



Conversations  
ON

Career Pathways  
with students, parents, and staff





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**WHY ARE CAREER PATHWAYS AND  
PROGRAMS OF STUDY IMPORTANT?**

**HOW CAN PROGRAMS OF STUDY BE  
IMPLEMENTED AT YOUR SCHOOL?**



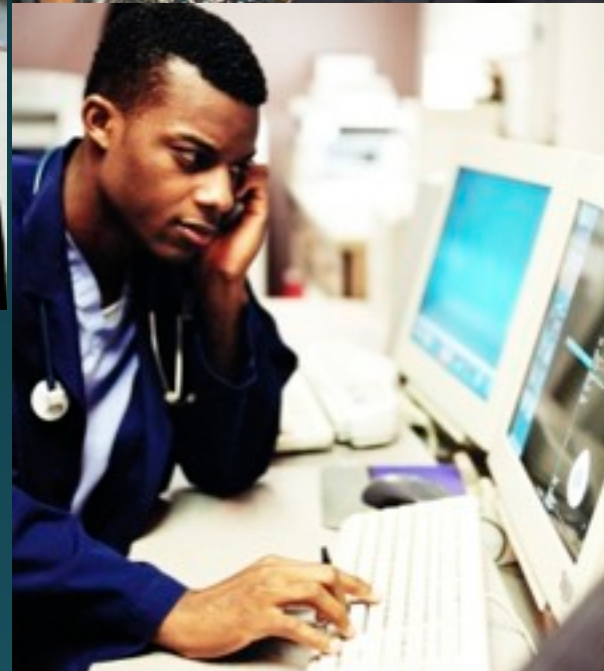


# Conversations ON

Career Pathways  
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Who am I?



# CAREER PATHWAYS

## CONNECTING

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





## PATHWAYS INITIATIVE

- ▶ 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

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## CAREER CLUSTERS FRAMEWORK



June 8, 2009

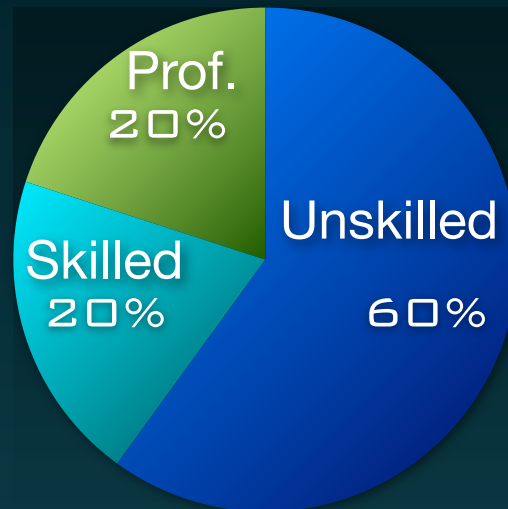
<http://www.careerclusters.org>

### Career Cluster Framework

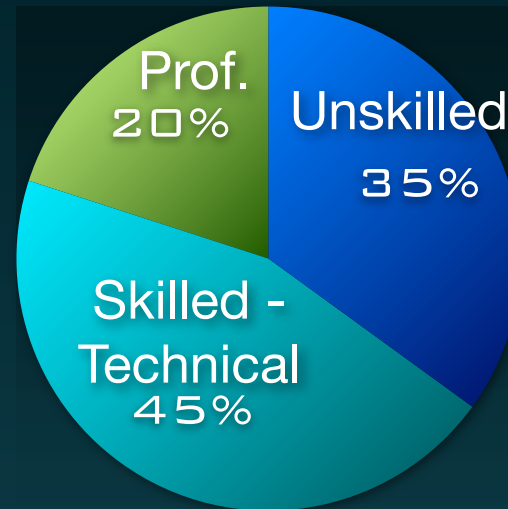
- 1 Essential Knowledge and Skills
- 2 CTE Areas: Secondary (5)
- 3 Career Clusters (16)
- 4 Career Pathways (79)

# JOB SKILL CHANGES

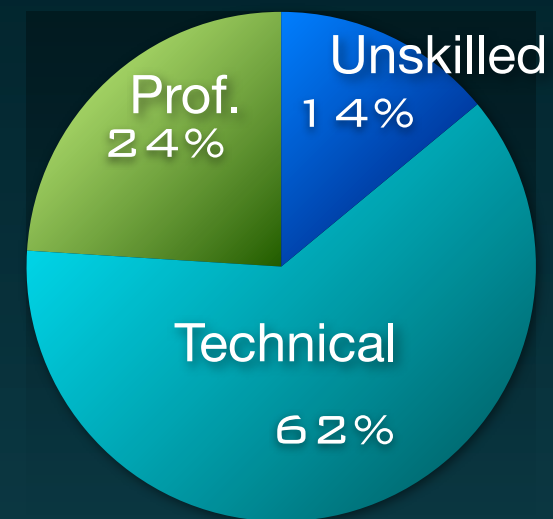
1950



1991



2005



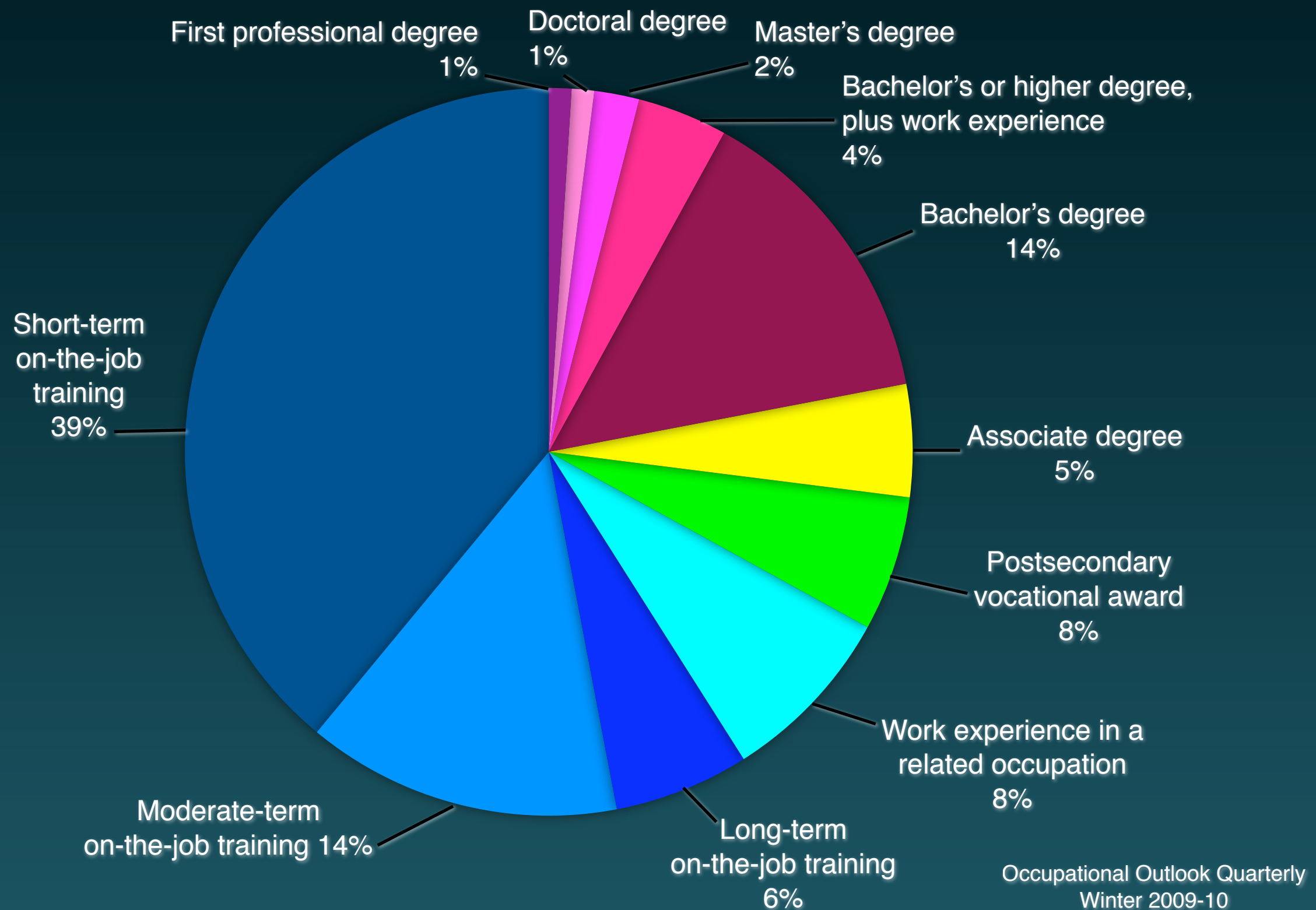
Skilled-Technical:  
Education beyond high school  
or on-the-job training

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



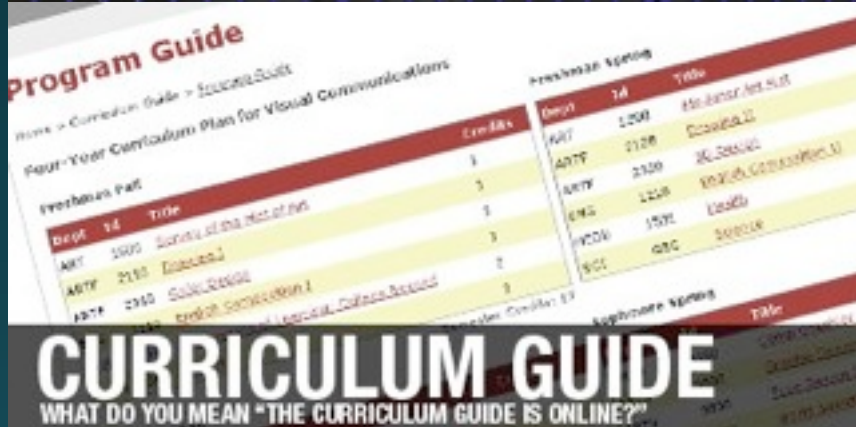
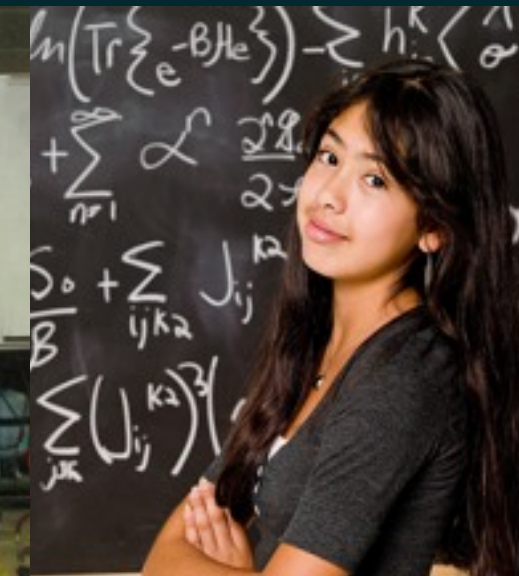


# ONLINE RESOURCES

► [WWW.VALEES.ORG](http://WWW.VALEES.ORG)

# OPPORTUNITIES FOR CONVERSATIONS

## ► EVENTS / ACTIVITIES / STRATEGIES / TOOLS



CAREER DEVELOPMENT

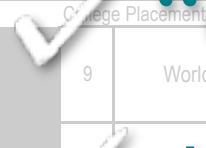
# PROGRAMS OF STUDY



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 program only recommended courses and should be determined by 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
SECONDARY	9	World Lit I	Essential Algebra or Algebra I, Geometry†	Biology or Physical Science	World History I or II, Geography, Modern Issues	Classes 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 113	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><b>8th Grade</b></p> <ul style="list-style-type: none"> <li>•Counselor introduces students to high school in classroom presentation</li> <li>•Parents &amp; students attend spring orientation</li> <li>•4 year plans, career development, course offerings including CTE discussed</li> <li>•Unit taught by counselor on social/emotional health &amp; careers taught during interest area time</li> </ul>	<p><b>11th Grade</b></p> <ul style="list-style-type: none"> <li>•PSAT &amp; ASVAB assessments used by counselor and student to interpret in relation to careers</li> <li>•One-on-one job shadowing based on career area of choice</li> <li>•Parent night for next year scheduling, consideration for attending career center, 4 year planning, post-secondary options, &amp; emphasis on steps to take over the summer</li> </ul>
<p><b>9th Grade</b></p> <ul style="list-style-type: none"> <li>•Freshmen interviews around career planning and review of 4 year plan</li> <li>•EXPLORE test with interest inventory</li> <li>•Students job shadow as group for a full day</li> <li>•Freshman parent night for next year's scheduling, 4 year plan, &amp; post-secondary options</li> </ul>	<p><b>12th Grade</b></p> <ul style="list-style-type: none"> <li>•Senior interviews in September. Review of 4 year plan and post-secondary options</li> <li>•Parent night related to post-secondary options</li> <li>•WorkKeys Locating Information test administered as 3rd component of Career Readiness Certificate</li> <li>•Resumes in English IV &amp; mock interviews</li> <li>•Job shadowing based on career interest</li> </ul>
<p><b>10th Grade</b></p> <ul style="list-style-type: none"> <li>•Career Cruising in Consumer Ed. class: interest inventory, resume builder, &amp; mock interviews</li> <li>•PLAN test with interest inventory</li> <li>•Job shadowing as a group</li> <li>•Parent night for next year's scheduling, 4 year plan, &amp; post-secondary options</li> </ul>	<p><b>Career Awareness &amp; Career Planning</b></p>

# Careers/CTE Plan

## Freshman year

[www.careercruising.com](http://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



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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 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.
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# PATHWAYS PORTAL

► [WWW.VALEES.ORG](http://WWW.VALEES.ORG)

# CAREER PATHWAYS

▶ WORK-BASED LEARNING EXPERIENCES

▶ INTERNSHIPS

▶ APPRENTICESHIPS

▶ CERTIFICATIONS

▶ COLLEGE PROGRAMS

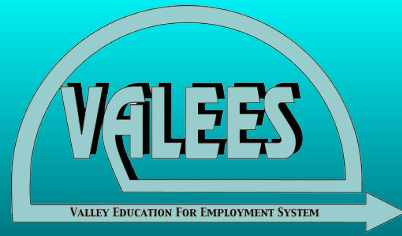
▶ NOT ONE SIZE FITS ALL



# OPPORTUNITIES FOR CONVERSATIONS

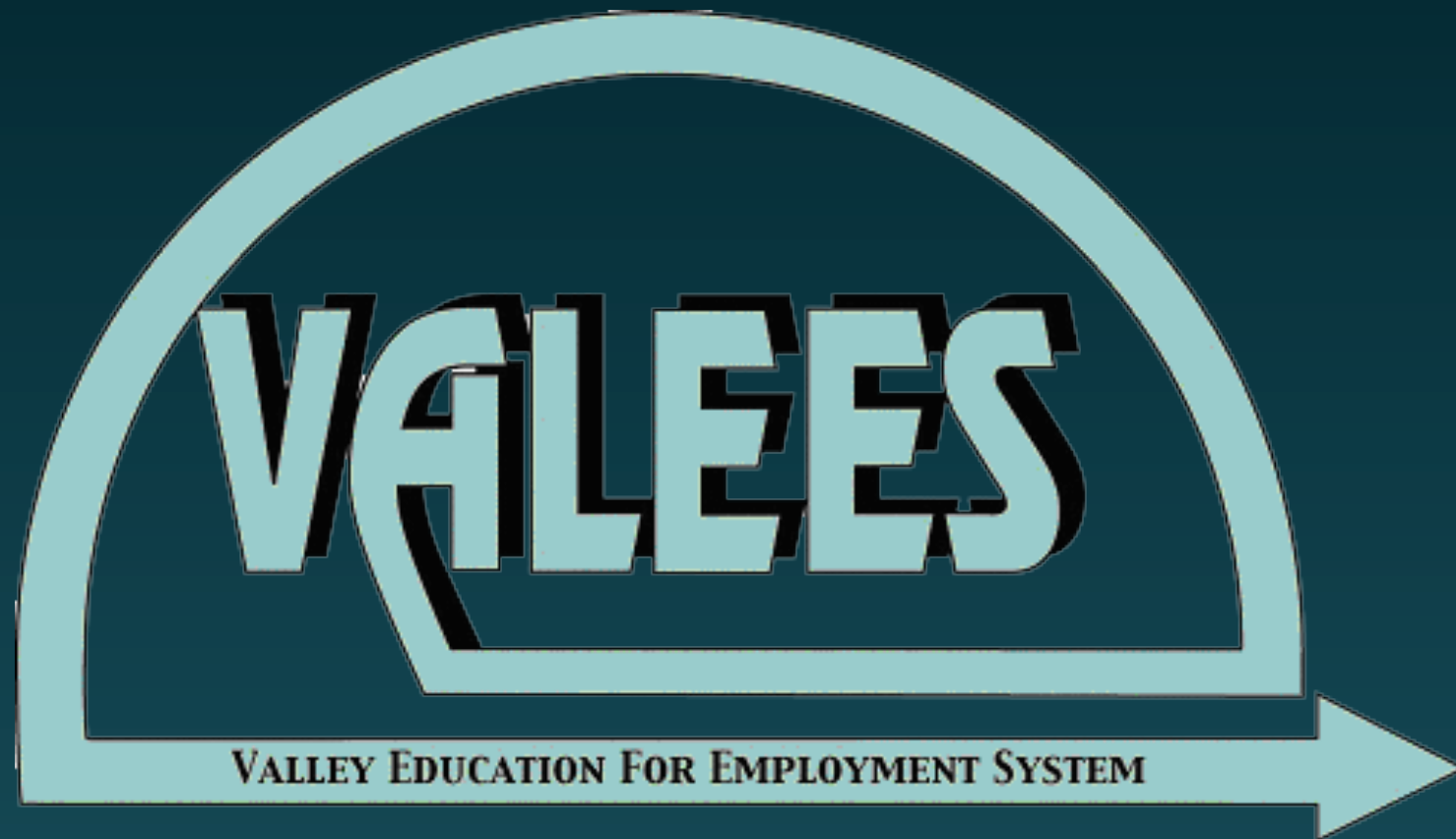
- ▶ WHAT OPPORTUNITIES FOR CONVERSATION ABOUT CAREER PATHWAYS EXIST OR CAN BE CREATED AT YOUR SCHOOL?





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# 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.







# *miDream*

Valley Education for Employment System  
Newark Community High School District 18  
Kaneland Community Unit School District 302  
Oswego Community Unit School District 308

# miDream Framework

Reflection

Manifesting

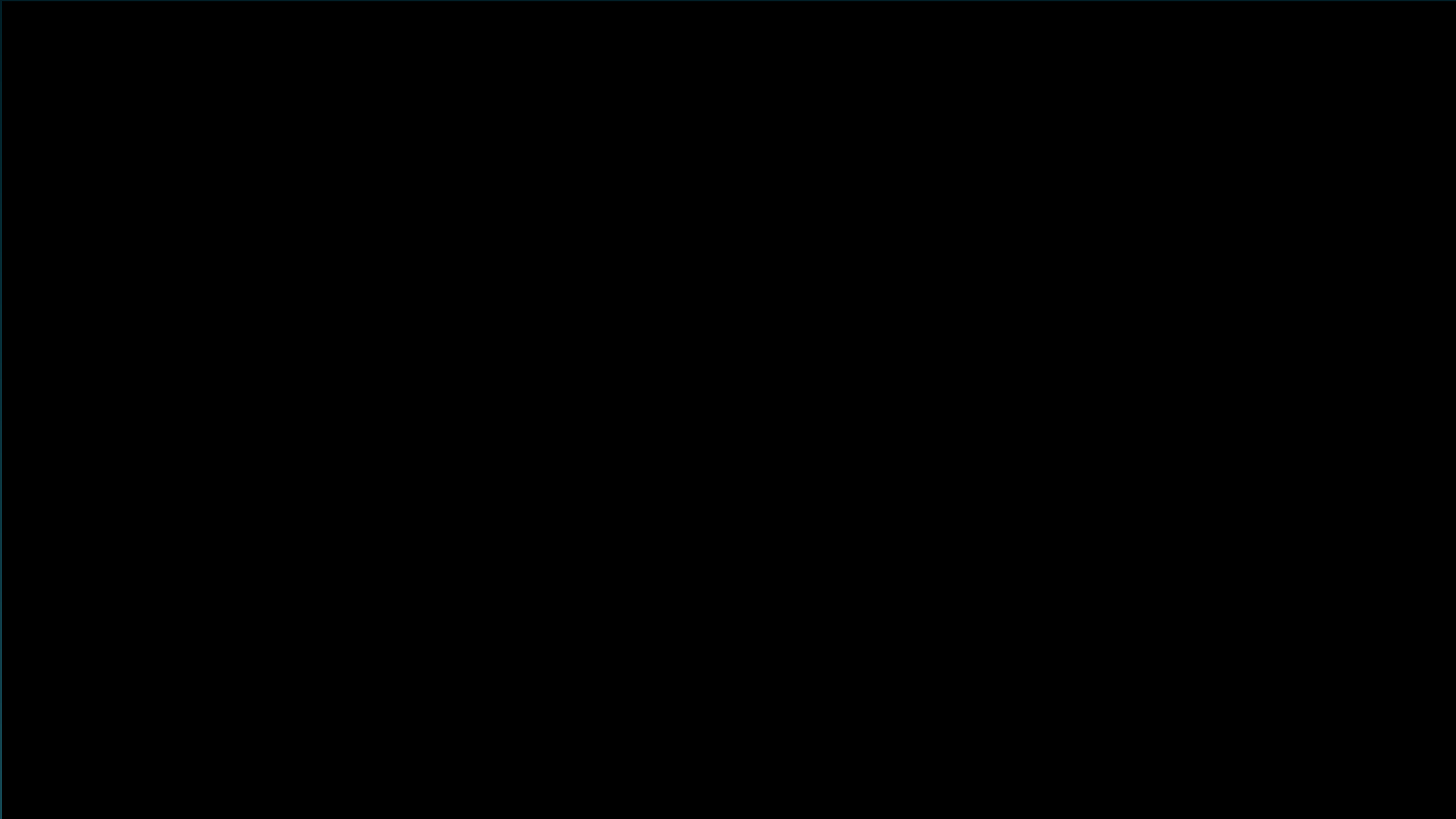
Digital Literacy

Advocacy





Hannah



Adam

# STUDENT REFLECTIONS







# Conversations ON

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Who am I?

Where do I  
want to go?

How might  
I get there?

