Beyond Articulation: Options for Alignment in Concurrent Enrollment

NACEP 2012

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Session Overview

- **Colorado Context**

- **CTE Certificates**

- **College Pathways**

- **Discussion**

The Colorado Paradox

Highly educated workforce

- Colorado is #2 in the country for percentage of workforce over the age of 25 with a college degree

- But….this is largely due to an imported workforce from other states

- Colorado is doing a very mediocre job of graduating our own young people from college

- In other words, we have a "leaky pipeline"

Graduation Pipeline in CO

100

In Colorado, for every 100 ninth grade students

70 students graduate from high school four years later

44 students immediately enter college

26 students are still enrolled in their second year

22 students graduate with either an associate's degree within three years or a bachelor's degree within six years

Source: NCES 2006

Where are the Leaks?

Colorado ranks:

- 29th in terms of high school graduation
- 19th in college matriculation

The biggest leak in the pipeline occurs during the transition of high school graduates enrolling directly in college upon graduation

Colorado is striving to patch the leak

2009 Legislation: Concurrent Enrollment & ASCENT

Concurrent Enrollment:

- Grades 9-12
- Districts pay for student tuition
- Intent is to increase access to college
- Classes at HS or on college campus w/HS or College Instructor

ASCENT: 1st-year College / 5th-year HS Program

- Met high school graduation requirements
- Have at least 12 college credits (not Dev Ed)
- May complete a certificate or associate's degree
- All classes taken at college campus

Individual Career and Academic Plan (ICAP):

Each school counselor or school administrator shall ensure that every student in grades nine through twelve and their parents or legal guardians has access to and assistance in the development of an ICAP.
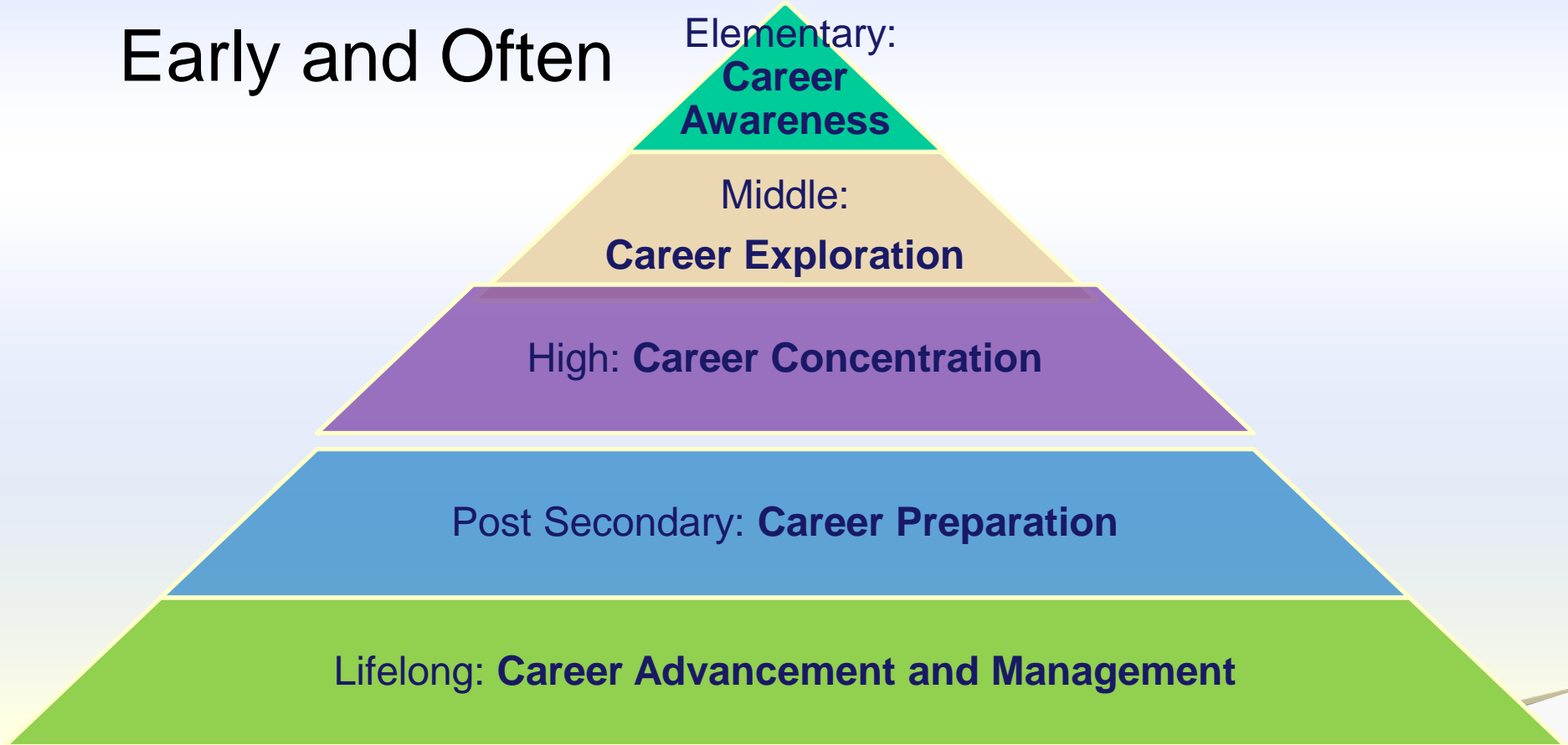
An individualized plan, developed by all that have a vested interest to:

- establish personalized academic and career goals
- explore postsecondary career and educational opportunities
- align course work and curriculum
- apply to postsecondary institutions
- secure financial aid
- ultimately enter the workforce

Financial Literacy • Career Exploration • Postsecondary Planning • Academic Progress

Seamless Transition

Early and Often

Plans of Study

Career Goal & Plans make a HUGE difference!

Preliminary findings show desired learning outcomes were the best predictors of student success.

- Students whose desire was to "Explore courses to decide career," had the lowest graduation rate, 21%

- This compares to a graduation rate for students who intend to, "Prepare to change careers," of 78%

  - Rossol & Byers, Johnson County Community College, NE

- Students with a pathway have a distinct map showing destination

- Students are empowered with knowledge and tools to be successful

Clearly, having a career goal and plan that a student is acting upon makes a big difference

School Partnerships

Creating CTE Pathways

CTE Focus

- Looking at articulation agreements
- Reviewing college certificates.
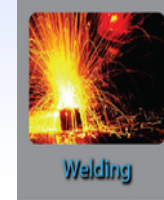 How do articulated credits apply?

Options

- Convert articulated courses to concurrent credit
- Pair articulated credit with concurrent credit

Options, Pathways, Completion

Example Pathway: Welding

Articulated Credit		Concurrent Enrollment Credit		Students graduate
WEL 100 Safety for Welders (1 cr.)	**+**	**WEL 101** Allied Cutting Processes (4 cr.)	**=**	with Oxyacetylene Welding certificate!

Example Pathway: Automotive

Articulated credit

ASE 100
Auto Shop
Orientation
(1 cr.)

+

Concurrent Enrollment Credit

ASE 130
General Engine
Diagnosis (2 cr.)

ASE 160
Auto Engine
Removal &
Installation (1 cr.)

ASE 161
Engine,
Disassembly
Diagnosis and
Assembly (5 cr.)

=

Students graduate
with
Engine Repair
certificate!

Principal Questions

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Concurrent Enrollment Pathways

College Prep for ASCENT Eligibility

Accounting / Business / Technology

Criminal Justice

Engineering Graphics

Foreign Languages

General Education / Humanities

Graphic Design

Health Services

Human services / Behavioral Sciences

Visual Arts

General College Prep for ASCENT eligibility

AAA 109	BTE 100/102	CIS 118	ENG 121
Advanced Academic Achievement	Keyboarding & Keyboarding Apps	Intro to PC Applications	English Composition
		ENG 090 Basic Composition	
Year 1		Year 2	

ENG 090: Basic Composition is recommended, but does not count towards ASCENT eligibility

Criminal Justice

CRJ 110	CRJ 125	CRJ 127	CRJ 145	CRJ 135	
Intro to Criminal Justice	Law Enforcement Operations	Crime Scene Investigation	Correctional Process	Judicial Function	
Year 1		Year 2		Year 3	

Additional recommended courses:
ENG 121: English Composition

<u>Possible Certificates:</u>	<u>Possible Degrees</u>: **Associate of Arts**	<u>Possible Careers:</u>
CRJ Homeland Security CRJ Applied Forensic	Associate of Applied Science Criminal Justice Emphasis	Police Officer Probation / Parole Officer Court Administration Social Services

Visual Arts

ART 121	ART 110	ART 111	ART 112	ART 221	ART 131
Drawing I	Art Appreciation	Art History Ancient to Medieval	Art History Renaissance to Modern	Drawing II	Visual Concepts 2-D Design
Year 1		Year 2		Year 3	

Additional recommended courses:
ENG 121: English Composition
HIS 101: Western Civilization: Antiquity-1650 and/or **HIS 102**: Western Civilization 1650–Present
MAT 120: Mathematics for Liberal Arts or **MAT 121**: College Algebra

Possible Certificates:	Possible Degrees: Associate of Arts	Possible Careers:
CCD Visual Arts does not offer certificates at this time	Visual Arts Emphasis	Professional Visual Artist/Assistant Museum or Art Gallery Staff Retail Display Design, Print or Online 'Zine' Illustrator Art Coordinator/Consultant for Non-Profit

Discussion

- What models are other programs using?

- Biggest challenges / successes?

- How do high schools and colleges view CTE alignment with Concurrent Enrollment?

- Articulation vs. Concurrent Enrollment?