

School Takes a Lot



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Professional Development in a "Real-World" Context

How do we know curricula, instruction and professional development are aligned to promote career readiness for our students?

Models of Prof. Development

Models of Prof. Development

Individual Guided Development

Observation and Assessment

Involvement in a School Improvement Process

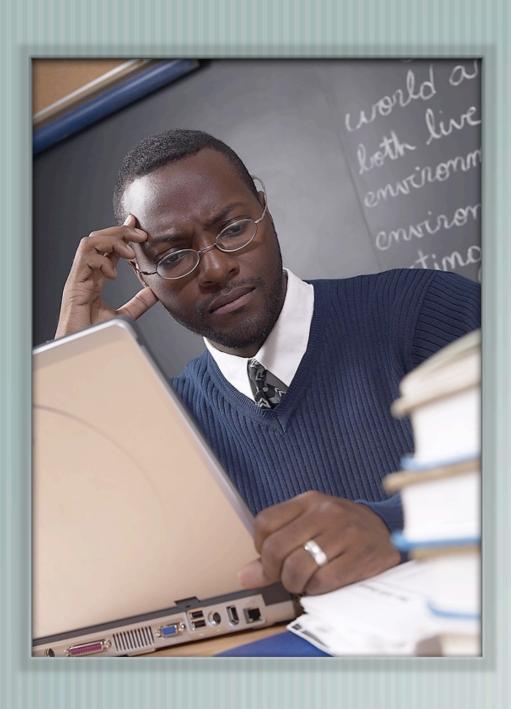
Training

Inquiry

NCREL

Who is involved?

Who is involved?



What?



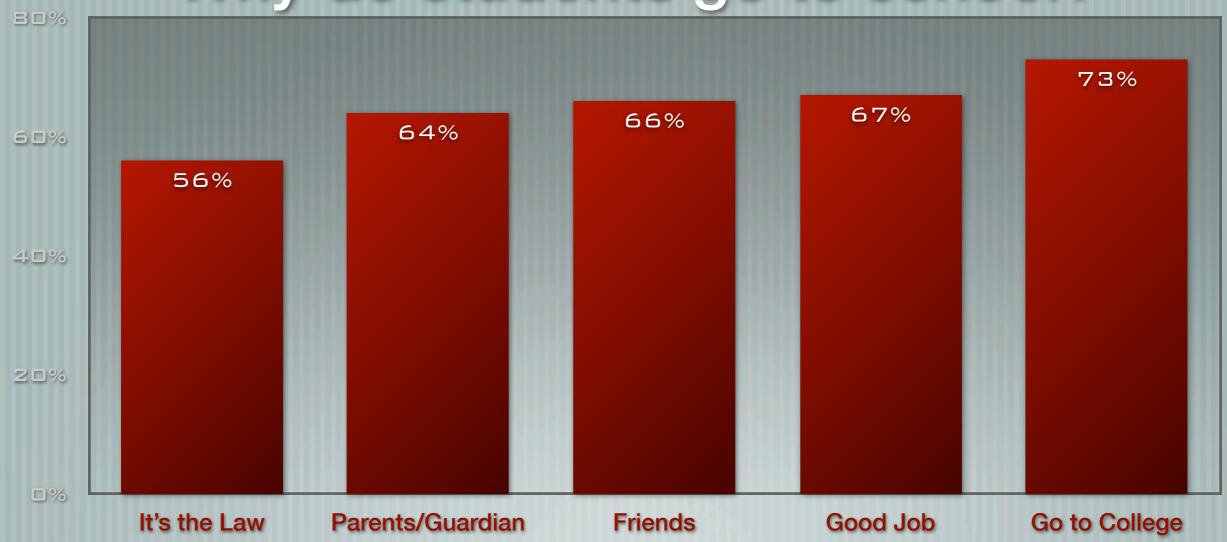
Where?



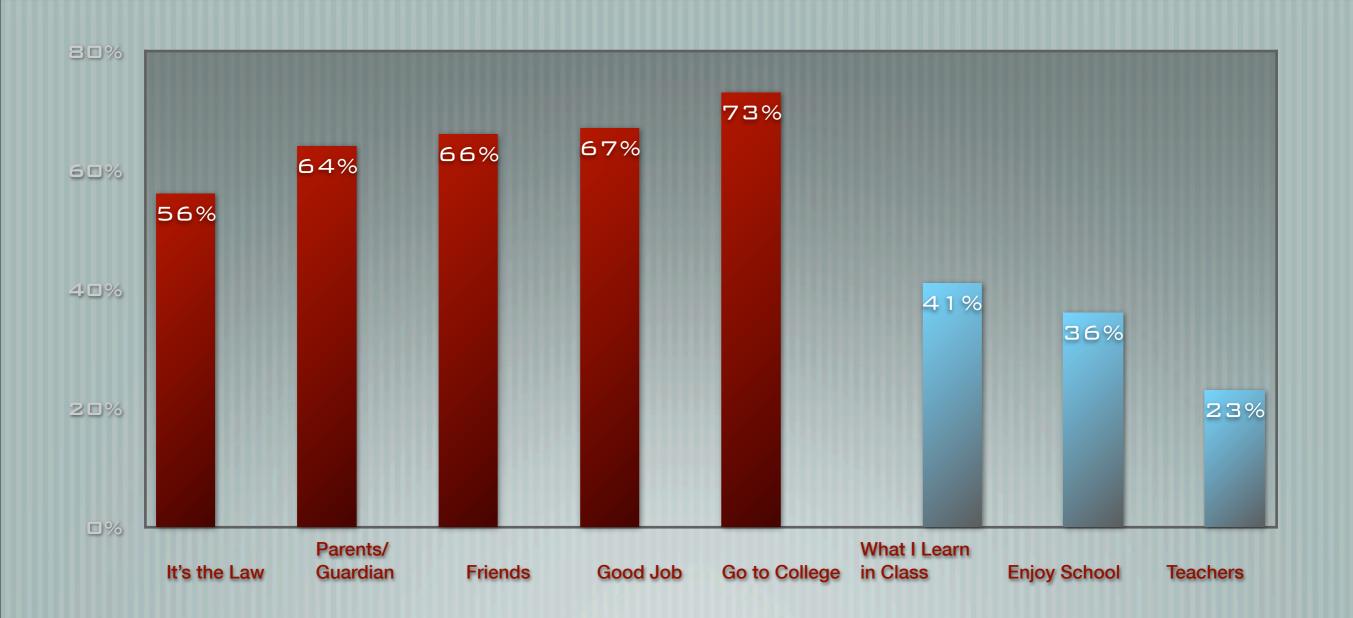
Does it even matter?

Does it even matter?

Why do students go to school?



Why do students go to school?

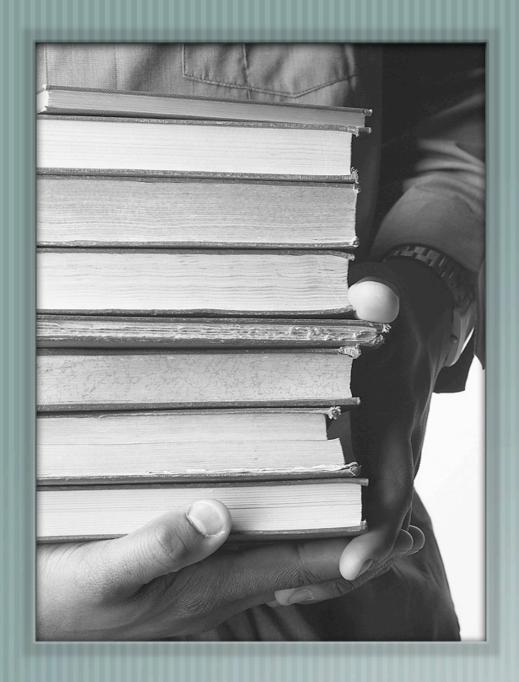


High School Study of Student Engagement 2009

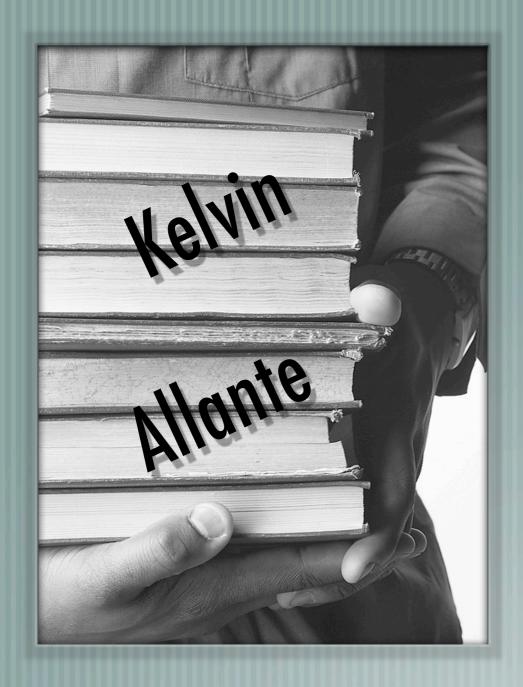
Why do I have to know this?

Why do I have to know this?



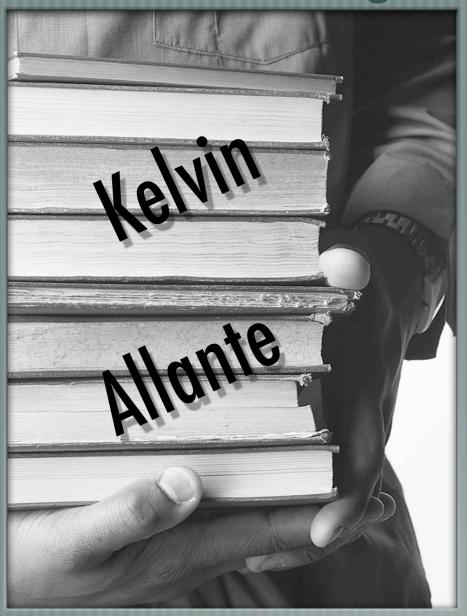








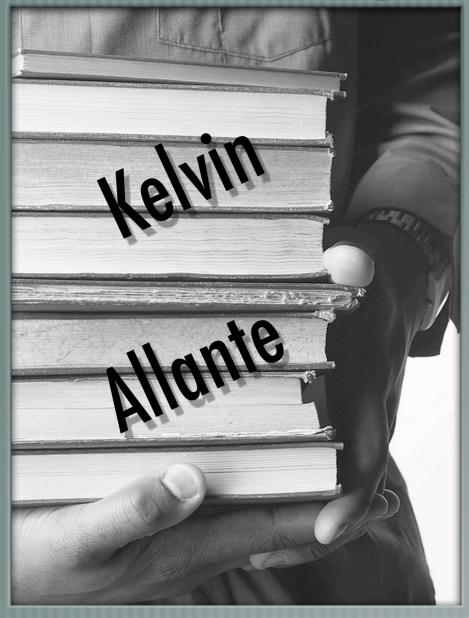
Meaningful



Connected



Meaningful

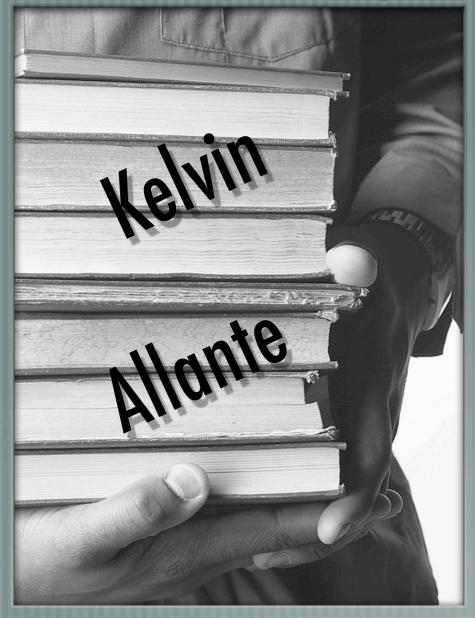


Voice

Connected



Meaningful



Voice

Connected



Resources

CHANGE



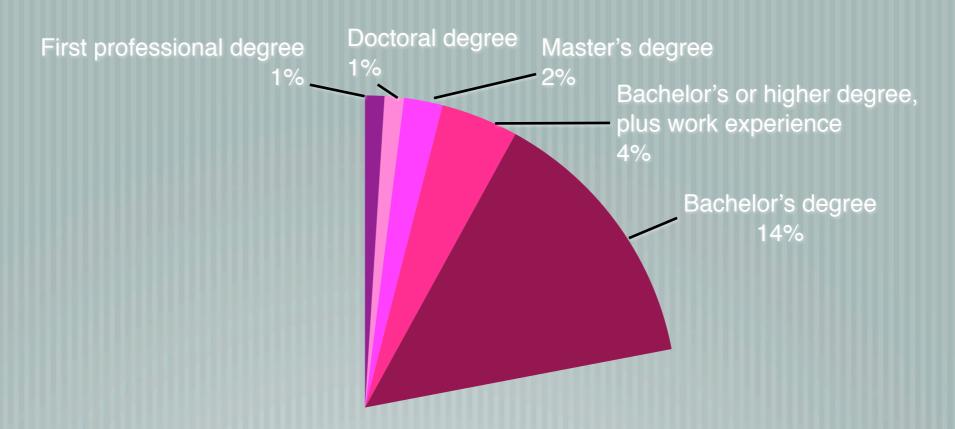
JOB SKILL CHANGES



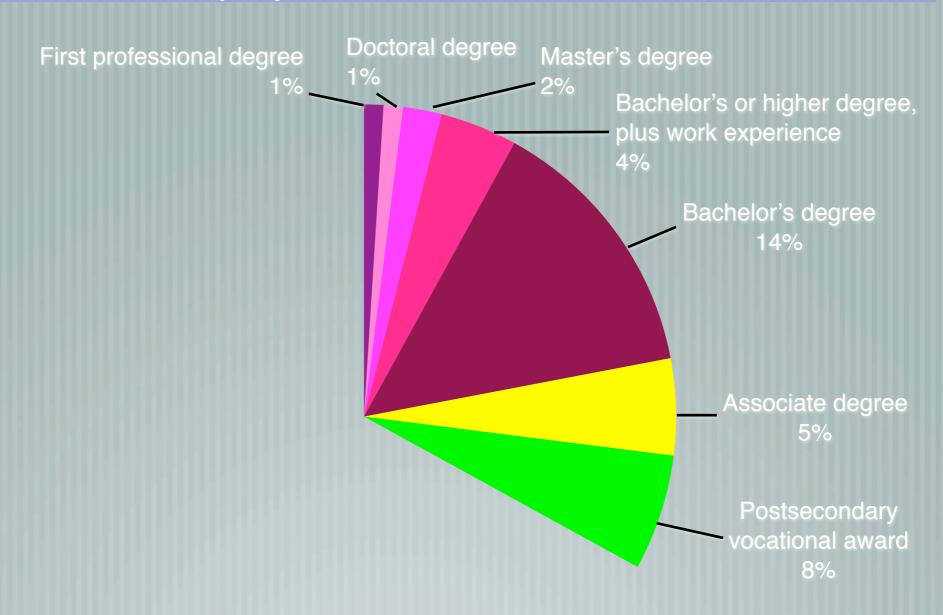
Skilled-Technical: Education beyond high school or on-the-job training

Professional: Bachelors Degree or above SOURCE:
U.S. DEPT. OF LABOR

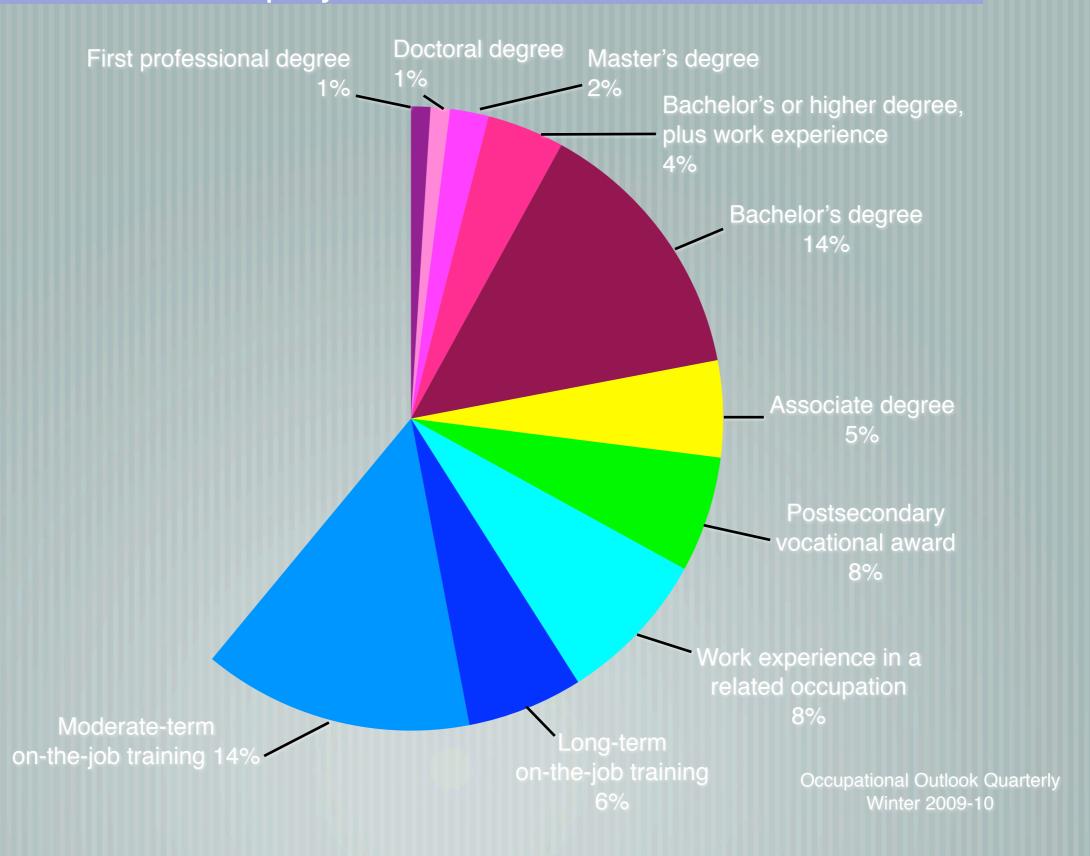
Occupational Outlook Quarterly
Winter 2009-10

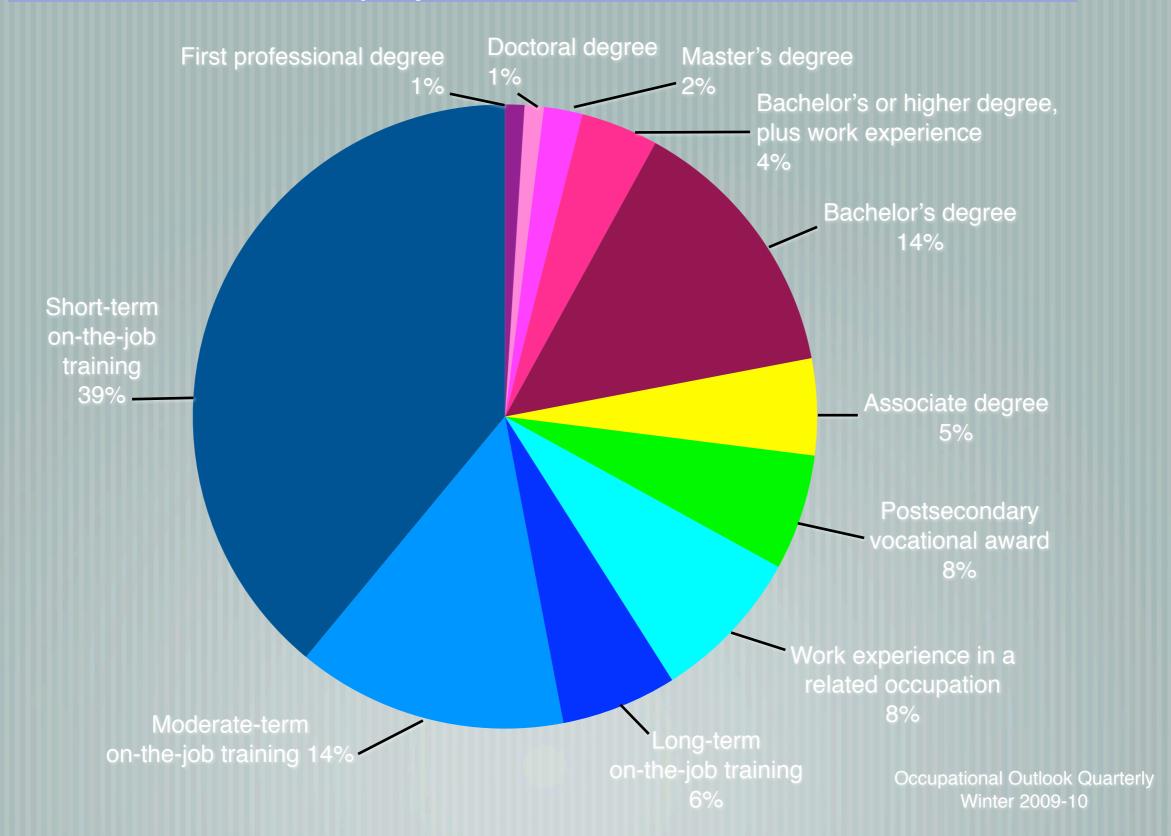


Occupational Outlook Quarterly
Winter 2009-10



Occupational Outlook Quarterly
Winter 2009-10





Applied Mathematics

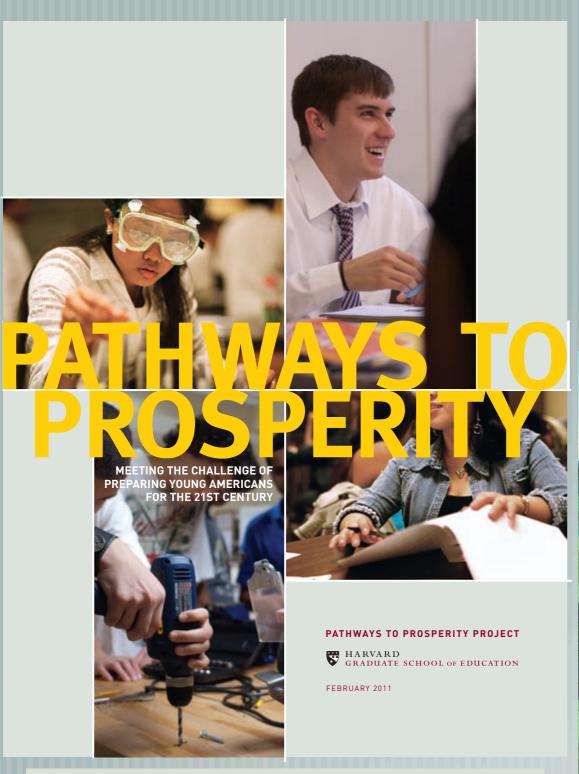


WorkKeys Assessment ACT



Job Skills-Applied Math

Education Administrator K-12	5
Education Administrator	4
Post-secondary	Т.
Electrical Engineer	5
Plumber	4
Accountant	6
Graphic Designer	5
Computer Programmer	5
Cook, Restaurant	4
Machinest	4
Fast Food Server	3
Network Systems Analyst	6

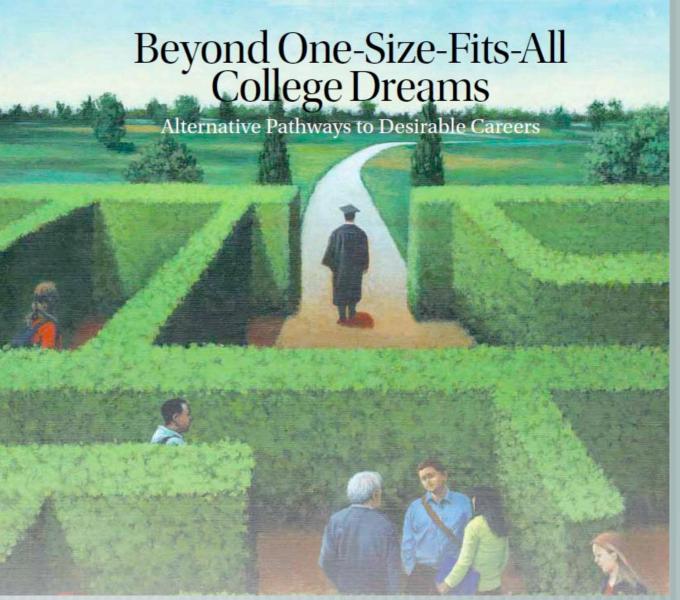


"27 percent of people with post-secondary licenses or certificates—credentials short of an associate's degree—earn more than the average bachelor's degree recipient."

Pathways to Prosperity Harvard Graduate School of Education

"We all know that many people with jobs that require a BA (e.g., teachers, social workers, etc.) are paid less than some people with jobs that require an AA (e.g., computer specialist, engineering technicians, mechanics, heating/air conditioning repairers, dental and medical assistants, insurance appraisers, and funeral directors). Moreover, there are indications that the BA payoff has declined in recent years."

James E. Rosenbaum Northwestern University









Government & Public Administration

Governance **National Security** Foreign Service Planning Revenue & Taxation Regulation & Administration

Business Management & Administration General Management

Business Information Management **Human Resources** Management **Operations Management** Administrative Support

Law, Public Safety, Corrections & Security

Correction Services Emergency & Fire Management Services Security & Protective Services Law Enforcement Services Legal Services

Transportation, Distribution & Logistics

Manufacturing

Production Manufacturing Production Process Development Maintenance, Installation & Repair Quality Assurance Logistics & Inventory Control Health, Safety & Environmental Assurance

Architecture & Construction

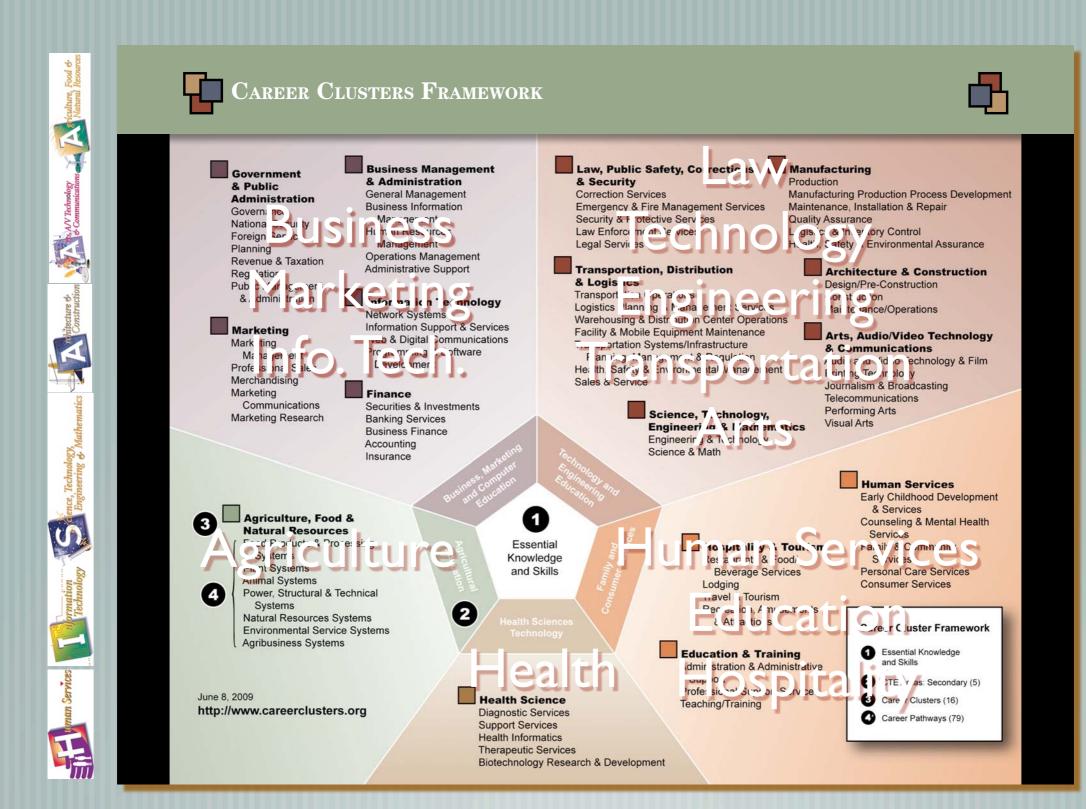


insportation, public Safety, Distribution of Administration of Logistics of Security

Public Management Design/Pre-Construction **Transportation Operations** Construction Information Technology Logistics Planning & Management Services Maintenance/Operations **Network Systems** Warehousing & Distribution Center Operations Information Support & Services Marketing Facility & Mobile Equipment Maintenance Arts, Audio/Video Technology Web & Digital Communications Marketing Transportation Systems/Infrastructure & Communications Programming & Software Management Planning, Management & Regulation Audio and Video Technology & Film Development **Professional Sales** Health, Safety & Environmental Management Printing Technology Merchandising Sales & Service Journalism & Broadcasting Marketing Finance Telecommunications Communications Securities & Investments Performing Arts Science, Technology, Marketing Research **Banking Services** Visual Arts **Engineering & Mathematics Business Finance Engineering & Technology** Accounting Science & Math Insurance Human Services Early Childhood Development & Services Ø **Agriculture, Food &** Counseling & Mental Health **Natural Resources** Services Food Products & Processing Essential Hospitality & Tourism Family & Community Systems Knowledge Restaurants & Food/ Services Plant Systems and Skills Beverage Services Personal Care Services **Animal Systems** Lodging **Consumer Services** Power, Structural & Technical Travel & Tourism Systems 2 Recreation, Amusements Natural Resources Systems & Attractions Career Cluster Framework **Environmental Service Systems** Agribusiness Systems 1 Essential Knowledge **Education & Training** and Skills Administration & Administrative Support 2 CTE Areas: Secondary (5) Professional Support Services June 8, 2009 **Health Science** 3 Career Clusters (16) Teaching/Training http://www.careerclusters.org Diagnostic Services Career Pathways (79) Support Services Health Informatics

Therapeutic Services

Biotechnology Research & Development



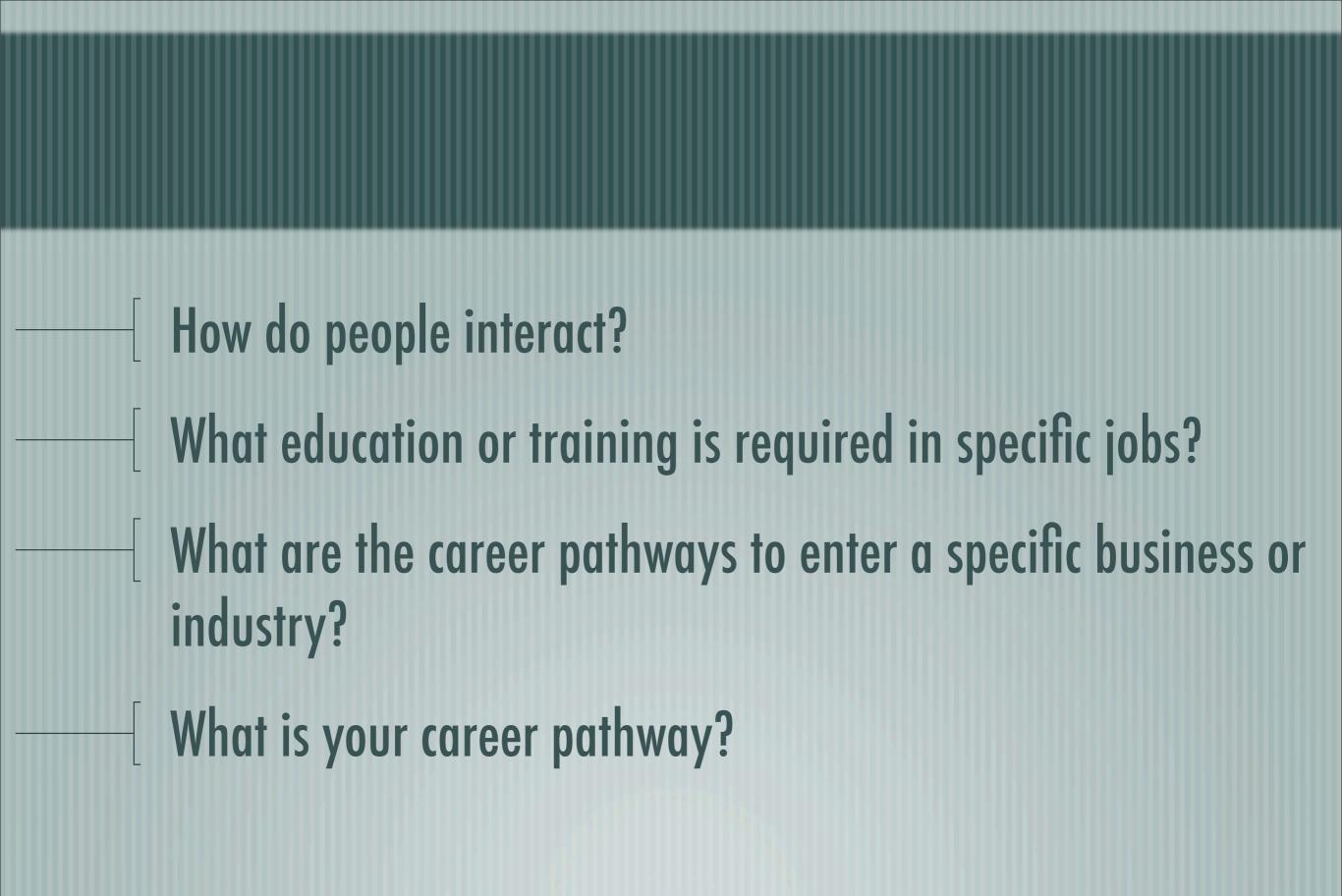
Distribution

La mufacturing 9 Public Safety, Liness Management Corrections

La Administration

Essential Questions

What does the workplace look like? What skills are necessary for success in the business? What specific math or reading skills are required? What are the "real-world" technologies that are used? How are they used? What employability skills are critical?



Business, Marketing, Govt.



Specialization



Skill Transfer



Cross Disciplinary



Transportation - Nestle



Entertainment

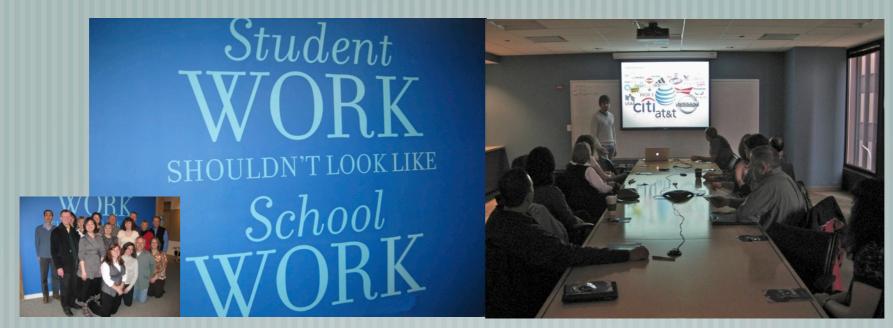




Architecture



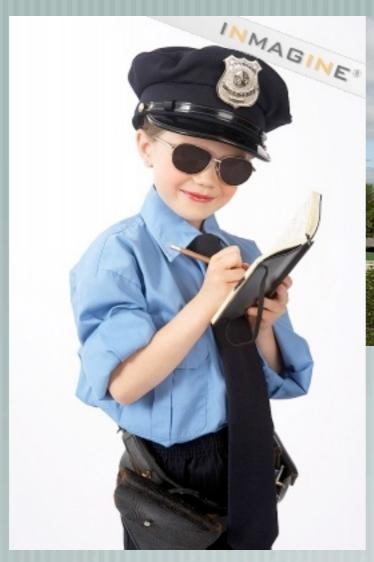
Graphic Communication



Chicago Portfolio School

Critical Mass

Public Service





Criminal Justice
Sociology Psychology
Communication Skills
Foreign Language

Manufacturing



Making it happen...

Establish the framework

Align with the curriculum (integrated curriculum)

Network and research

Plan ahead - logistics

Debrief

Apply to program development and instructional practice



Virtual Field-Trip



Why?

Connecting...
Head, Heart, and Hands



College Readiness

Career Readiness

Employability Skills

REFLECTING

A G G





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OWNING YOUR PASSION

Models of Prof. Development

Individual Guided Development: identifying areas of interest the teacher sees as important to address personally

Observation and Assessment: including career readiness elements in lesson planning

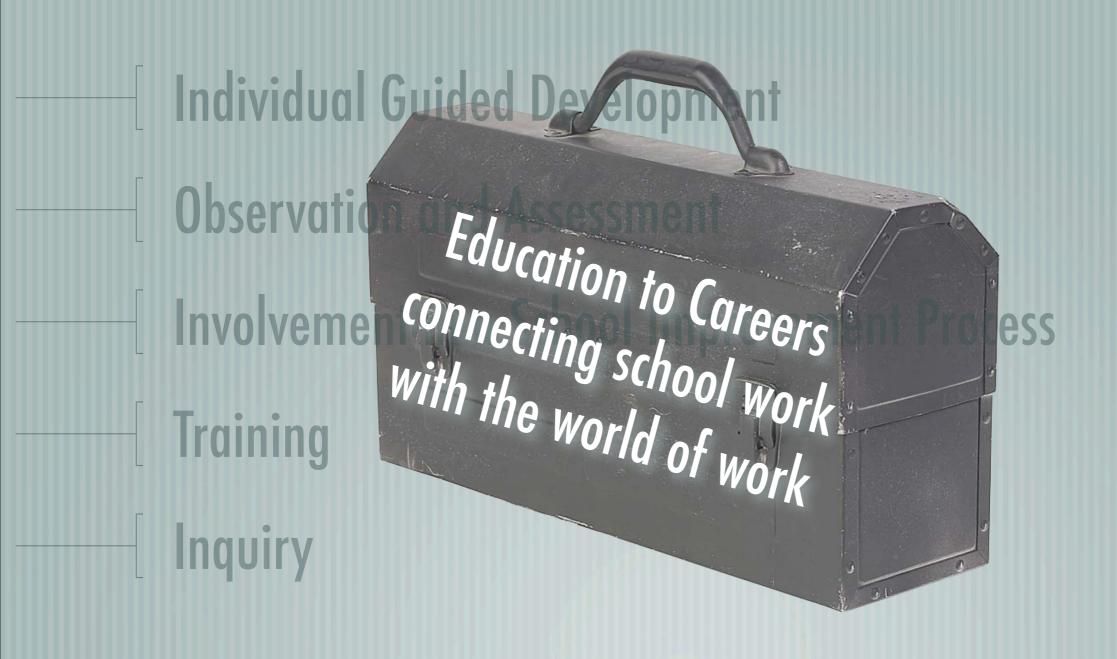
Involvement in a School Improvement Process:

gap analysis across the curriculum to identify appropriate ways to incorporate career readiness

Training: technical skill development

Inquiry: developing an organizational culture that continually asks questions about relevance

Models of Prof. Development



Career Pathways

For each individual there is a moment of discovery - finding a pathway to discover our passion and an understanding of who we are.

Explore the possibilities

How might the concept of a career readiness context fit with existing professional development initiatives?

What concepts or elements would be new ideas in relation to current initiatives and procedures?

Using a universal framework for prof. development, how might the idea of incorporating career readiness align with your institution?

- Individual Guided Development
- Observation and Assessment
- Involvement in a School Improvement Process
- Training
- Inquiry