

Welcome!

Core 24: Education for a Competitive World

April 30, 2010

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Washington State Board of Education

Just for Fun...A Quiz!

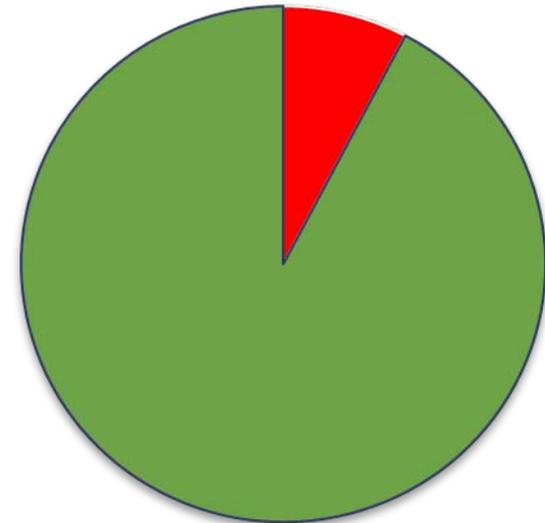
Which of these responsibilities is within the authority of the State Board of Education:

- a. Teacher certification
- b. Complaints against a teacher, staff, or district
- c. Issuing diplomas
- d. Providing GED testing
- e. All of the above
- f. None of the above

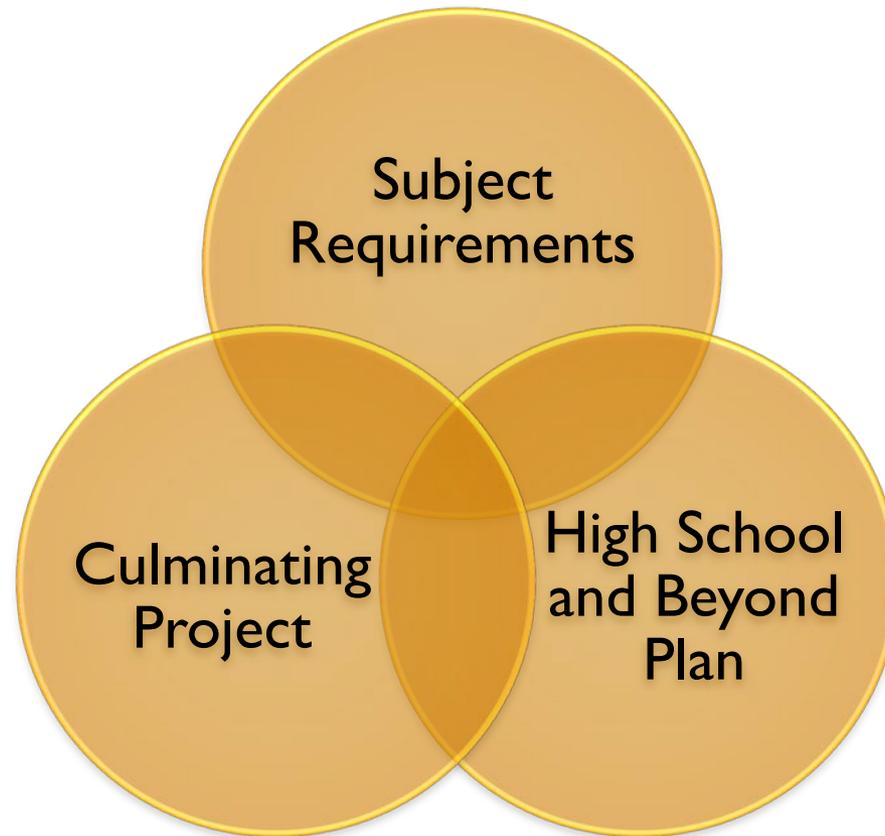
A Meaningful High School Diploma – One Part of Education Reform

It takes a system to prepare a child:

- Great teachers and leaders
- Quality instruction
- Early learning resources
- Adequate funding
- Data driven decisions
- Shared accountability
- Involved parents
- **A meaningful high school diploma**



2008 Core 24 Framework



The Culminating Project

- SBE established the culminating project as a graduation requirement in 2000, effective for students in the graduating class of 2008.
- Whereas content knowledge is tested through statewide assessments, the culminating project is designed to ensure students can *apply* what they have learned in the classroom.



The High School and Beyond Plan

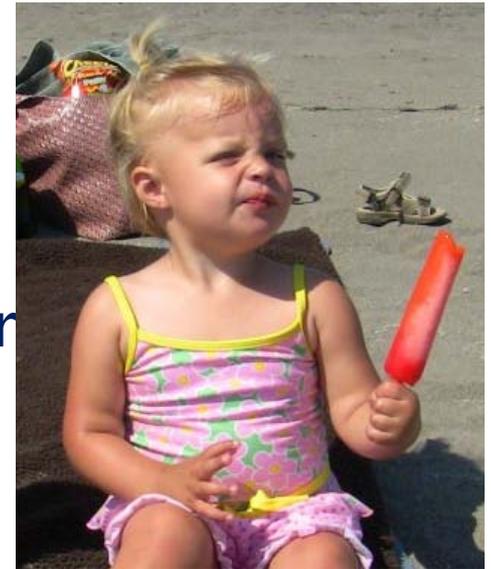
- Each school district determines the guidelines for the high school and beyond plan.
- Ideally, students write their plan in eighth or ninth grade and then continue to revise it throughout high school to accommodate changing interests or goals.



Preparing for the Next Step: College and Career Readiness

In Washington, reframing the vision through:

- fundamental, essential or core graduation requirements, rather than minimum requirements
- high school graduation as a beginning rather than an ending
- a cross-sector, system's view



Preparing for the Next Step: College / Career Readiness

Nationally, reframing the vision, through:

- State initiatives like Common Core Standards
- Federal Reauthorization of the Elementary and Secondary Education Act (NCLB)
- Federal Race to the Top funding priorities

In a global economy where the most valuable skill you can sell is your knowledge, a good education is no longer just a pathway to opportunity – it is a prerequisite.

*President Barack Obama
February 24, 2009*

Announcing his plans to lead the world in postsecondary attainment by 2020

Who's At Stake



And Why: Hopes for Our Children

Opportunity to:

- Contribute to their communities
- Participate in decision-making
- Earn a living wage
- Lead healthy lives
- Take care of themselves and their families
- Feel safe



Both individuals and society benefit from education.

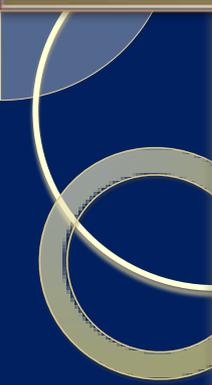
Source: "2008 Strategic Master Plan for Higher Education in Washington." The Higher Education Coordinating Board. December 2007.

Preparing Today's Students for Tomorrow's Challenges

A Meaningful
High School
Diploma:

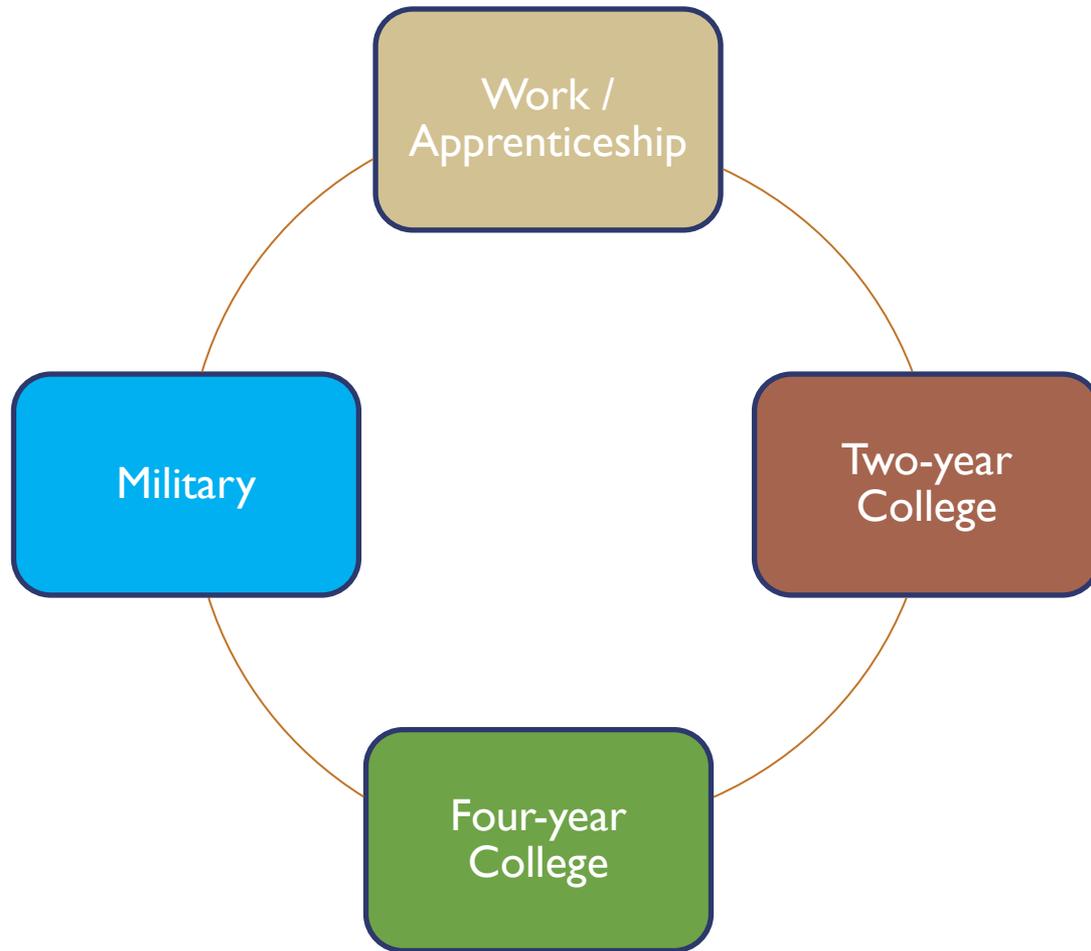
Leaves all options open for our students and provides graduates with the skills and knowledge necessary for postsecondary education, training, and careers.

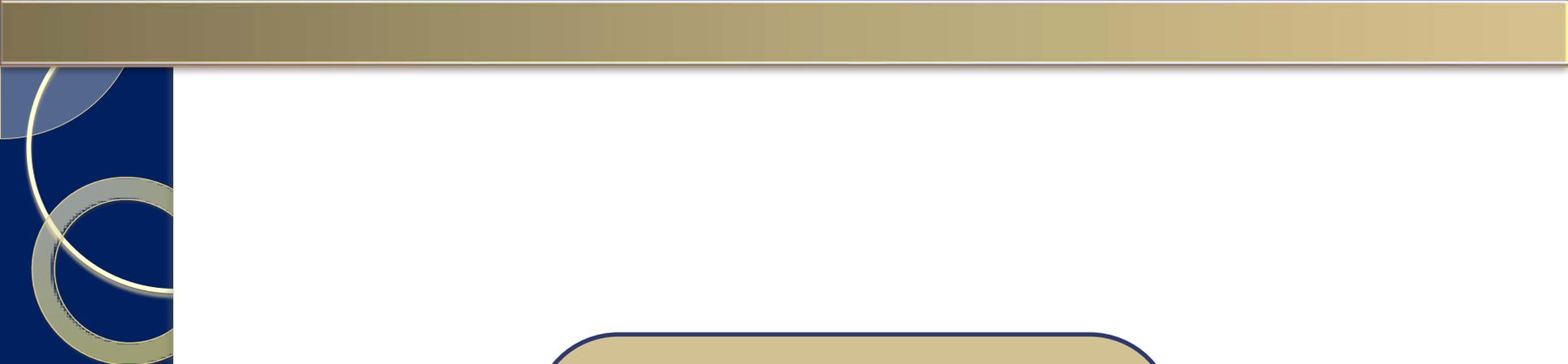




Taking Stock of Today's World

The Places They'll Go





Work / Apprenticeship

What does it mean to be career ready?

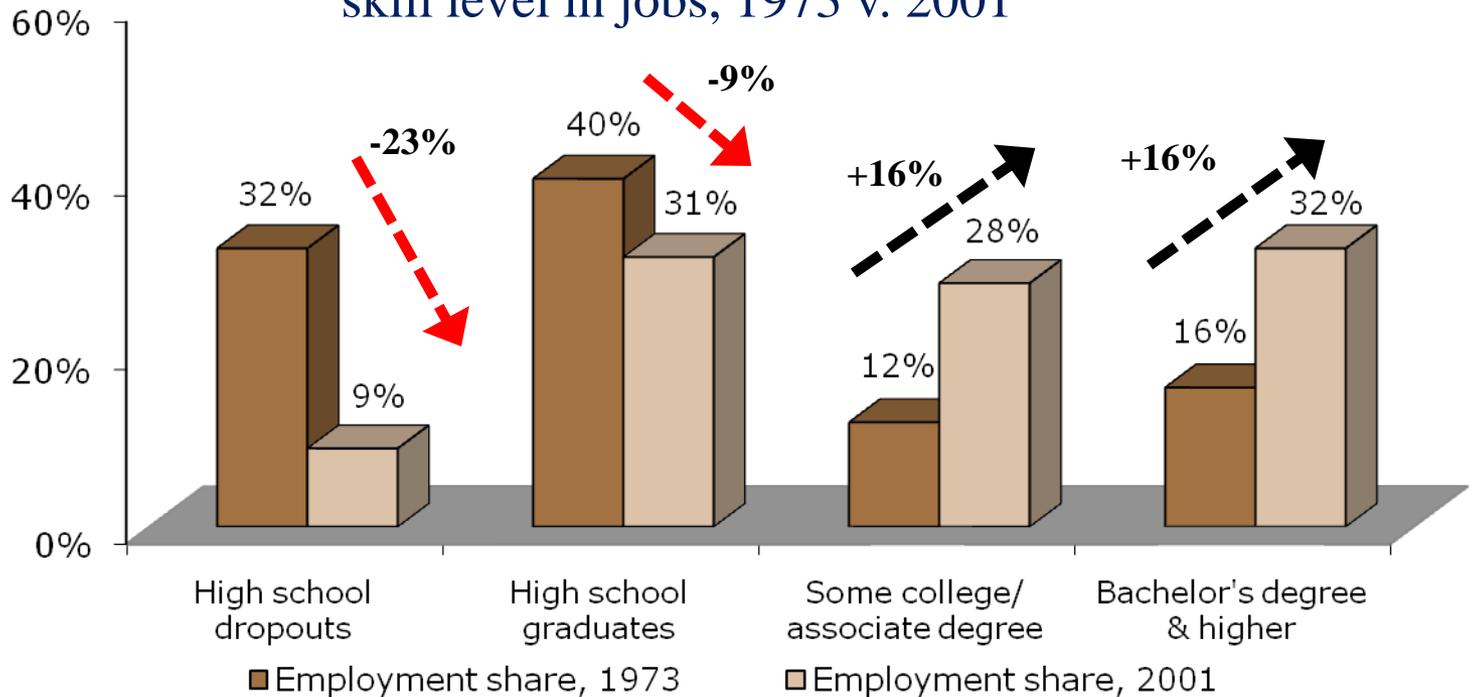
Work /
Apprenticeship



Source: "What is 'Career Ready'?" Association for Career and Technical Education 2010

Changing Job Market

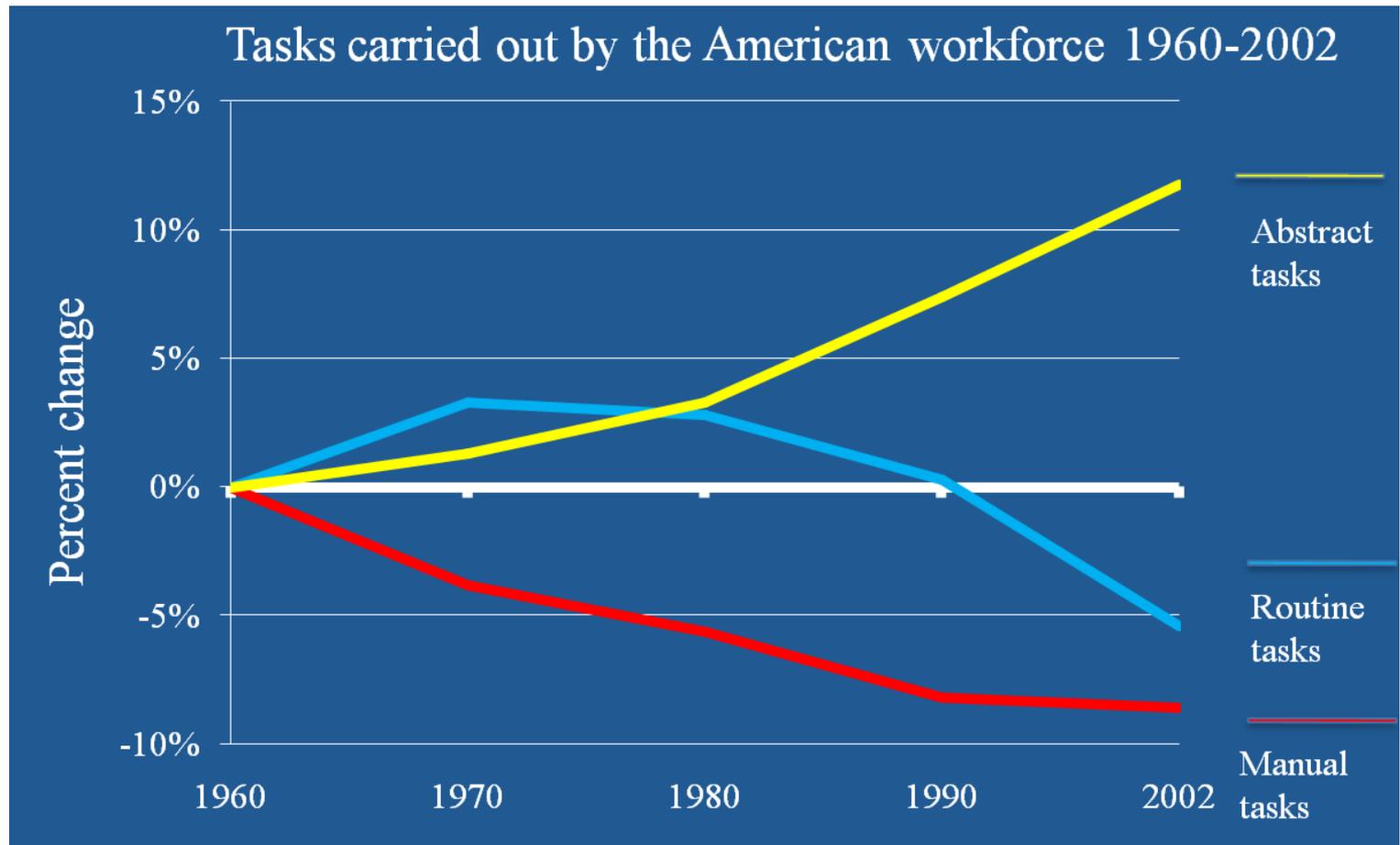
Change in the distribution of education / skill level in jobs, 1973 v. 2001



Source: Carnevale, Anthony P. and Donna M. Desrochers, *Standards for What? The Economic Roots of K-16 Reform*, Educational Testing Service, 2003.

21st Century Jobs Skills

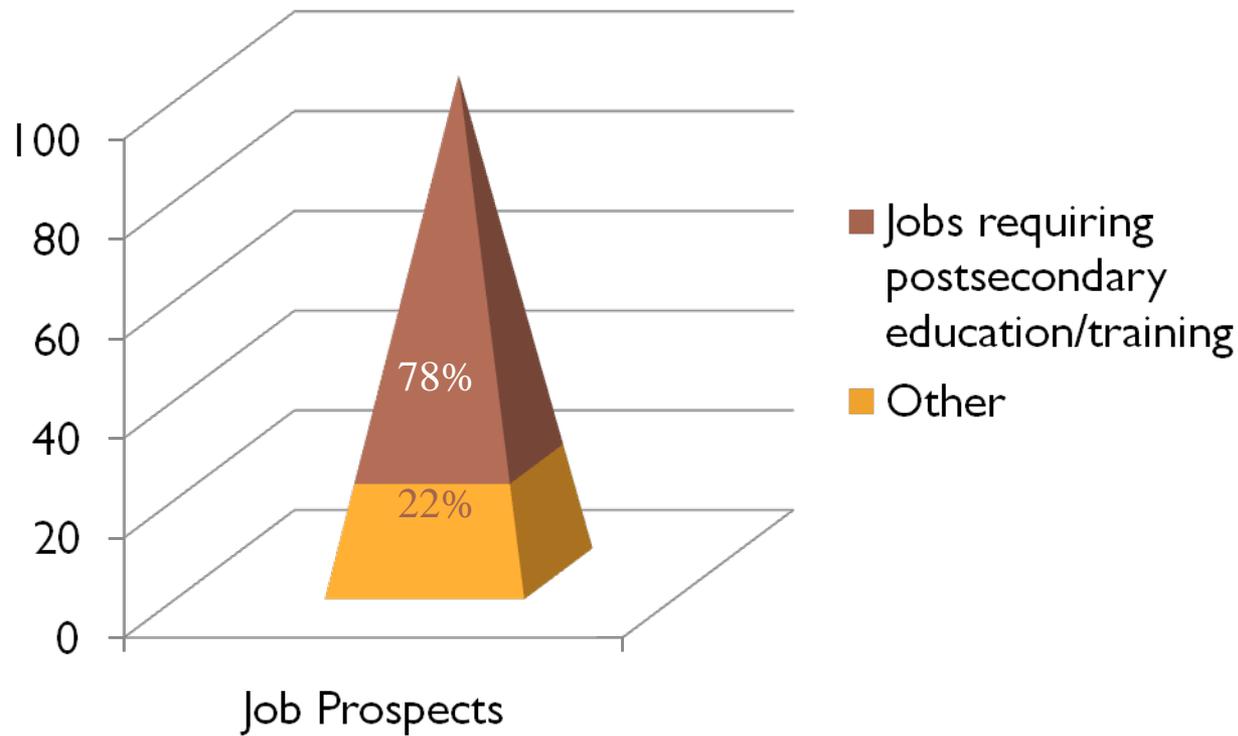
Work /
Apprenticeship



Source: Autor, Levy, and Murnane 2003

Projected Employment Shares by Occupational Skill Level

Work /
Apprenticeship



Source: Holzer, Harry & Robert Lerman (Feb 2009) "The Future of Middle-Skill Jobs." Brookings Institution; "Forgotten Middle-Skill Jobs," www.skills2compete.org

What Does it Take to be a Plumber?

- Driver's license, GED, or diploma
- Good grades. REALLY good. (280 on waiting list—April 2010)
- Algebra, geometry, trigonometry; science
- Good vocabulary and oral communication skills
- Trade-related experience (computer-assisted drafting, welding skills, blueprint reading/drawing)
- Physically-fit
- Mentally-prepared

Source: SW Washington Pipe Trades Joint Apprenticeship Trades Committee Local 26

What Does It Take to be a Plumber?

- Complete an application, negotiate an oral interview
- 5 years of schooling (2 night classes per week, 3.5 hours per night)—after working all day
- 10,000 hours of on-the-job training
- Pass a four-hour written exam for licensure

Source: SW Washington Pipe Trades Joint Apprenticeship Trades Committee Local 26

Examples of Apprenticeship Requirements

Work /
Apprenticeship

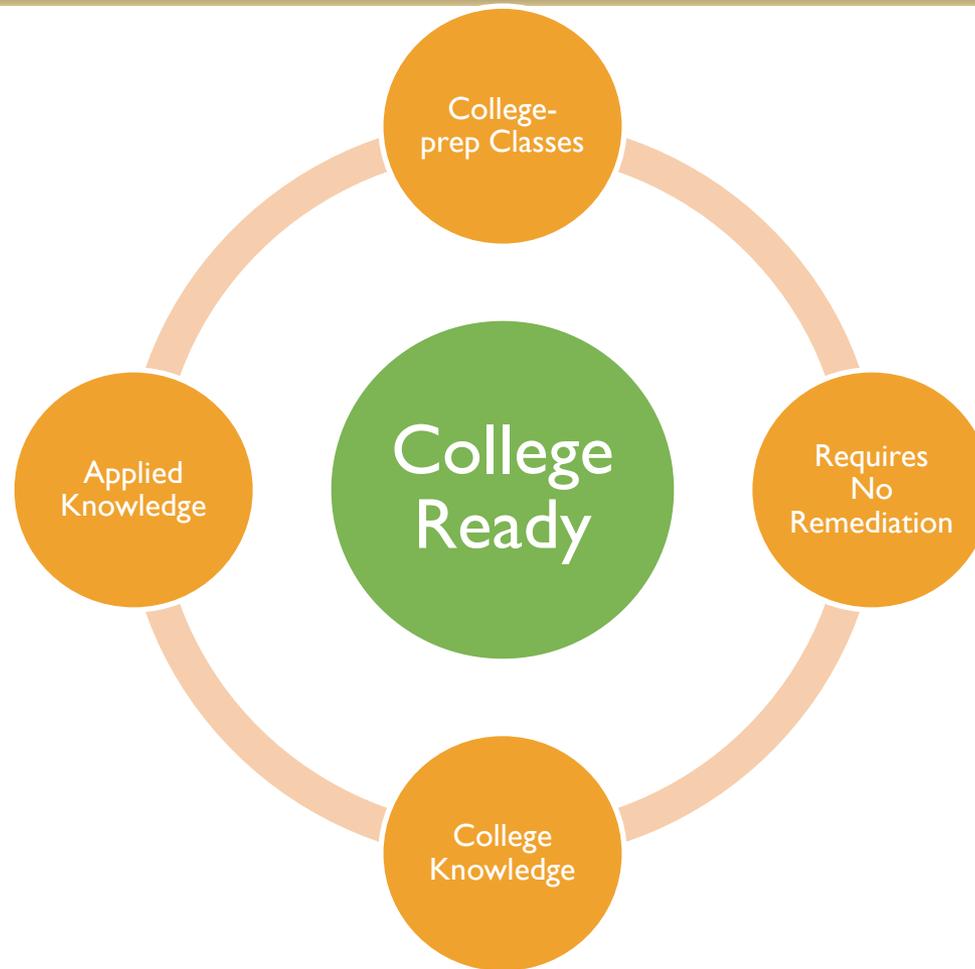
Career	Apprenticeship (Hours)	Classroom Hours/Yr
Mason	4,500-7000	144
Carpenter	3,000-8,000	144-603
Electrician	4,000-8,000	144+
Ironworker	6,000-8,000	160
Millwright	6,000-10,000	144-160
Plumber	6,000-10,000	216+

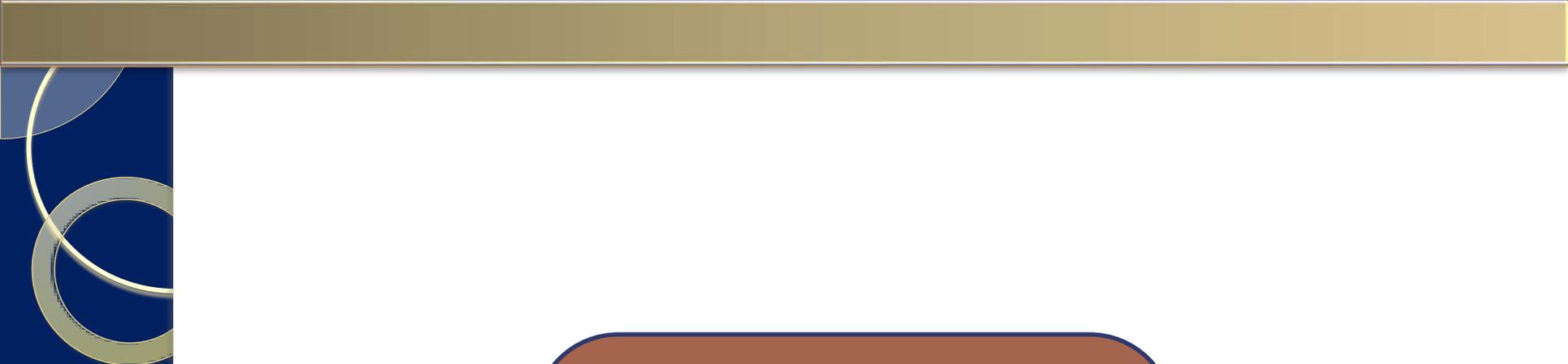


Jason Daniels – Ironworker, Spokane

Source: “Building Washington: Yesterday, Today, and Tomorrow.” The Washington State Building and Construction Trades Council. August, 2006.

What does it Mean to be College-Ready?





Two – year
College

Two-Year College Admission

- WA community and technical colleges are open admission
- Students must take a placement test in math, reading, and writing to pursue a certificate or degree
- Students who do not meet standard on the placement test may have to take remedial classes

Students Benefit from “Some College”

“Some college” means:

1. Minimally, successfully completing two semesters of full-time postsecondary study and
2. Earning an occupational credential (certificate)
 - Medical office specialist, web design , green manufacturing, nursing assistant, paralegal, tribal enterprise management, helicopter, welding, home inspection, horticulture, preschool instructional assistant, machinist, water/wastewater treatment technician, emergency medical technician, etc.

The Tipping Point Research

Building Pathways to Success for Low-Skill Adult Students: Lessons for Community College Policy and Practice from a Longitudinal Student Tracking Study, April 2005

Students Benefit from “Some College”

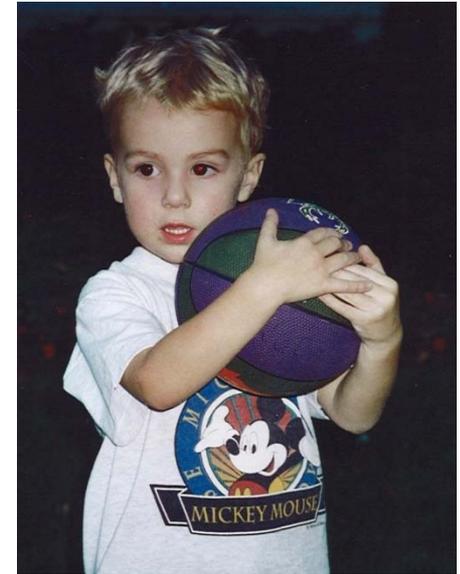
- 1 year of college level credits plus a credential is the **tipping point** for students to find career pathways.
- Jobs that need 1 year college credit + credential are among those in greatest demand
- Credentials increase earnings

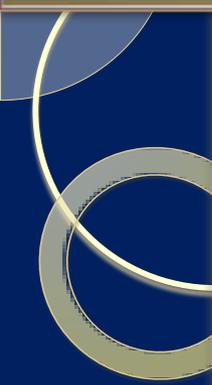
From The “Tipping Point” Research, a study that tracked 35,000 working age adult students who came to CTC’s with high school education or less, or non-English-speaking. WA State Board for Community and Technical Colleges. April 2005

Degree and Certificate Programs—

Two-year
College

- Dental Hygienist
- Nurse
- Information Technology Technician
- Radiologist Tech
- Para Educator
- Paralegal
- Occupational Therapist
- Graphic Artist
- Law Enforcement





Four – year
College

WA Four-year Public College Minimum Admission Requirements

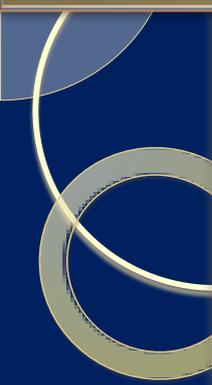
- Complete College Academic Distribution Requirements (CADRs)
- Attain a minimum, non-weighted cumulative GPA of 2.0
- Provide scores from the ACT or SAT tests

Four Year Degree – Gateway to the Professions

Four-year
College

Example Professions

- Medical
- Legal
- Administration
- Engineering
- Business
- Education
- Dental
- Psychology
- Graphic Artist
- Law Enforcement



Military

Military Minimum Admission Requirements

- Earn a high school diploma
- Pass a physical exam
- Pass the Armed Forces Qualification Test

Military Careers

Sample careers:

- Human Resources
- Construction and Engineering
- Information Technology
- Communications
- Administration
- Law Enforcement
- Mechanics

Sample Armed Forces Qualification Test Questions

Military

From the math assessment:

1. $389 + 454 =$

- A. 853
- B. 833
- C. 843
- D. 863

2. 9 is what percent of 36?

- A. 10%
- B. 15%
- C. 20%
- D. 25%

Sample Armed Forces Qualification Test Questions

Military

From the verbal assessment:

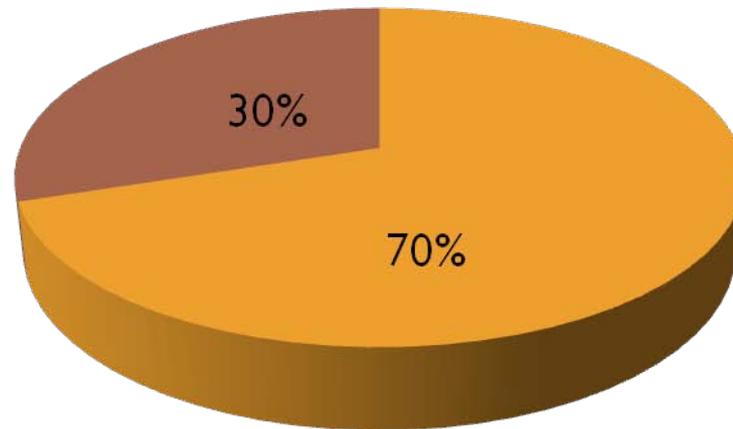
1. Our company policy is that every person is accountable for his or her actions
 - a) Responsible
 - b) Awarded
 - c) Thanked
 - d) Complimented
2. Perseverance nearly means:
 - a) Popular
 - b) Happy
 - c) Persistent
 - d) Modest

Are Our Graduates College \ Career Ready?

Military

Military Preparedness for Graduates Wishing to Join Military

■ Passed the AFQT ■ Failed the AFQT



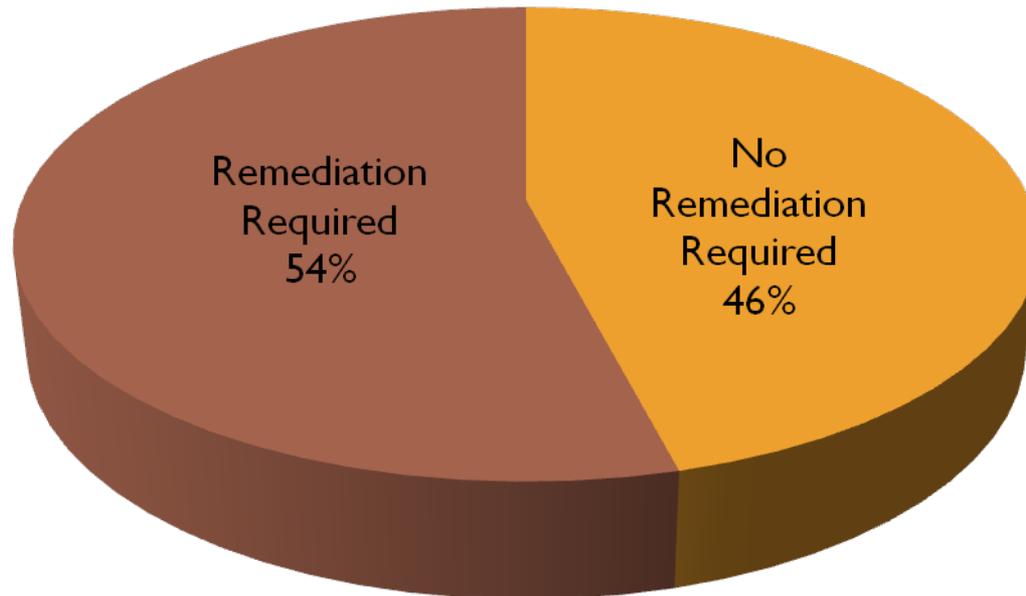
Potential recruits to the armed forces are required to take and pass the Armed Forces Qualification Test (AFQT). This test is designed to assess candidates' math and reading skills.

Source: "Ready, Willing, and Unable to Serve." Mission: Readiness. 2009.

Are Our Graduates College \ Career Ready?

Two-year
College

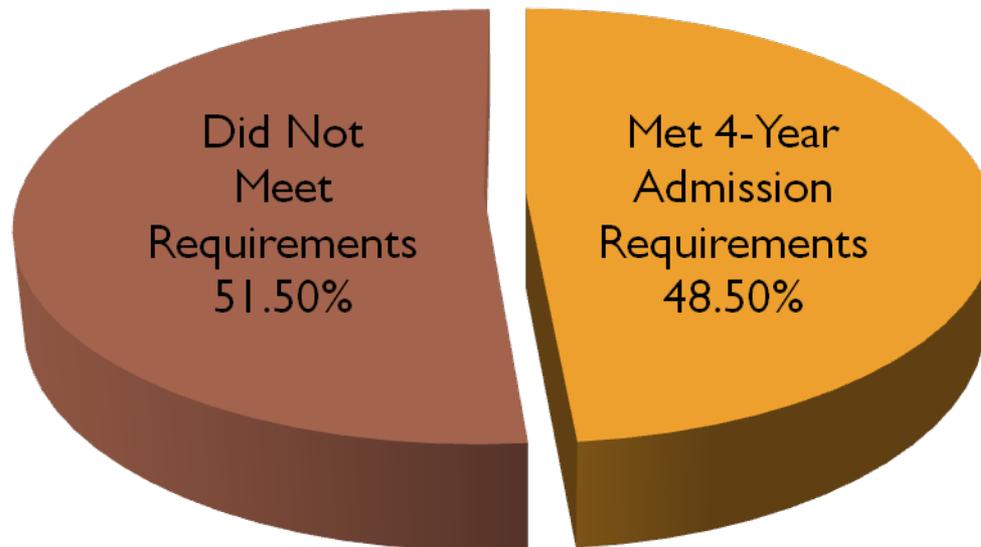
Remediation



Source: SBCTC – Role of pre-college education for recent high school graduates attending Washington community and technical colleges. December 2009.

Are Our Graduates College \ Career Ready?

Four-year
College



Source: State Board of Education Transcript Study of 14,875 graduates from 2008

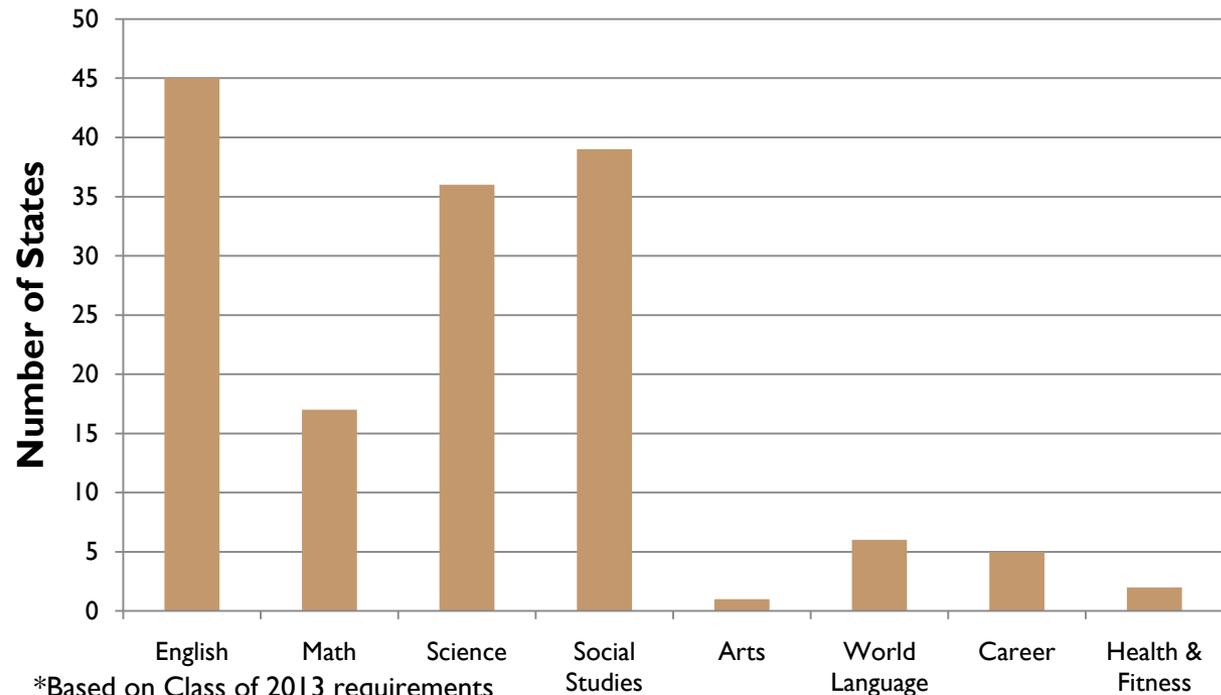
How does Washington Measure Up?

- 46th in nation in a student's chance for college by age 19 (assumes direct from high school)
- 22nd in nation in state success indicators leading to education beyond high school, full-time work, and a living wage
- 37th in nation in high school graduation rate
- 42nd in nation in college participation rates for students from low-income families

Sources: National Center for Higher Education Policy-making and Analysis (NCHEMS), 2008; Postsecondary Education Opportunity, #206, August 2009; Editorial Projects in Education Research Center Chance-for-Success Index and K-12 Achievement Index, Washington Highlights 2010

Are Our State-mandated Graduation Credit Requirements Sufficient?

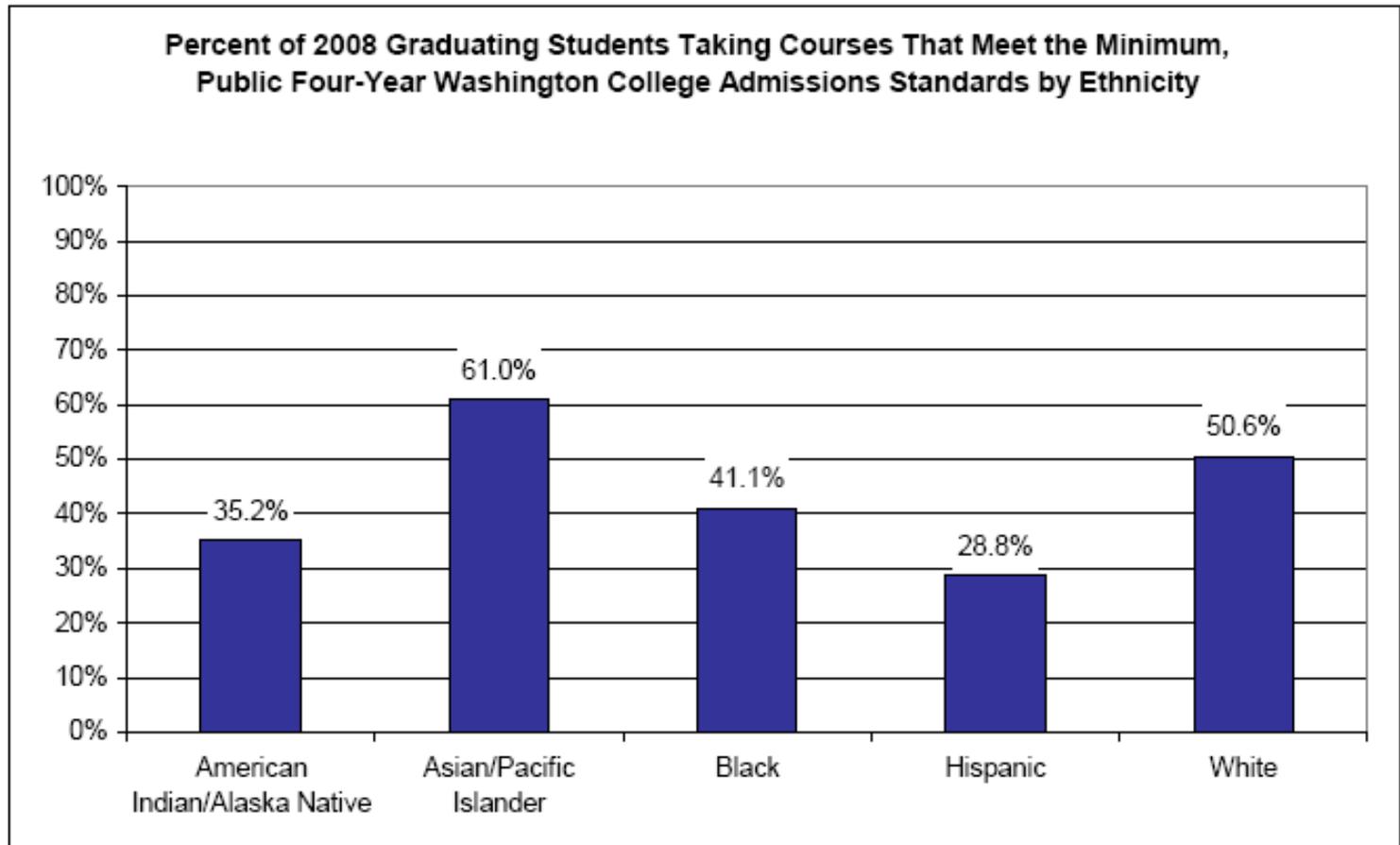
States That Require More Credits to Graduate than WA*, by Subject Area



Do Our State Graduation Requirements Meet Minimum Washington 4-year Public College Admission Requirements?

Subject	2013 State-mandated minimum credits to graduate from high school	2013 HECEB-mandated minimum four-year public college admission requirements
English	3	4
Math	3	3-4 (requires Algebra II)
Science	2 (1 lab)	2-3 (2 labs)
Social Studies	2.5	3
Arts	1	1
World Language	0	2
Health & Fitness	2	0
Occupational Educ	1	0
Electives	5.5	0
Total	20	15-16

Are All Students Equally Prepared?



Source: The BERG Group, December 2008. Washington State Board of Education Transcript Study. Based on a random sample of 14,875 2008 Washington public high school graduates

Core 24

Credit Framework

Core 24

College and Career Ready

ENGLISH



MATH



SCIENCE
(2 labs)



SOCIAL STUDIES



ARTS



FITNESS



HEALTH



Students should take math their senior year if following the college and career-ready pathway.

One Diploma -- Three Choices

Students will enroll automatically in Core 24's college + career ready requirements.

All students will take Core 24's strong foundation of core subjects.

Students will have the flexibility to choose an emphasis based on their High School and Beyond Plan.

Students will also complete a culminating project to earn a diploma.

College Emphasis

CAREER CONCENTRATION



WORLD LANGUAGE



ELECTIVES



College and Career Ready



Career Emphasis



NOTE: The Core 24 Implementation Task Force (ITF) will recommend a definition of career concentration to the Board in the spring of 2010.

The end result. . . Educated Citizens with Living Wage Jobs

Core 24 Stakeholder Concerns

1. Too many state-mandated credits
 - Not enough local flexibility and control
 - Not enough room for support classes
 - Will keep students from skill centers
 - Difficult for small school districts with limited staff
2. Credits should be allocated differently
 - Arts and career concentration
3. Will increase the achievement gap
4. Confusing
5. Funding: Need resources for staff, facilities, guidance

Core 24 Implementation Task Force Recommendations (not in rule!!)_(1 of 3)

1. 6-year phase-in, beginning in middle school
2. Two-for-One Policy (earn 1 credit, meet two requirements)
3. Local waiver of up to 2 requirements
4. Redefine “credit” in WAC to eliminate time-based definition
5. Allow students who meet standard on state-approved end-of-course assessments to earn credit for the associated course

Core 24 ITF Recommendations (2 of 3)

6. Define career concentration as 3 credits, including one occupational education, that prepare students for postsecondary education and careers related to the course of study in their high school and beyond plan.
7. Advocate for resources to assist struggling students with credit recovery.
8. Begin High School and Beyond Plan in middle school and focus on exploring students' options and interests.

Core 24 ITF Recommendations (3 of 3)

9. Provide opportunities for students to begin meeting high school graduation requirements in middle school at middle level standards. (Different from earning credit in middle school.)
10. Require all students to enroll in the core 18 credits: English (4), Math (3), Science (3), Social Studies (3), Fitness (1.5), Health (.5), Arts (2), Career Concentration/Occupational Ed (1).

(The Board will receive the ITF report at its May 13-14, 2010 meeting. The report can be found on the home page of the SBE website: <http://www.wbe.wa.gov>).

Next Steps

- May, 2010—State Board of Education (SBE) receives and discusses Core 24 Implementation Task Force recommendations and other stakeholder input
- July, 2010—SBE takes action on Core 24 framework
- Late Summer/Fall 2010—Public Outreach on Core 24 framework approved in July
- September, November 2010—Review and approve draft rule
- 2010/11—Work with Quality Education Council (QEC) to include funding in 2011-2013 biennial ESHB 2261 budget package
- 2011 Legislative Session—Discuss proposed changes with legislature; advocate for funding
- Summer 2011--Finalize rule (assuming legislative approval of funding)

For further information...

This presentation can be found at the SBE website under “Other Materials”:

<http://www.sbe.wa.gov>

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