

All Agencies and Personnel in Virginia who provide Career Pathways services are finally coming together.

Or as I like to call it...



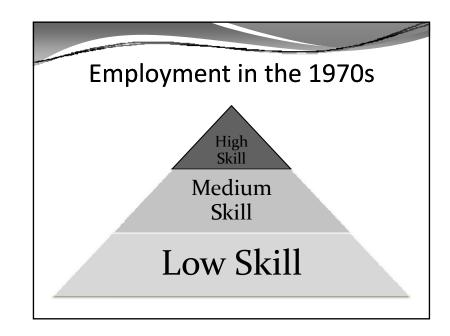
Elements of the "Perfect Storm"

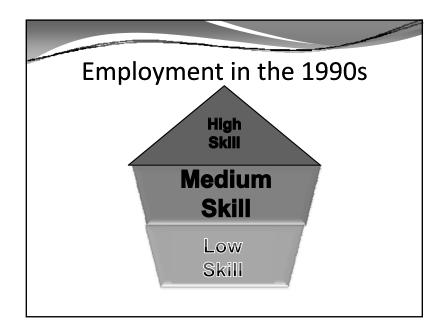
- •P-16 Council
- Career Pathways Task Force
- •Academic & Career Plans
- •Virginia Education Wizard

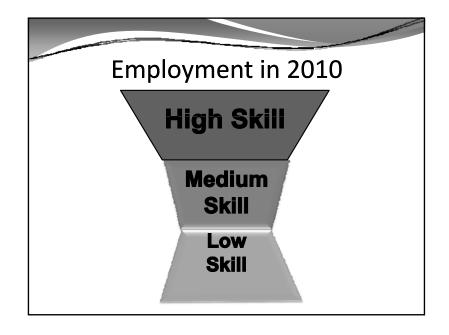
•You!!



They are a change in focus of how we view the connection between education/training opportunities and the demands of the workforce





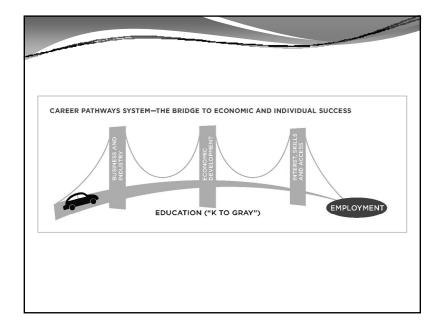


How has Workforce Changed?

Labor has changed the need for postsecondary education and the potential for community colleges has grown

How has Education Changed?

Education has changed the need for learners to earn postsecondary credits in high school to start this process.



Common Characteristics of Career Pathways

- Extensive Reliance on Data to identify gaps and evaluate effectiveness of efforts
- "Road maps" delineating career opportunities
- Linkages between academic and occupational programs

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Common Characteristics of Career Pathways

- Curricula defined in terms of competencies required for jobs and further education
- Emphasis on "learning by doing"
- Outreach to middle and high school students to prepare and motivate

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Why Career Pathways?

For the educational and workforce community

 Link secondary and postsecondary training opportunities with employment opportunities and needs of the workforce





Why Career Pathways?

For the individual learner

 Match the education abilities and desires of the learner with the market demands of the workforce





Why Should Learners Pursue Postsecondary Education...?

85% of current jobs and 90% of the fastest-growing and best-paying jobs now require some postsecondary education.

Business-Higher Education Forum, 2003 U.S. Department of Labor, 2006

...And Because Education Pays!

Unemployment rate in 2007	Education attained	Median annual earnings in 2007		
1.4%	Doctoral degree	\$77,844		
1.3%	Professional degree	\$74,204		
1.8%	Master's degree	\$60,580		
2.2%	Bachelor's degree	\$51,324		
3.0%	Associate degree	\$38,480		
3.8%	Some college, no degree	\$35,516		
4.4%	High-school graduate	\$31,408		
7.1 % (6.8%)	Less than a high school diploma	\$22,256		

Note: Data are 2007 annual averages for persons age 25 and over.

Earnings are for full-time wage and salary workers.

http://www.bls.gov/emp/emptab7.htm

U.S. Department of Labor - Bureau of Labor Statistics

Career Pathways can be customized for the learner

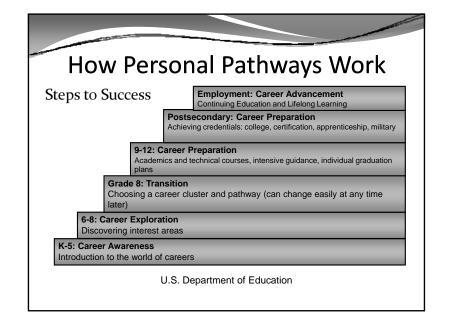
"The process of creating individual learning plans...helps engage students in their own development, a critical component in their success."

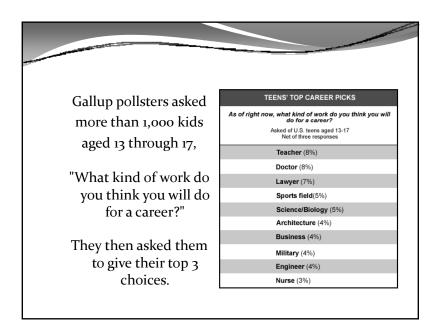
Chait, R., Muller, R.D., Goldware, S., & Housman, N.G. (2007). Academic interventions to help students meet rigorous standards: State policy options. Washington, DC: Institute for Educational Leadership.

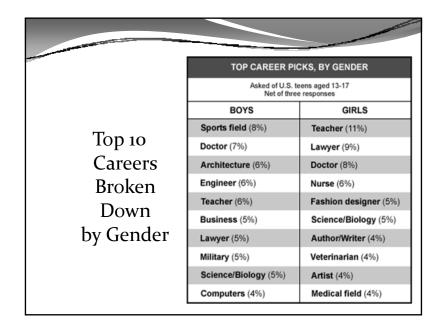
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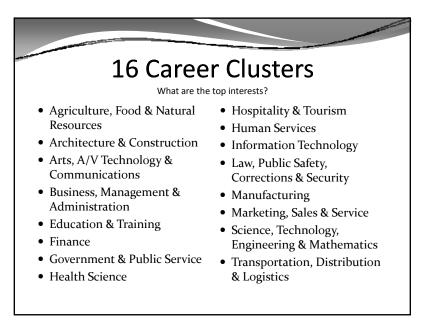
"Many students are unaware of how critical this skill, goal setting and planning, is to a full rewarding, and successful life....goals give us our bearing and point us in a purposeful direction."

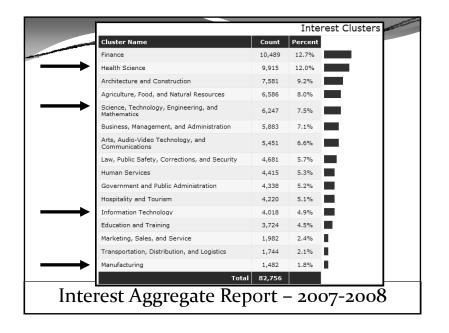
Pellitteri, J., Stern, R., Shelton, C., & Muller-Ackerman, B. (Eds.) (2006). Emotionally intelligent school counseling. Mahwah, NJ: Lawrence Erlbaum Associates.











16 Career Clusters

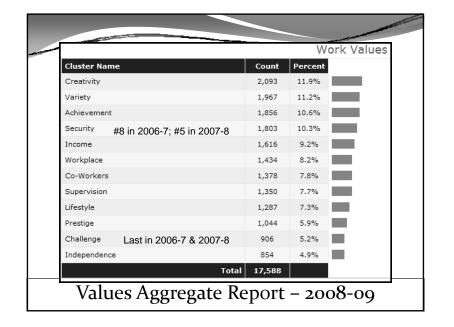
What are the top skills?

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communications
- Business, Management & Administration
- Education & Training
- Finance
- Government & Public Service
- Health Science

- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections & Security
- Manufacturing
- Marketing, Sales & Service
- Science, Technology, Engineering & Mathematics
- Transportation, Distribution & Logistics

		Sk	ill Clusters
Cluster Name	Count	Percent	
Information Technology	4,648	11.6%	
Agriculture, Food, and Natural Resources	4,027	10.0%	
Education and Training	3,468	8.6%	
Human Services	3,086	7.7%	
Health Science	3,064	7.6%	
Arts, Audio-Video Technology, and Communications	2,997	7.5%	
Manufacturing	2,743	6.8%	
Finance	2,731	6.8%	
Hospitality and Tourism	2,430	6.1%	
Architecture and Construction	2,220	5.5%	
Science, Technology, Engineering, and Mathematics	1,789	4.5%	
Transportation, Distribution, and Logistics	1,634	4.1%	
Law, Public Safety, Corrections, and Security	1,588	4.0%	
Government and Public Administration	1,380	3.4%	
Business, Management, and Administration	1,213	3.0%	
Marketing, Sales, and Service	1,076	2.7%	
Total	40,094		

What are the top Work Values? Achievement Creativity Co-Workers Income Independence Lifestyle Mental Challenge Prestige Security Supervision Variety Work Environment



What connects educational training opportunities and careers?

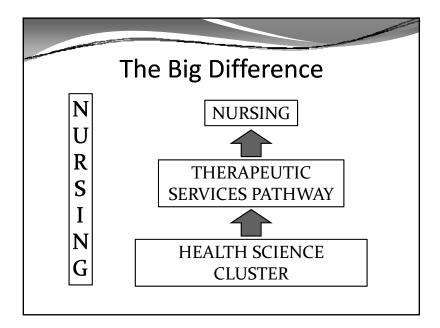
Career Clusters and Pathways

An organizing tool defining CTE using 16 broad clusters of occupations and 79 pathways with employer and postsecondary validated standards that ensure opportunities for all students regardless of their career goals and interests.

- States' Career Clusters Initiative

Career Clusters: Framework

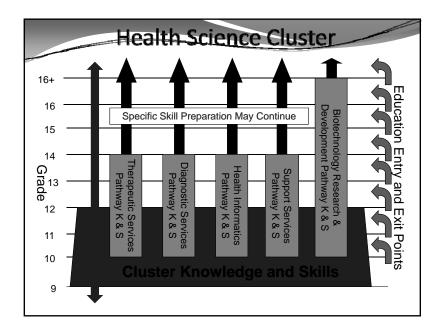
- Cluster Level
 - Represents the skills and knowledge, both academic and technical, that all students within the cluster should achieve regardless of their pathway.
- Pathway Level
 - Represents the skills and knowledge, both academic and technical, necessary to pursue a full range of career opportunities within a pathway - ranging from entry level to management, including technical and professional career specialties.
- Career Specialties
 - Represents the full range of career opportunities within each pathway.

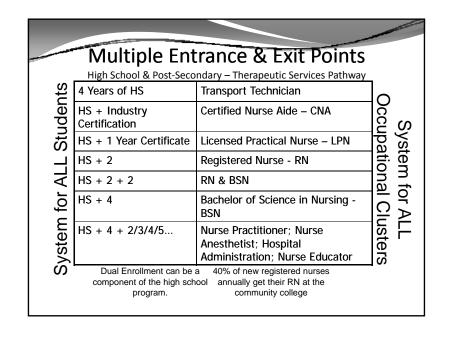


Why Career Clusters?

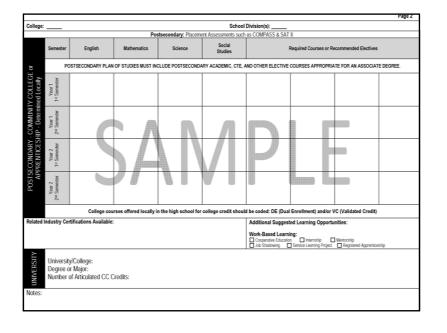
- Create a common language between secondary and postsecondary education and between educational providers and employers
- Allow for "vertical thinking" about high school course selection and "horizontal thinking" across skill sets
- Multiple entry & exit points
 - Non-linear approach

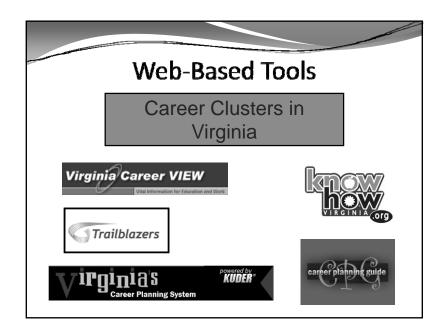
2009 Virginia Career Development Association Conference

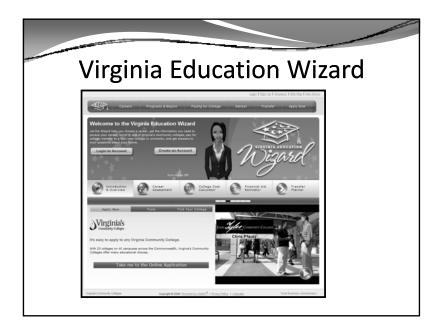




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This Care within this	er Pati s plan a	hway Plan of Study (based on th	te Interactive Media P ork and should be inc	apeutic Services Pathway of the Information Technologi faidualized to meet each Jeamer's ec ntrance requirements.						
EDUCATION	GRADE	English/Language Arts	Mathemat	ics Science	Social St	udies/Science	Other Required Courses Recommended Electives Learner Activities	Recommended Career and Technical Courses Source: Administrative Planning Guide www.doe-sirginia.gov/VDOE/ Instruction/CTEllapg/	SAMPLE - Occupations Relating to This Pathway: www.doe.virginia.gov/VDOE/ Instruction/CTEDamerolusters www.careerolusters.org www.cleresource.org/tpg/	
			Graduation R	lequirements: http://www.do	oe.virginia.gov/2p	lus4in2004/ind	ex.shtml		Aresthesiologist Assistant Athletic Trainer	
MIDDLE	7							NOTE: Use state course titles Health & Medical Science Exploration	Luciologia Cartified Nursing Resistant Chiragnador Chrical Medical Resistant Dental Resistantifing-point Dental Lab Technicion	
2	8							Health & Medical Science Exploratory	- Dertiet - Detoin - Pati Promote	
	Career Assessment: Administration of a career assessment instrument is appropriate at the middle school level to help students and their parents plan for high school Virginia's Career Panning System or other assessment product:									
	9	English	Algebra 1	Earth Sciences	World Histo	nyl Geography	Hearth & PE (2 years)	Health & Medical Science Exploratory	Massage Thorapid Medical Resistant Nurse Practitioner	
	10	English	Geometry	Biology	World Histo	nyl Geography	Foreign Language (3 years) Other Electives to Complement Pathway (Core	Introduction to Health & Medical Science	Congeleral TherapieResidant Cybicon/Cybic	
DARY	11	English	Algebra f	Chamatry	USIVA Hist	ay .	Academic and CTE):	Introduction to Health & Medical Science		
SECONDARY	12	English	Trigonometry/ Advanced Algebra	Physics (or Principles Technology I and II)	of USNA Gov	enment		1# Semester – Practical Nursing I 2 rd Semester – Practical Nursing II		
		High sch	hool courses in	the pathway offered locally	for college credit	should be coo	ded: DE (Dual Enrollment	and/or VC (Validated 0	Credit)	
	List related certifications/credentials approved by VIDOE and offered locally: Additional Learning Opportunities: Opportunities: OSA FRA FFA OSA Saladiss TSA OSA Saladiss TSA OSA Saladiss TSA OSA TSA OSA									
	1e Year – Certified Nurse Aide Per Year – Licensed Practical Nurse					Work-Based Learning: Career Research Copperative Education Student Appentication July Shadowing Service Learning Project Student Appentication				
Posts	ecor	ndary: Placement As	sessments su	ch as COMPASS & SAT	II College	Entrance Ex	ams such as ACT & S	AT		
DARY							THIS CAREER PATHWA tsecondary level (See page 2)	Y		
POSTSECONDARY		Pathway Associate Degree, College C Apprenticeship				ificate, or Bachelors Degree Postgradu		raduate Degree		
Pos	Therapeutic Services			Nursing AA	Nursing AAS (D		(Determined locally) (Determined		ined locally - optional)	







On-line Career Planning Tool

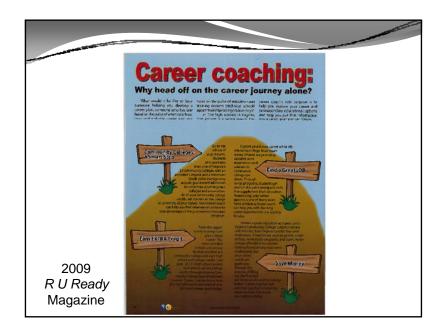
- RFP being developed with VDOE, VCCS & SCHEV
 - Electronic Career Plans
- Governor's Workforce Development mandate for all students to have an individualized career plan
- DOE Grant to develop electronic transcripts

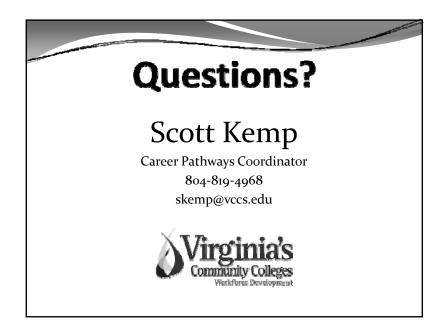
Who are Career Coaches?

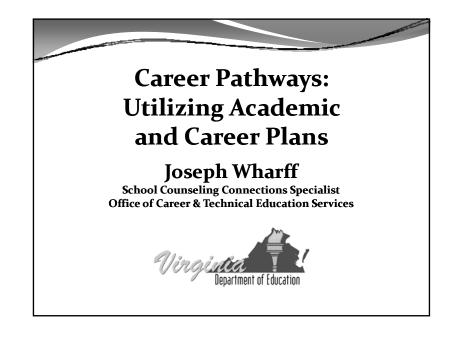
- Community college employees housed in local high schools
- Identify student and school needs in consultation with high school and college administration and counseling
 - Develop and implement services to address those needs
- Serve as career pathway specialists in the high schools

What is the Career Coach History?

- From 11 coaches in Jan 2005 to 92 coaches in June 2008
 - · 102 in 2008-09
- From 13 to 135 high schools
 - · 145 in 2008-09
- From 10 to all 23 Virginia community colleges







How can Career Pathways be implemented and made real?

Career Planning Process

Why Career Planning?

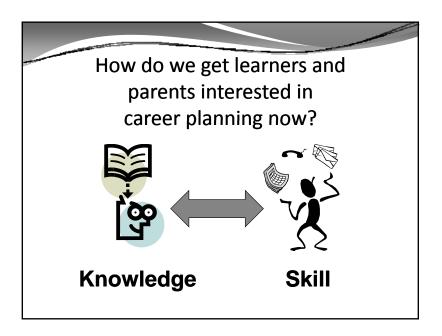
- Essential process in the understanding and selection of careers
- Helps learners connect the pieces of the puzzle
 - Self assessment
 - Career exploration
 - Decision making

Why Career Planning?

- Helps learners find and use information
- Helps learners make career connections
- Is essential in creating and managing a career plan or program of study
- Guides learners throughout schooling years and beyond
- Prepares learners for successful transitions (postsecondary and careers)

Why Career Planning?

Research shows that students who put a career plan in place during their high school years are 47 percent more likely to complete postsecondary education.



Why are Knowledge & Skill Sets Important to Career Planning?

The foundational principle of career pathways is that a set of knowledge and skills can be identified within an occupation that are shared with other occupations in a pathway and other pathways in a cluster.

Virginia Department of Education

Academic and Career Plan

8 VAC 20-131-140. College preparation programs and opportunities for postsecondary credit:

- The Academic Career Plan would become effective with seventh graders in 2010-2011.
- The development timeline is extended throughout the student's seventh-grade year with completion required by the fall of the eighth-grade year.
- The Board of Education will establish guidelines for development of the Plan.
- Any personal academic and career plans prescribed by local school boards for students in grades 7-12 that are currently in effect would be approved to continue without further action by the Board.

Virginia Department of Education

Academic and Career Plan

8 VAC 20-131-140. College preparation programs and opportunities for postsecondary credit:

- Shall include, but not be limited to:
- Educational goals
- Program of Study for High School Graduation
- Postsecondary career pathway based on student's academic and career interests

Virginia Department of Education

Academic and Career Plan

8 VAC 20-131-140. College preparation programs and opportunities for postsecondary credit:

- Must be developed and signed by the student, student's parent/guardian and a designated school official
- Included in the student's record
- Reviewed and updated before the 9th and 11th grades

Revisions to the Regulations Establishing Standards for Accrediting

Public Schools in Virginia

(8 VAC 20-131-10 et seq.)

- Standard Diploma
- Standard and verified credits would not change-22/6
- Require 5 electives instead of 6
- Requirement of a standard unit in foreign language, economics or personal finance

Revisions to the Regulations Establishing Standards for Accrediting

Public Schools in Virginia

(8 VAC 20-131-10 et seq.)

• Advanced Diploma

Minimum of 26 standard credits and 9 verified credits

Requirement of 1 standard unit in foreign language, economics or personal finance

3 electives instead of 2

Revisions to the Regulations Establishing Standards for Accrediting

Public Schools in Virginia

(8 VAC 20-131-10 et seq.)

Standard Technical Diploma

Career and Technical Education - Four standard credits

Courses completed to satisfy this requirement must include a career concentration as approved by the Board. For concentrations that require less than four courses students must complete additional courses that are related to the student's career concentration.

Requirement of 1 standard unit in foreign language, economics or personal finance

Electives - Two standard credits

Revisions to the Regulations Establishing Standards for Accrediting

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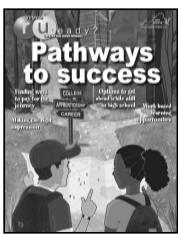
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r u ready? Magazine



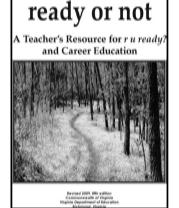
- Youth Appealing resource
- Online and in print
- Juniors in High School
- Plans for Life After High School
- Educational Opportunities in HS
- PDF Version on the CTE Home Page

Parent Guide to r u ready?



- Designed for 8th grade parents to help with the transition to high school
- Designed as a Folder for HS Course Requests
- Web Sites
- Career Cluster Information

Ready or Not: Resource Guide



- Classroom curriculum companion piece to the *r u ready?* magazine
- Download from CTE web site or order from CTE Resource Center web site

