

CAREER PATHWAYS







Conversations
ON

Career Pathways
with students, parents, and staff

WHY ARE CAREER PATHWAYS AND
PROGRAMS OF STUDY IMPORTANT?

HOW CAN WE IMPLEMENT
PROGRAMS OF STUDY?

WWW.VALEES.ORG



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“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

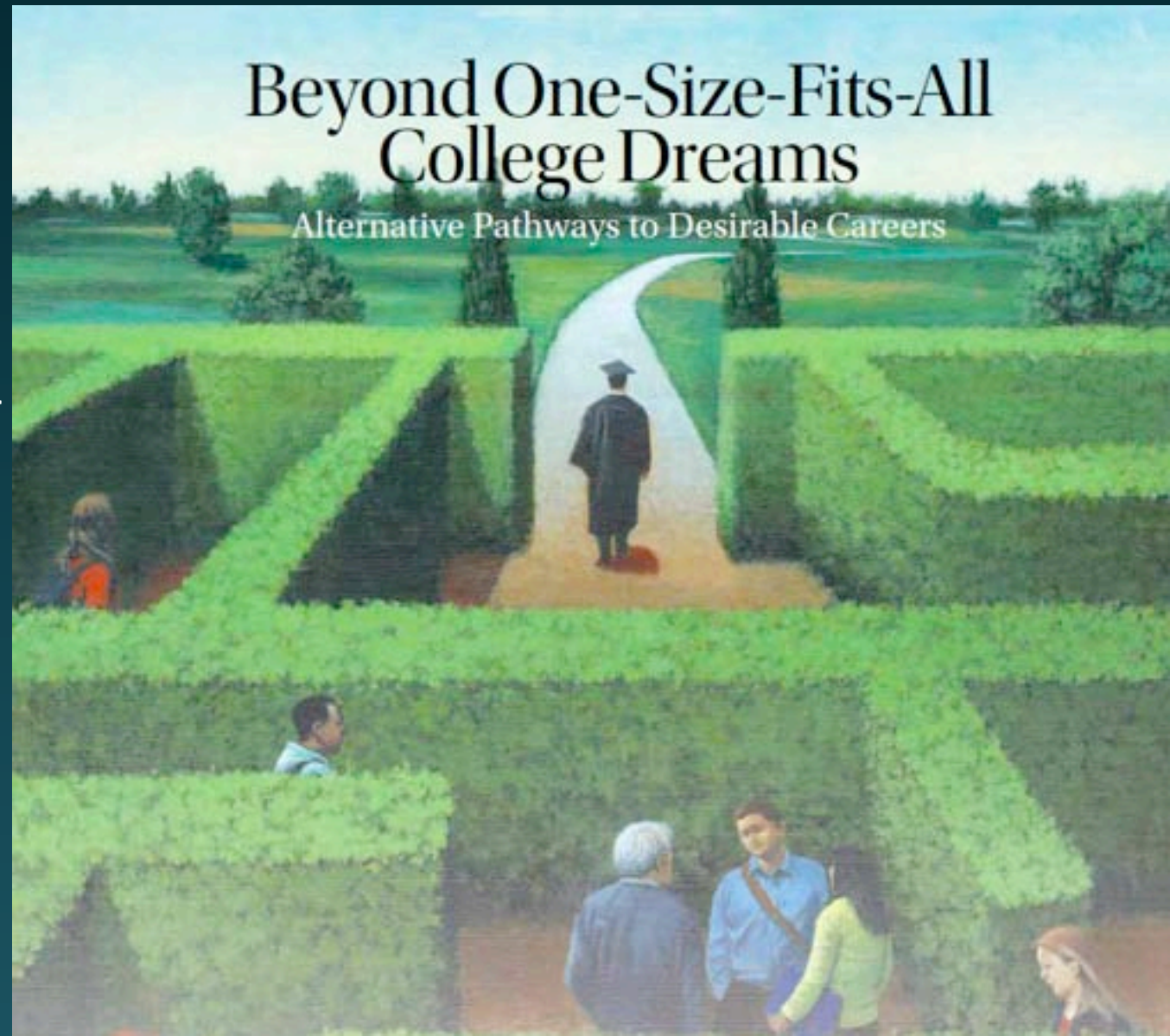
PATHWAYS TO PROSPERITY

MEETING THE CHALLENGE OF
PREPARING YOUNG AMERICANS
FOR THE 21ST CENTURY

PATHWAYS TO PROSPERITY PROJECT
HARVARD
GRADUATE SCHOOL OF EDUCATION
FEBRUARY 2011

“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



Moving from disconnected...



and confused about Career Pathways

Connecting...

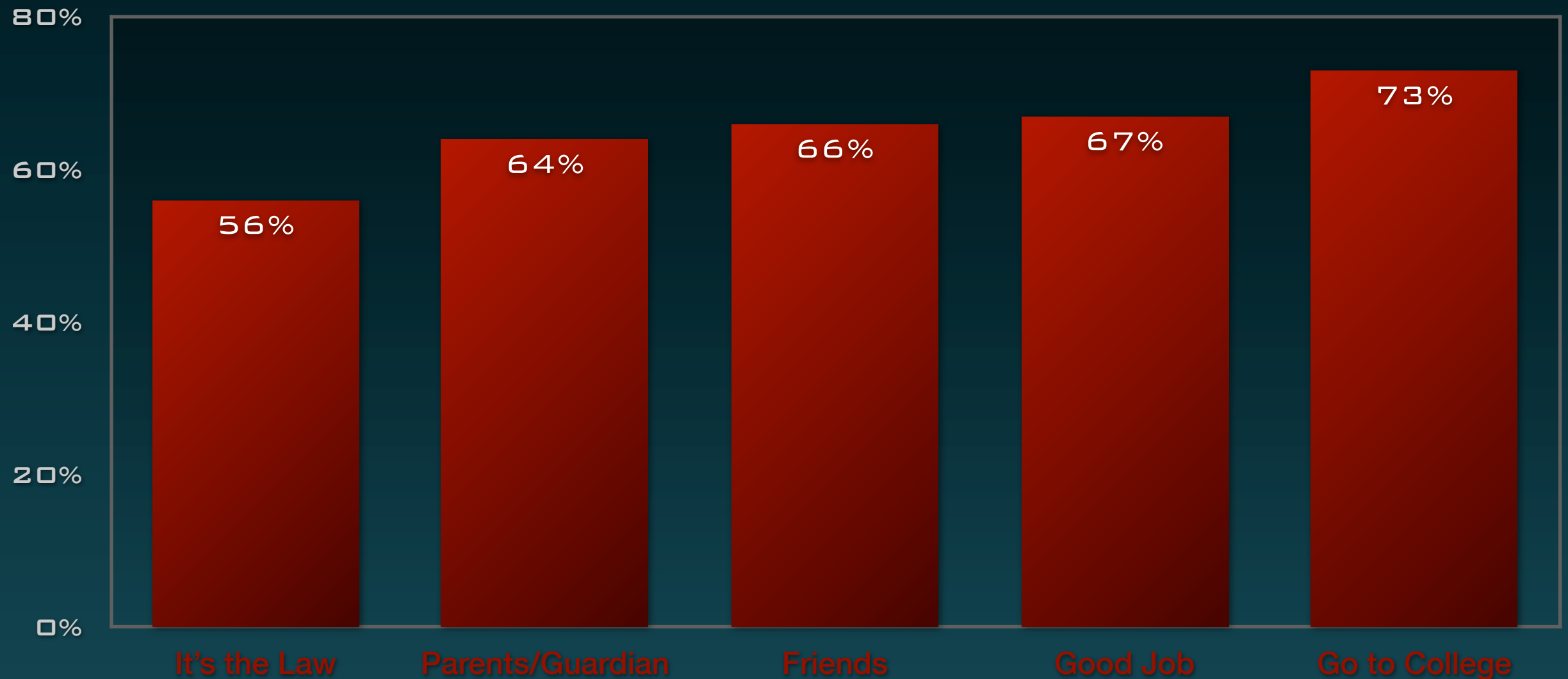


Head, Heart, and Hands

- ≡ Career Interests
- ≡ Aptitudes and abilities
- ≡ Programs of Study
Course Sequences
- ≡ Career Opportunities
Work-Based Learning
- ≡ Pursuit of Passion

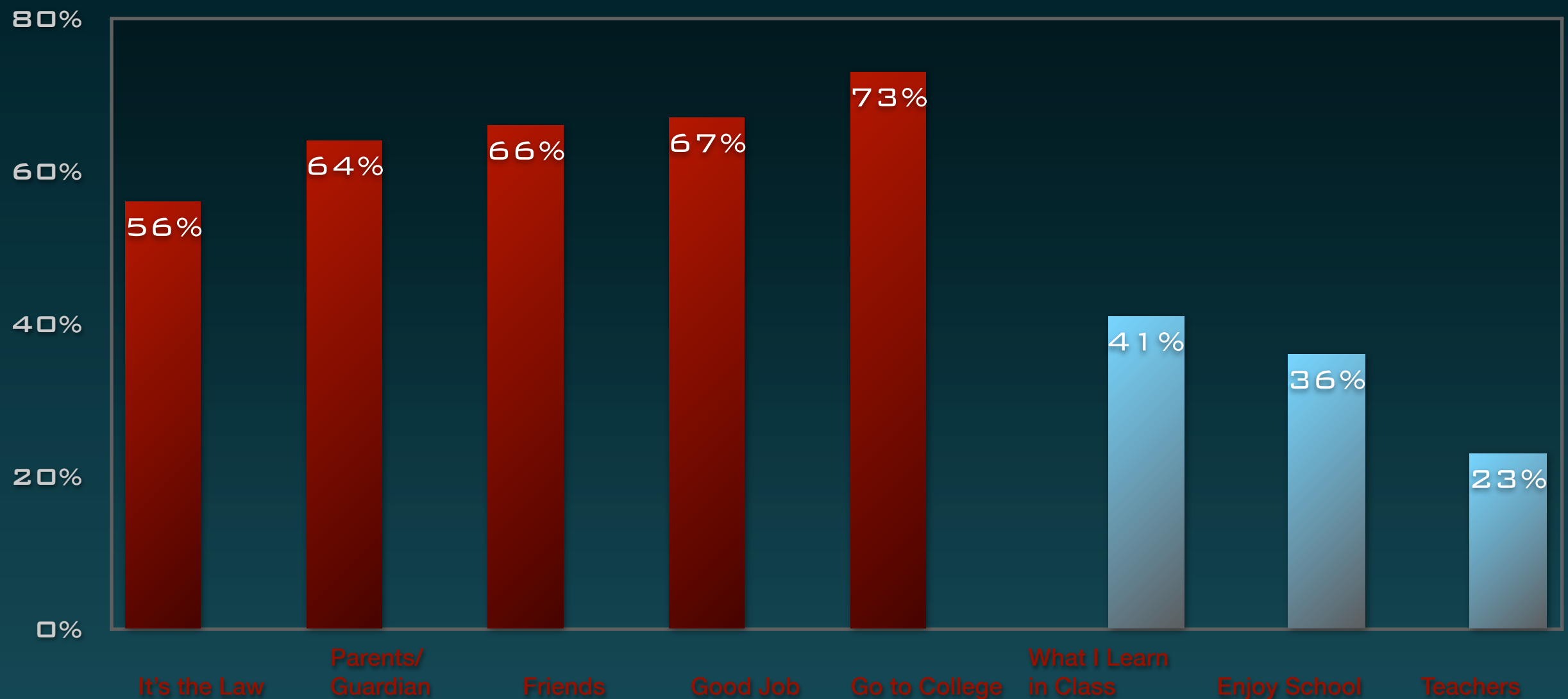
Preparing for multiple Career Pathways

Why do students go to school?



High School Study of Student Engagement 2009

Why do students go to school?



High School Study of Student Engagement 2009



Conversations ON

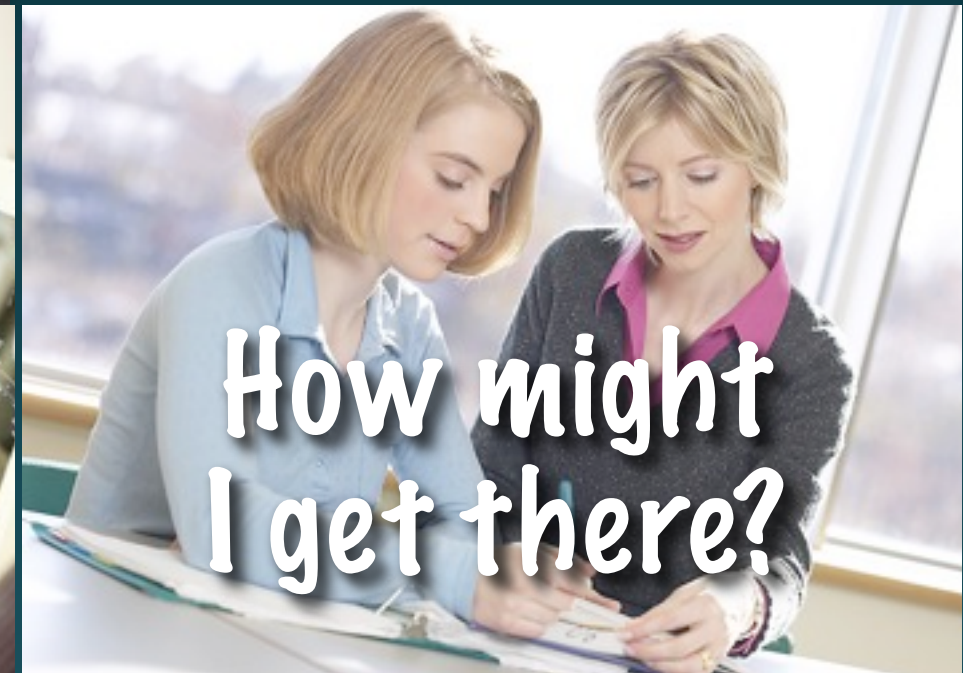
Career Pathways
with students, parents, and staff



Who am I?



Where do I
want to go?



How might
I get there?



CAREER PATHWAYS

CONNECTING

- ≡ Career Interests
- ≡ Aptitudes and Abilities
- ≡ Programs of Study
Course Sequences
- ≡ Career Opportunities
Work-Based Experiences
- ≡ Pursuit of Passion



PATHWAYS INITIATIVE PARTNERSHIPS

- ▶ Enrich and develop CTE programs that address 21st century career readiness
- ▶ Support collaboration among teachers across disciplines
- ▶ Expand conversations about Career Pathways and Programs of Study with CTE staff, counselors, and administrators
- ▶ Establish POS development team to create model POS and implementation strategies customized for each secondary school
- ▶ Develop regional POS in selected CTE areas
- ▶ Create online interactive portals to promote conversations around career pathways
- ▶ Share model plans and strategies with student services and CTE program committees



Conversations ON

Career Pathways with students, parents, and staff

CAREER CLUSTERS FRAMEWORK



June 8, 2009

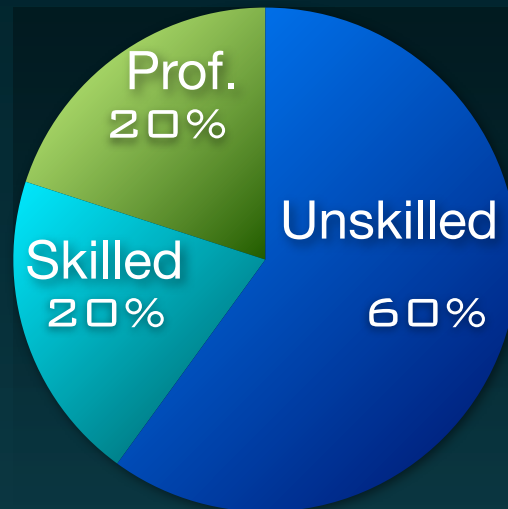
<http://www.careerclusters.org>

CHANGE

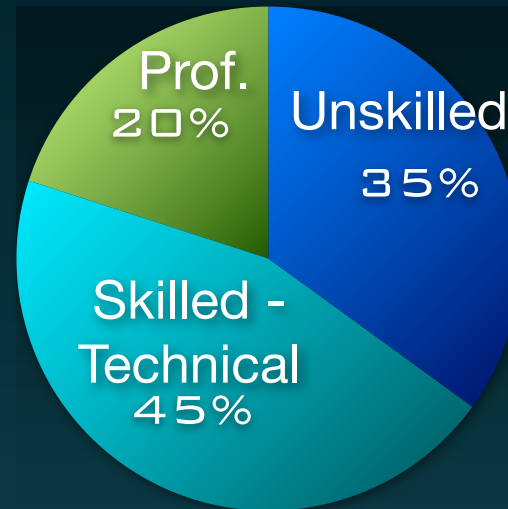


JOB SKILL CHANGES

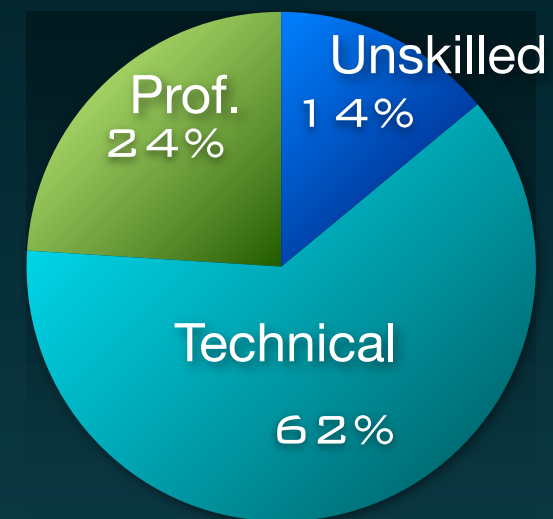
1950



1991



2005

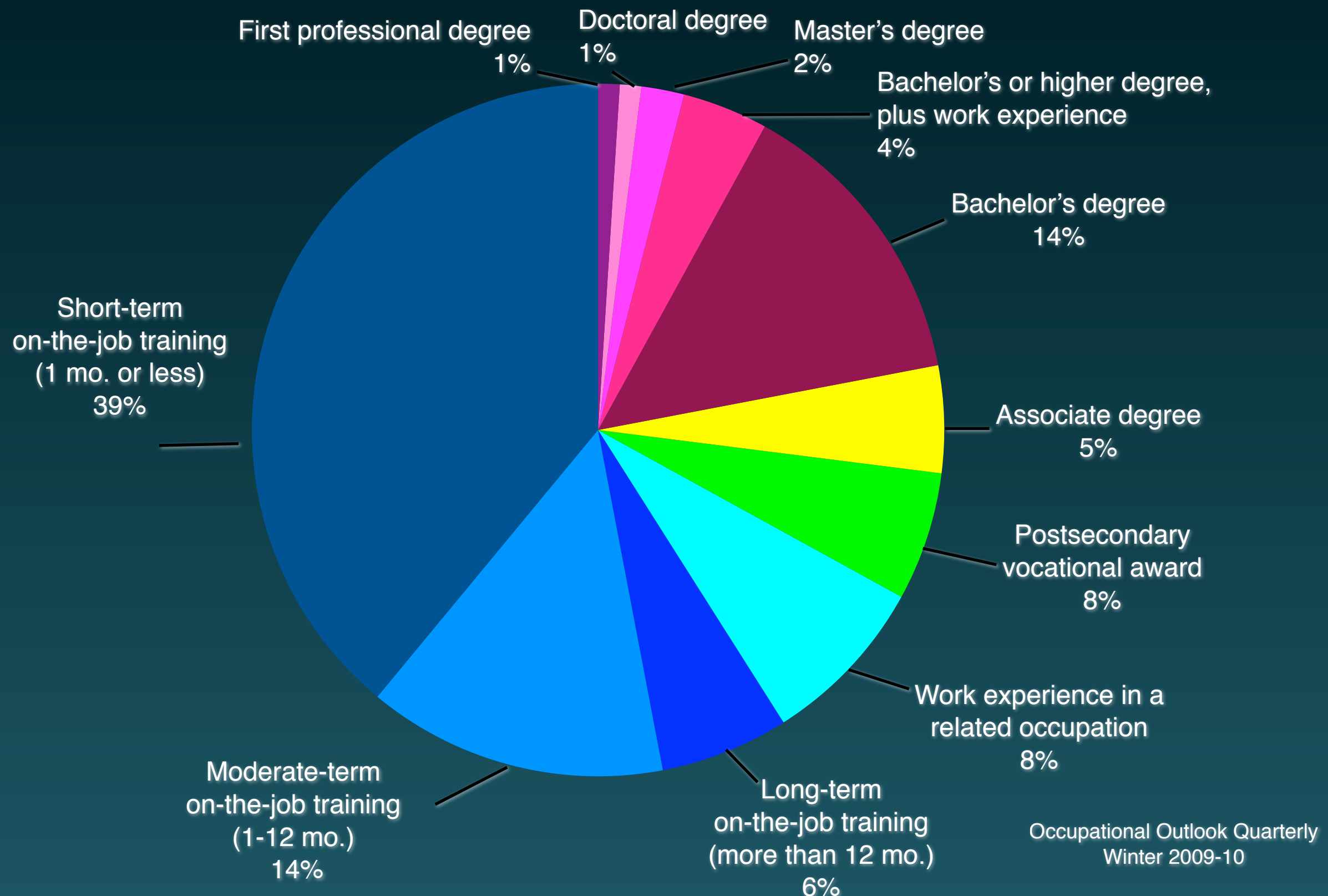


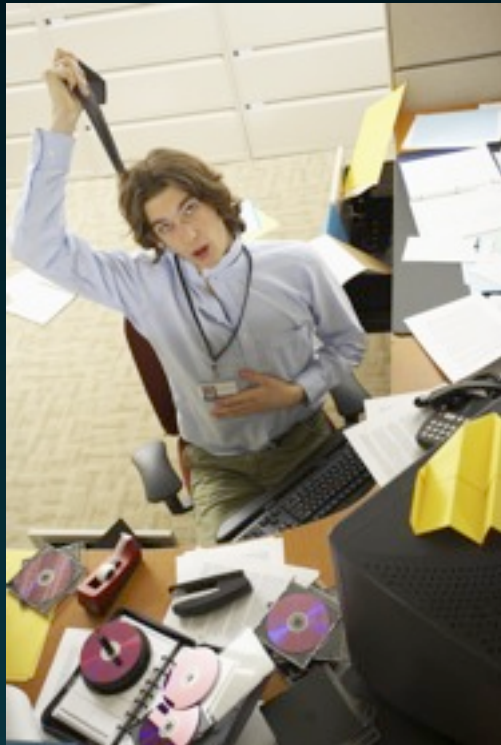
Skilled-Technical:
Education beyond high school
or on-the-job training

Professional:
Bachelors Degree or above

SOURCE:
U.S. DEPT. OF LABOR

Per-cent distribution of job openings due to job growth and replacement needs by education or training level projected 2008-2018

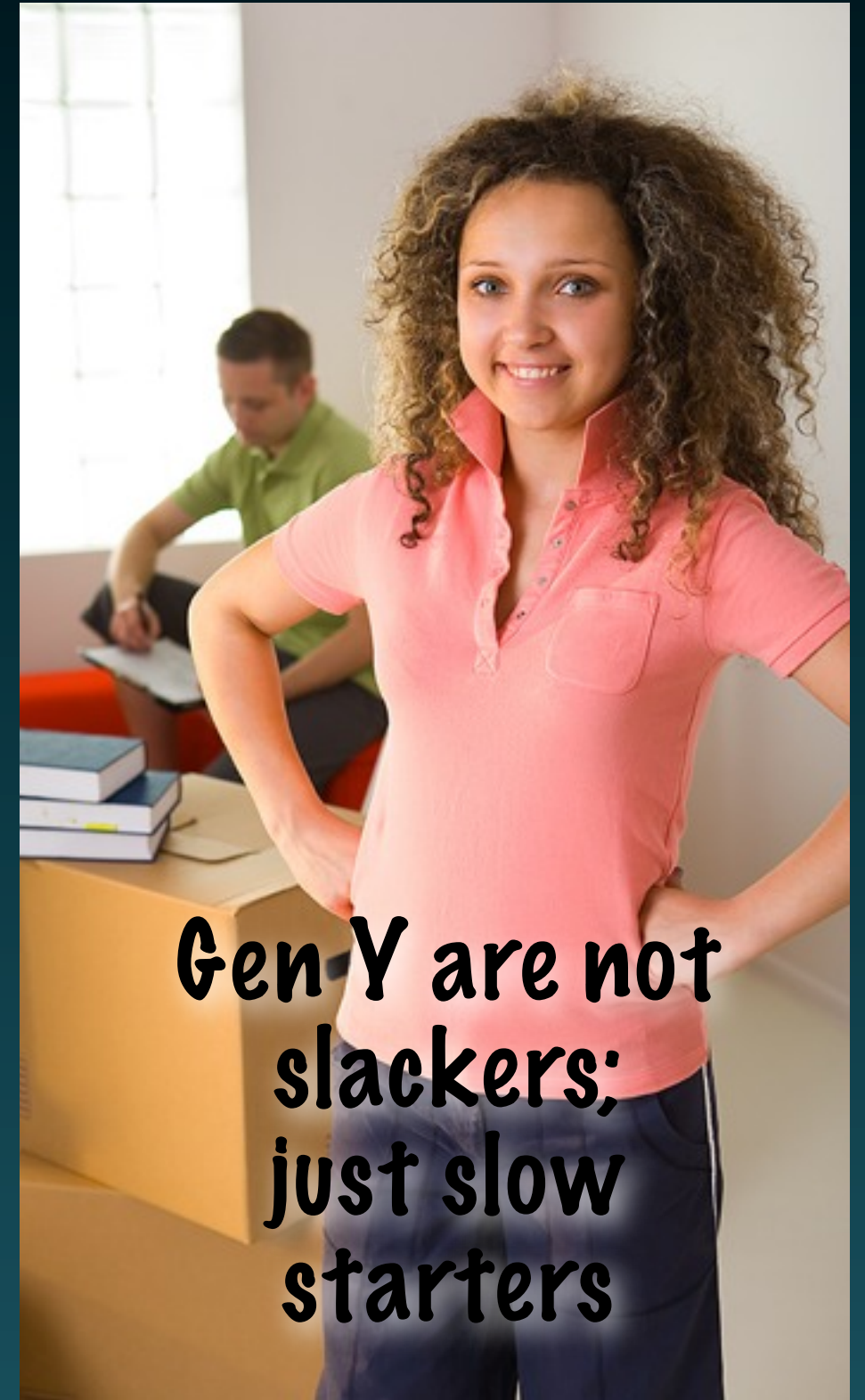




Boomerangers: Young Adults Moving Back Home

- about half of twenty-somethings are supported in some way by their parents
- 19% of parents aged 45-54 report their grown children have moved back home
- just 46% of young adults aged 16-24 are currently employed
- about half of all grown children living with their parents work either full or part-time
- about 25% are unemployed
- about 20% are full-time students

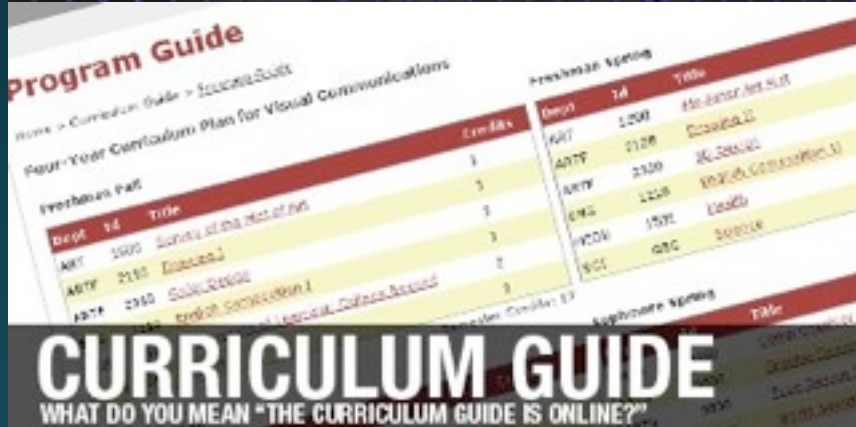
Pew Research Center



**Gen Y are not
slackers;
just slow
starters**

OPPORTUNITIES FOR CONVERSATIONS

► EVENTS / ACTIVITIES / STRATEGIES / TOOLS



CAREER DEVELOPMENT

PROGRAMS OF STUDY



CTE Teachers Secondary Schools



CTE Teachers Community College



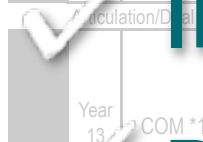
“Core Curriculum” Teachers



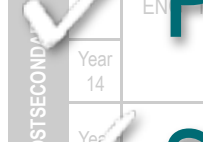
Administrators



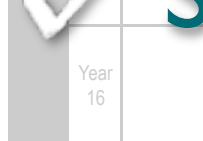
Counselors



Industry Professionals



Parents



Students

FIRE SCIENCE PROGRAM OF STUDY Newark Community High School

Law, Public Safety, Corrections and Security: Emergency and Fire Management Services
Career Pathway Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Pathway Plan of Study (based on the Emergency and Fire Management Services Pathway of the Law, Public Safety, Corrections and Security Career Cluster) can serve as a guide, along with other career planning materials, as learners choose on a career path. Courses are listed with the degree only recommended courses and not the degree. Each learner's educational attainment should be considered.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/ or Degree Major Courses for Emergency and Fire Management Services Pathway	SAMPLE Occupations Relating to This Pathway
SECONDARY	9	World Lit I	Essential Algebra or Algebra I, Geometry†	Biology or Physical Science	World History I or II, Geography, Modern Issues	Plans of study should meet state and local high school graduation requirements. * Consideration should be given to the student's career pathway when choosing elective coursework. Participation in local fire department programs may provide valuable field-based experiences. * Post-secondary education entrance requirements should also be considered.	Indian Valley Vocational Center Grade 11-12 Fire Science I * Fire Science II *	► Dispatcher ► Emergency Management and Response Coordinator ► Emergency Planning Manager ► EMT ► Fire Fighter ► Forest Fire Fighter ► Forest Fire Inspector and Investigator ► Hazardous Materials Responder ► Manager/Supervisor of Fire Fighters or Forest Fire Fighters ► Rescue Worker ► Training Officer
	10	World Lit II	Geometry or Geometry Non-Credit, Algebra II	Ag Science, Biology II, Advanced Biology, Chemistry	World History I or II, Geography, Modern Issues			
	11	American Lit III or Heroes & Villains/Bus English	Algebra II, College Algebra, Pre-Calc	Ag Science, Biology II, Advanced Biology, Chemistry	World History I or II, Geography, Modern Issues, Sociology, Psychology, US History/Govt			► State Fire Marshal Certification Opportunities ► Fire Fighter I and II ► Fire Apparatus Engineer ► Rescue Specialist - Roadway Extraction
	12	British Lit IV	Algebra II, College Algebra, Pre-Calc, Calc	Ag Science, Biology II, Advanced Biology, Chemistry, Physics	World History I or II, Geography, Modern Issues, Sociology, Psychology, US History/Govt			► Fire Office I and II ► Hazardous Materials First Responder
POSTSECONDARY	Year 13	COM *100 or 121 EN *101 or 151 EN *102 or 152	MTH *101		PSY *100	3 credits gen.ed.elective, 3 credits fire science elective, EMT 120	FSC100 Fire Science I* FSC 110 Fire Science II * FSC120 Hazardous Materials Operations * FSC 140 Fire Apparatus Engineer * FSC 150 Vehicle & Machinery Operation FSC 160 Tactics and Strategy I FSC 170 Fire Science Instructor I FSC 200 Fire Science III * FSC210 Fire Science IV * FSC 220 Fire Inspection & Prevention FSC 231 Fire Science Administration I FSC 232 Fire Science Administration II FSC 233 Fire Science Administration III FSC 234 Fire Science Administration IV FSC 260 Tactics and Strategy II FSC 270 Fire Science Instructor II (See WCC catalog for progression of Fire Science certificates.)	Some State Fire Marshal Certificates require experience with a fire department in addition to course work. It is strongly recommended that Fire Science majors either gain employment or volunteer with a fire department as early as possible.
	Year 14							
	Year 15							
	Year 16							

† With instructor permission.

Each high school student's four year plan should consider this Program of Study in relationship to selecting local course offerings in consultation with their guidance counselor.

* These courses are aligned with Waubesa Community College's curriculum and are eligible for articulated credit.

Course sequences aligned with Illinois graduation requirements and aligned with Illinois State Fire Marshal's curriculum.

CAREER COUNSELING STRATEGIES

<p>8th Grade</p> <ul style="list-style-type: none"> •Counselor introduces students to high school in classroom presentation •Parents & students attend spring orientation •4 year plans, career development, course offerings including CTE discussed •Unit taught by counselor on social/emotional health & careers taught during interest area time 	<p>11th Grade</p> <ul style="list-style-type: none"> •PSAT & ASVAB assessments used by counselor and student to interpret in relation to careers •One-on-one job shadowing based on career area of choice •Parent night for next year scheduling, consideration for attending career center, 4 year planning, post-secondary options, & emphasis on steps to take over the summer
<p>9th Grade</p> <ul style="list-style-type: none"> •Freshmen interviews around career planning and review of 4 year plan •EXPLORE test with interest inventory •Students job shadow as group for a full day •Freshman parent night for next year's scheduling, 4 year plan, & post-secondary options 	<p>12th Grade</p> <ul style="list-style-type: none"> •Senior interviews in September. Review of 4 year plan and post-secondary options •Parent night related to post-secondary options •WorkKeys Locating Information test administered as 3rd component of Career Readiness Certificate •Resumes in English IV & mock interviews •Job shadowing based on career interest
<p>10th Grade</p> <ul style="list-style-type: none"> •Career Cruising in Consumer Ed. class: interest inventory, resume builder, & mock interviews •PLAN test with interest inventory •Job shadowing as a group •Parent night for next year's scheduling, 4 year plan, & post-secondary options 	<p>Career Awareness & Career Planning</p>

Careers/CTE Plan

Freshman year

www.careercruising.com

- Career Development in the Application of Technology Classes
- Resume Builder Activities
- Mock Interviews

Sophomore year

- Speech classes, update Career Cruising profile
- Meeting with Counselors about career planning

Junior year

- Junior Career Fair
- Use Career Cruising University/ Higher Education School Selector
- Update Resume on Career Cruising
- Fox Valley Career Center Placement

Senior year

- Senior interviews
- Review Career Cruising Career Portfolio and University/ Higher Education List
- College/Career planning
- Update Resume on Career Cruising

PROGRAMS OF STUDY



FIRE SCIENCE PROGRAM OF STUDY Newark Community High School

Law, Public Safety, Corrections and Security: Emergency and Fire Management Services
Career Pathway Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Pathway Plan of Study (based on the Emergency and Fire Management Services Pathway of the Law, Public Safety, Corrections and Security Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

Planning materials; do not use combined in a career path. Courses listed within the plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.								
EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/ or Degree Major Courses for Emergency and Fire Management Services Pathway	SAMPLE Occupations Relating to This Pathway
College Placement Assessments-Academic/Career Advisement Provided								
SECONDARY	9	World Lit I	Essential Algebra or Algebra I, Geometry†	Biology or Physical Science	World History I or II, Geography, Modern Issues	• Plans of study should meet state and local high school graduation requirements. • Consideration should be given to the student's career pathway when choosing elective coursework. Participation in local fire department programs may provide valuable field-based experiences. • Post-secondary education entrance requirements should also be considered.	Indian Valley Vocational Center Grade 11-12 Fire Science I * Fire Science II *	► Dispatcher ► Emergency Management and Response Coordinator ► Emergency Planning Manager ► EMT ► Fire Fighter ► Forest Fire Fighter ► Forest Fire Inspector and Investigator ► Hazardous Materials Responder ► Manager/Supervisor of Fire Fighters or Forest Fire Fighters ► Rescue Worker ► Training Officer
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	12	British Lit IV	Algebra II, College Algebra, Pre-Calc, Calc	Ag Science, Biology II, Advanced Biology, Chemistry, Physics	World History I or II, Geography, Modern Issues, Sociology, Psychology, US History/Govt			
Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.								
POSTSECONDARY	Year 13	COM *100 or 121 ENG *101 or 151 ENG *102 or 153	MTH *101		PSY *100	3 credits gen.ed.elective, 3 credits fire science elective, EMT 120	FSC100 Fire Science I* FSC 110 Fire Science II * FSC120 Hazardous Materials Operations * FSC 140 Fire Apparatus Engineer * FSC 150 Vehicle & Machinery Operation FSC 160 Tactics and Strategy I FSC 170 Fire Science Instructor I FSC 200 Fire Science III * FSC210 Fire Science IV * FSC 220 Fire Inspection & Prevention FSC 231 Fire Science Administration I FSC 232 Fire Science Administration II FSC 233 Fire Science Administration III FSC 234 Fire Science Administration IV FSC 260 Tactics and Strategy II FSC 270 Fire Science Instructor II (See WCC catalog for progression of Fire Science certificates.)	► Fire Fighter I and II ► Fire Apparatus Engineer ► Rescue Specialist - Roadway Extraction ► Fire Office I and II ► Hazardous Materials First Responder Some State Fire Marshal Certificates require experience with a fire department in addition to course work. It is strongly recommended that Fire Science majors either gain employment or volunteer with a fire department as early as possible.
	Year 14							
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Course sequences aligned with Illinois graduation requirements and aligned with Illinois State Fire Marshal's curriculum.

PATHWAYS PORTAL

► WWW.VALEES.ORG

CAREER PATHWAYS

▶ WORK-BASED LEARNING EXPERIENCES

▶ INTERNSHIPS

▶ APPRENTICESHIPS

▶ CERTIFICATIONS

CAREER READINESS CERTIFICATE

▶ COLLEGE PROGRAMS

▶ NOT ONE SIZE FITS ALL



College Major

Career and Technical Education



REFLECTING

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OWNING YOUR PASSION



Conversations ON

Career Pathways
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Who am I?

▶ WHAT OPPORTUNITIES FOR
CONVERSATIONS ABOUT CAREER
PATHWAYS ALREADY EXIST?

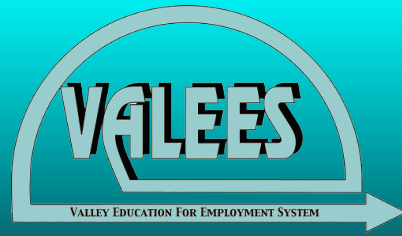
▶ WHAT OPPORTUNITIES MIGHT
YOU CREATE?

Where do I
want to go?

How might
I get there?

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.



Conversations
on

Career Pathways
with students, parents, and staff

