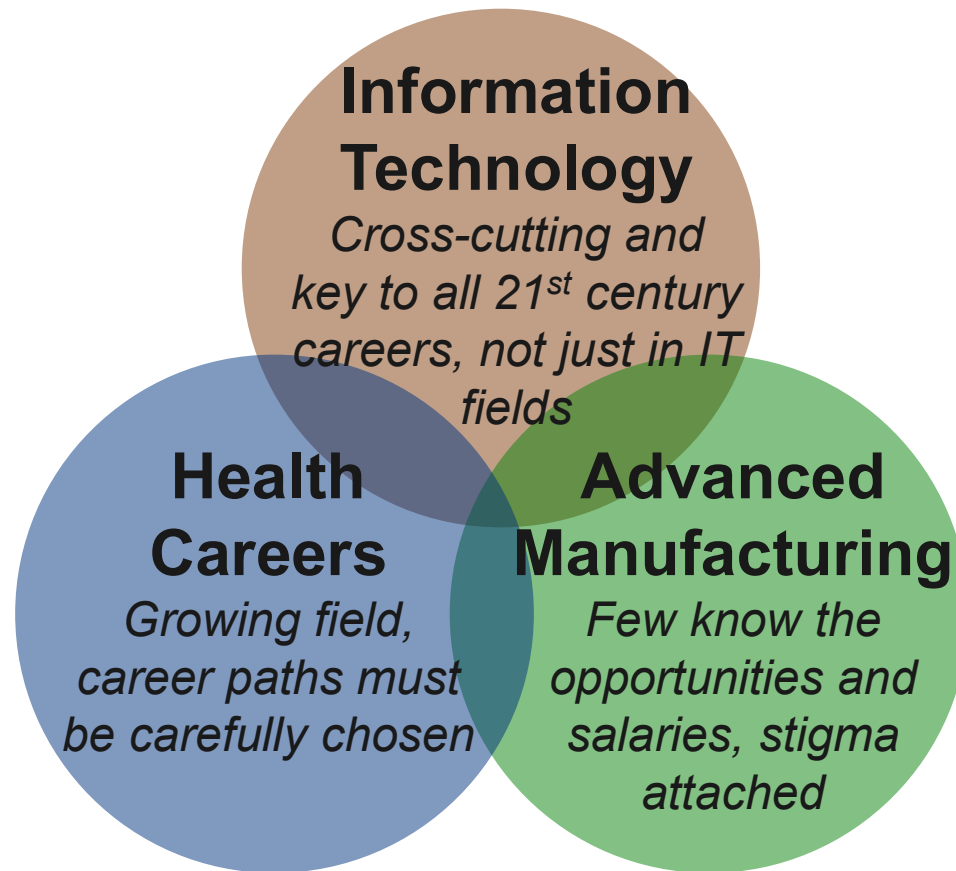
There will be 55 million job openings in the US economy between now and 2020.

- 24 million from newly created jobs
- 31 million from openings due to retirements



Most Prevalent Career Focus Areas

Greatest Pipeline Development Need



Job Growth in the US Economy

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By 2020, the vast majority of the jobs in the US will require post-secondary education and training beyond high school.



The MISSOURI Economy

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Missouri's Department of Economic Development

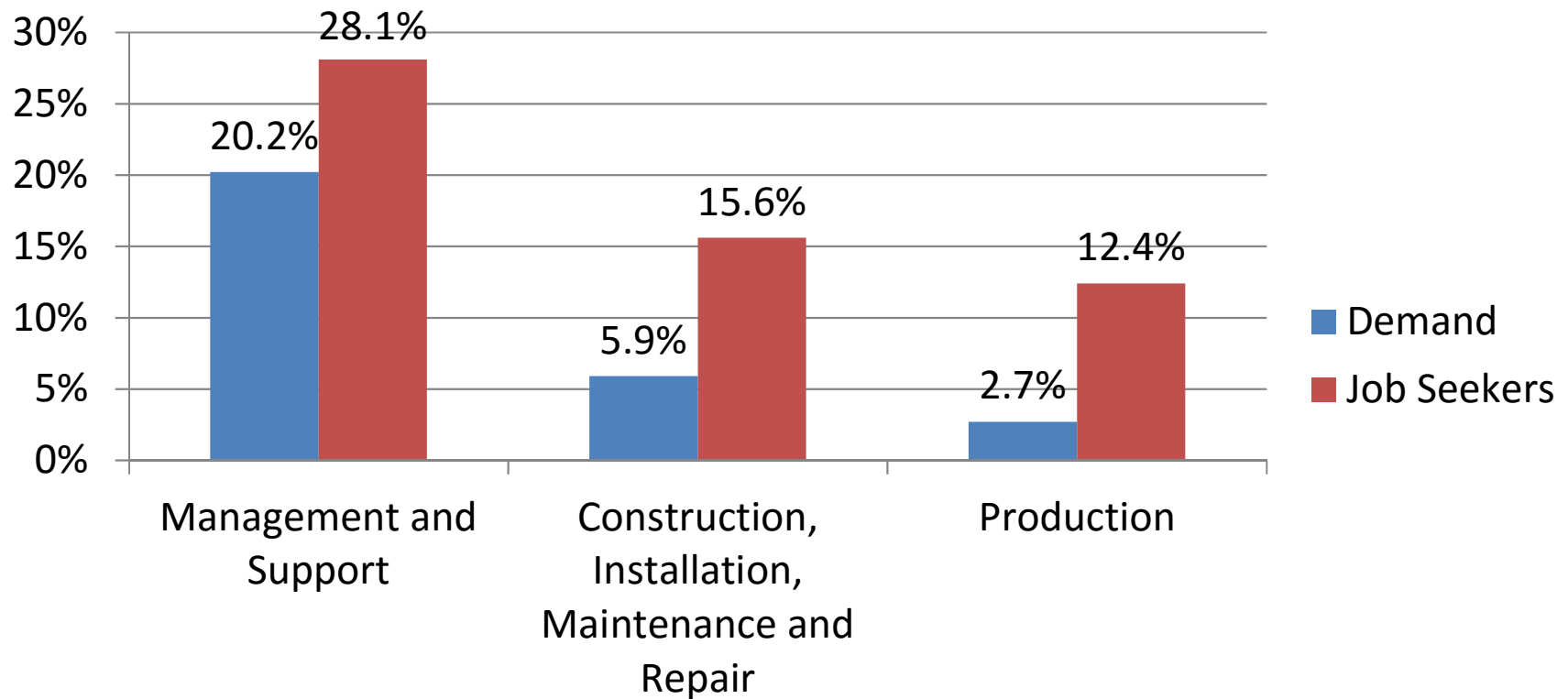
Real Time Economic Data

www.missourieconomy.org



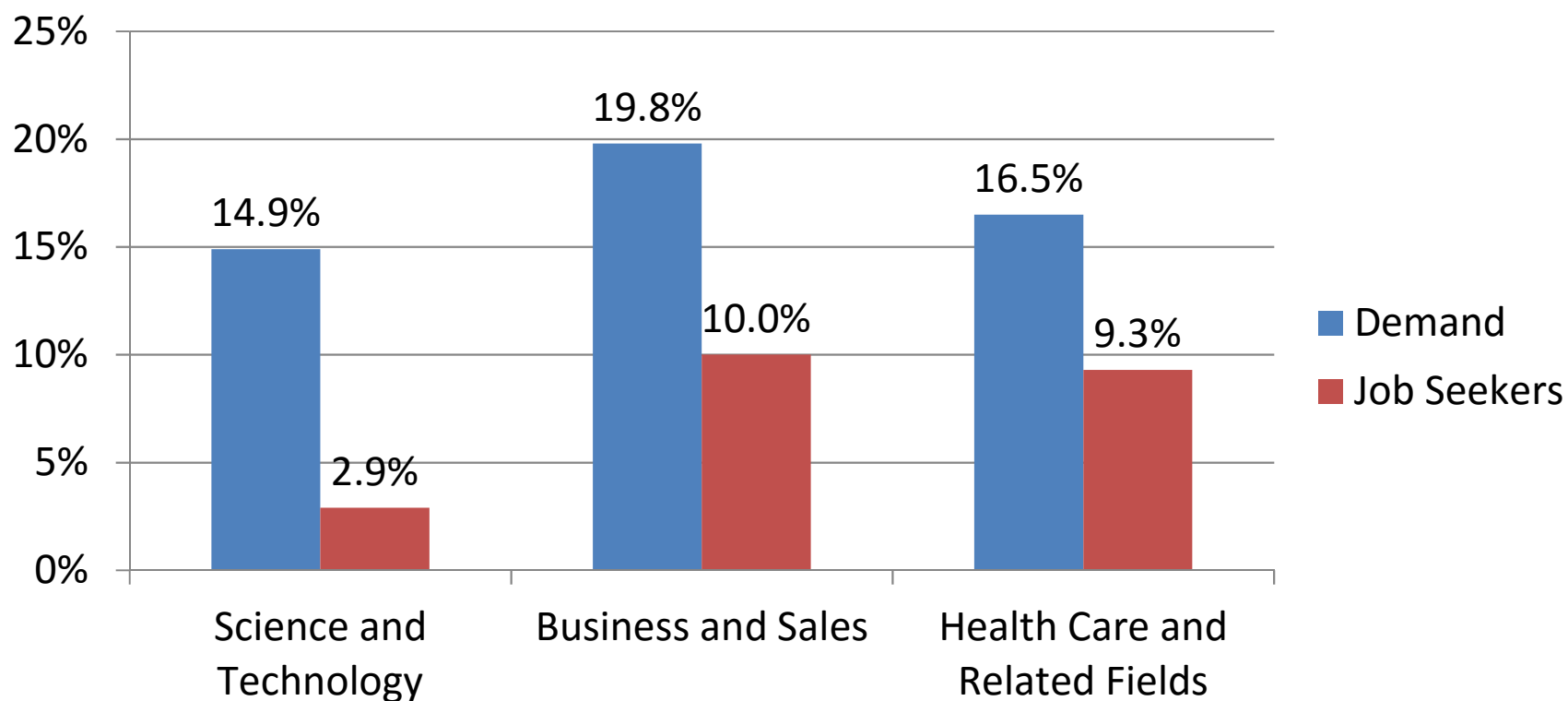
Employment Gaps in Missouri 2014

Online Job Advertisements and Number of Job Seekers



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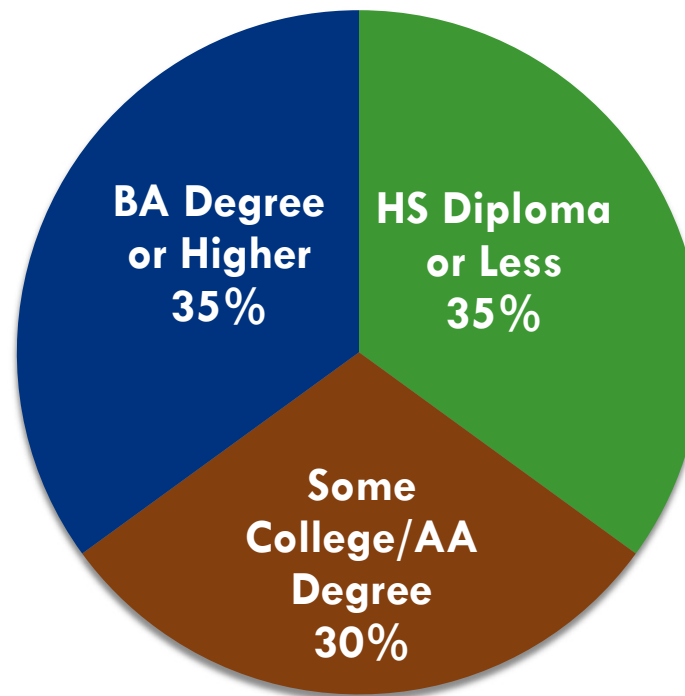


By 2020, College for All \neq BA for All

65% of All Jobs Nationwide Will Not Require a BA Degree

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Nationwide



Sources: Recovery 2020, Georgetown Center on Education and the Workforce, 2013; and Complete College America

Post-Secondary Credentials for ALL

“College for All”

to

“Post-secondary Credentials for All



FIELD OF STUDY / OCCUPATION MATTERS

- **43%** of young workers with Licenses and Certificates earn more than those with an Associate's degree
- **27%** of young workers with Licenses and Certificates earn more than those with a Bachelor's degree
- **31%** of young workers with an Associate's degree earn more than those with a Bachelor's degree



Source: Georgetown University Center on Education and the Workforce

Meaningful Credential

A meaningful credential can be earned in many ways:

Community College

Four –year College

High School Programs

Apprenticeships

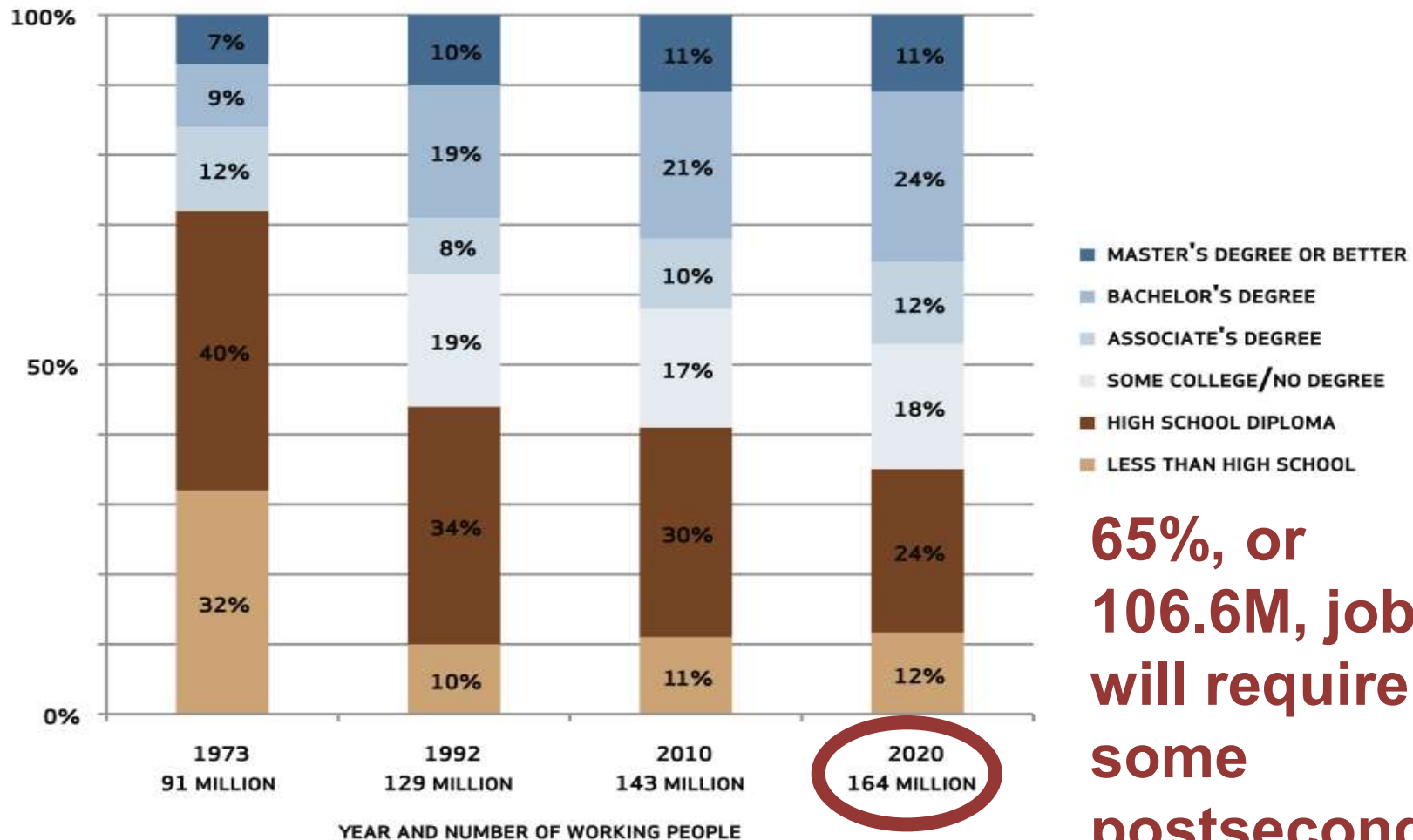
Military/Community Service

On-the Job Training

Credentialing Course



2020 JOBS: POSTSECONDARY DEMAND



**65%, or
106.6M, jobs
will require
some
postsecondary**

Source: Georgetown University Center on Education and the Workforce, *RECOVERY* (2013)

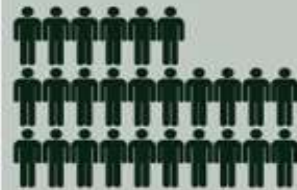
STEM OPPORTUNITIES AROUND



Previous STEM studies have neglected the many blue collar and technical jobs that require considerable STEM knowledge. But this study finds that

50%

of STEM jobs **do not require** a bachelor's degree. As a result, STEM knowledge plays a much larger role in our economy than previously thought:



There are
26 MILLION
STEM jobs in the U.S.



STEM jobs comprise
20%
of all U.S. jobs.



The share of jobs requiring
STEM knowledge has
doubled
since the Industrial
Revolution

Source: The Hidden STEM Economy, Brookings, 2013.

What Employers Want

- ❑ Critical thinkers / Creative Problem Solvers
- ❑ Effective Communicators
- ❑ Strong Work Ethic
- ❑ Technical Competency / Digital Ability
- ❑ Data / Information Driven
- ❑ Collaborative
- ❑ Able to Work in Multi-Generational Settings
- ❑ Attendance and Punctuality



Resources

Statewide Resources

Missouri Pathways to Prosperity Network: <http://dese.mo.gov/college-career-readiness/career-education/pathways-prosperity>

Missouri Connections: <http://missouriconnections.org> login as guest with county and zip code

- Complete an interest inventory
- Research and explore career options
- Find training programs and educational institutions
- Develop personal plan of study



Resources

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Statewide Resources continued

Missouri Department of Economic Development: www.missourieconomy.org

- Occupational Studies Tab
- Identify high demand occupations, salary ranges, qualifications

United State Department of Labor: <https://www.doleta.gov/>

- Additional high demand occupations, salary ranges, qualifications



What can parents do?

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Beginning at an early age and continuing through high school, talk about:

- Your child's strengths
- What do you like doing the most
- Emphasize looking a person in the eye when you are talking to them
- How to shake hands and what a firm handshake feels like
- Career pathways when the conversation naturally leads you there
- Occupations: parents, parent's friends, relatives
- Go to zoos, nature centers, museums, historical sites - and reflecting on what they observed. This activity can be generalized to a variety of situations even those that occur daily



What can parents do continued

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- Connect the math, communication arts, science and technology skills your child is learning to the “real world”
 - The game app on their electronic device
 - Calculate the math needed for a construction site, such as carpeting, measurements for placing counter tops with room for the appliances, etc.
 - Write an email to a parent or a relative that is workplace worthy. Use complete sentences and appropriate punctuation that does not contain text message abbreviations, symbols, etc.





PTA PARENTS

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Thank you for all you do
for Missouri
Schools and Students!