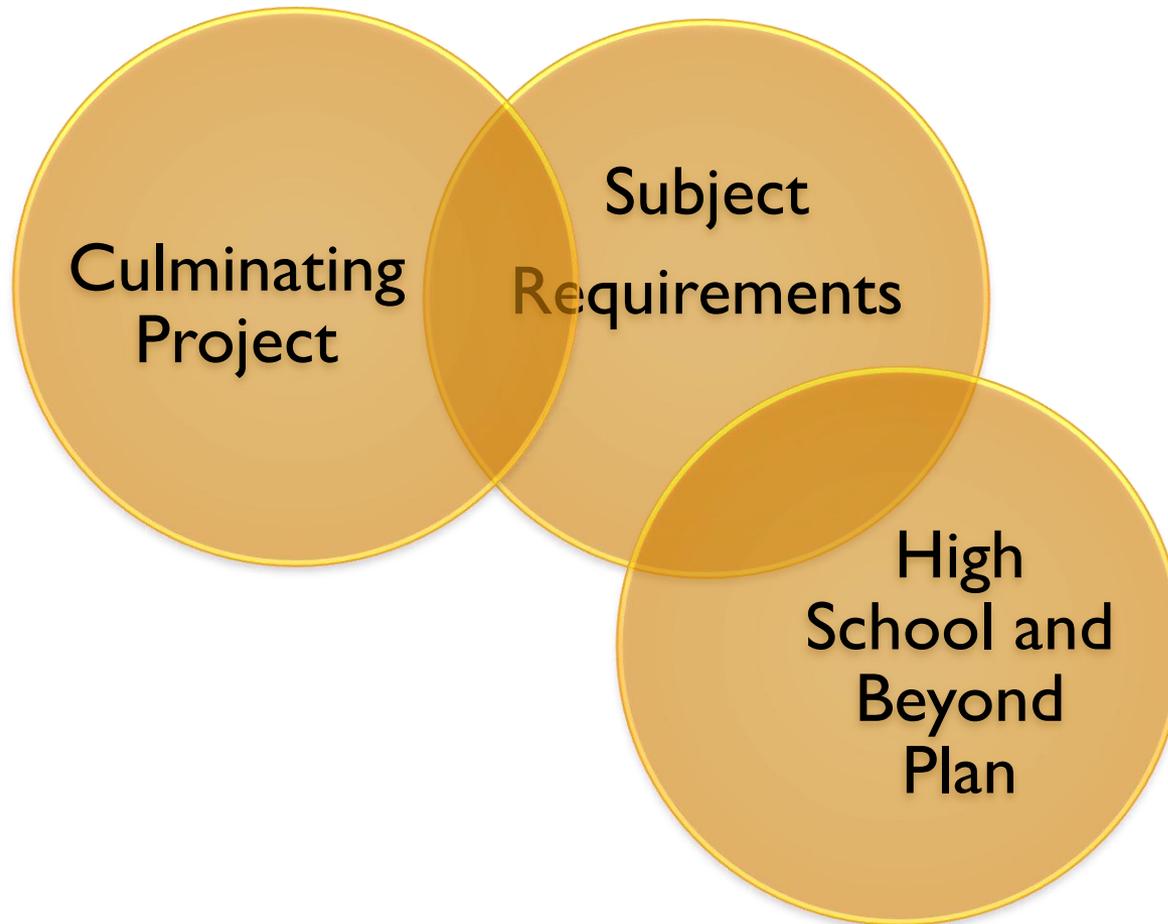




Back to the Future – Graduation Requirements, Revisited

Kathe Taylor, Ph.D., Steve Dal Porto Ed.D., Jack Schuster,
Washington State Board of Education

2008 Core 24 Framework



Reframing the Vision for College \ Career Readiness

From:

To:

- minimum graduation requirements  • essential or core graduation requirements
- high school graduation as an ending  • high school graduation as a beginning
- a K-12 system view  • a P-20 system view

Meaningful High School Diploma

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





CORE 24

What are the 'core' requirements our students need to graduate career/college ready?



The Pace of Change



1985	19 credits, 150 hours per credit Established
2000	Culminating Project and High School & Beyond Plan added; clarification of high school-level standards
2007	Meaningful High School Diploma Committee Begins Work
2008	CP and HSBP become graduation requirements. Board rewrites purpose of a diploma. Board adopts Core 24 framework and adds one math credit.
2009	Core 24 ITF begins work
2010	Core 24 ITF completes work. Board considers ITF recommendations and stakeholder feedback.
2011	<i>The Board adopts new graduation requirements rules. Legislature appropriates funding necessary for graduation requirements.</i>
2016/2017	<i>Graduation requirements go into effect for class of 2016 or 2017.</i>

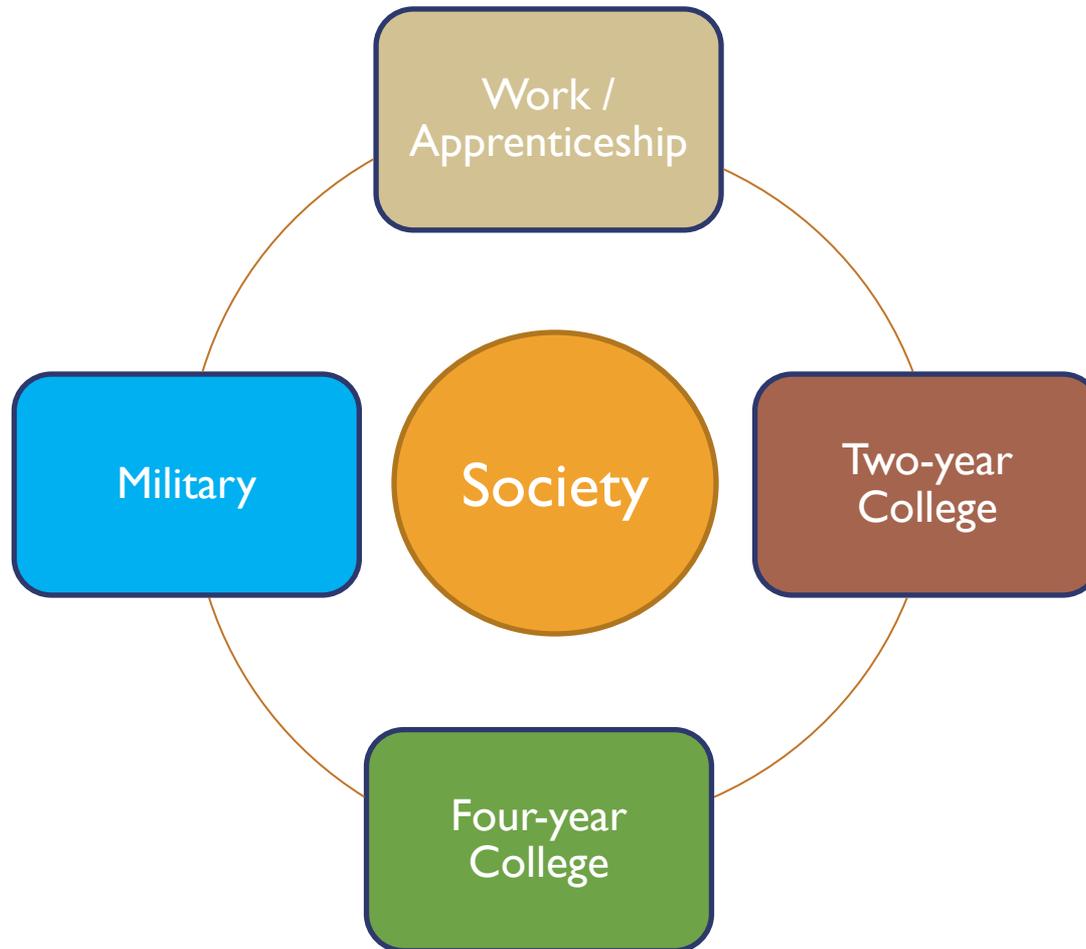
Who's At Stake

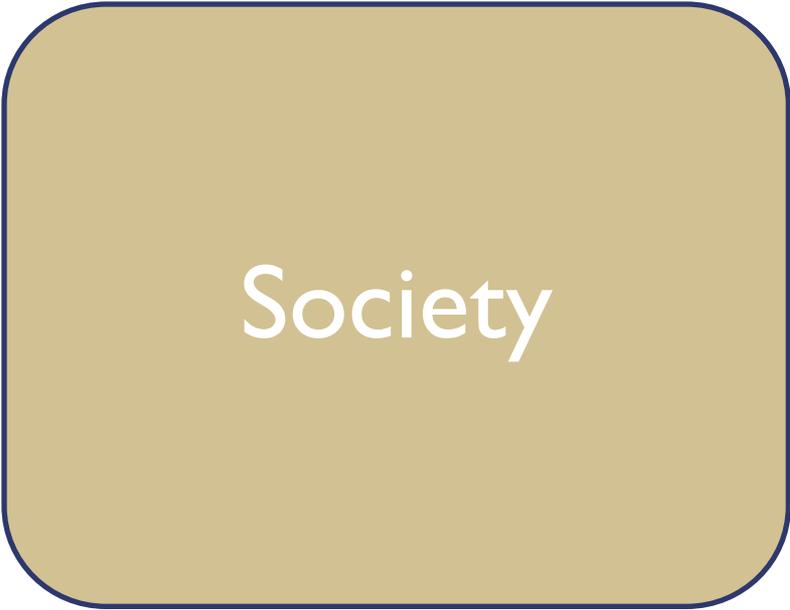


What's in Store...



The Places They'll Go





Society

Knowledgeable and Participating Members of a Democracy

**Engineers Hope to
Cap Gulf Spill**

**Olympia to buy finished art for
inside of City Hall, rather than
commission art**

**Mayor
Bloomberg
defends NY
Trial for
Times Square
Bomber**

**NEW LOOK AT OBESITY PREVENTION POLICIES IN SCHOOLS
REVEALS GREATER NEED TO ADDRESS ADOLESCENTS**

**High School
Students
Suspended for
Wearing US Flag**

**Packing Tetrahedrons,
and Closing In on a
Perfect Fit**



Work / Apprenticeship

Careers on the Fast Track

Massage Therapist, Chef, Graphic Artist, Electrician,
Journeyman Welder, Medical and Legal Assistant, Carpenter

What does it mean to be career ready?

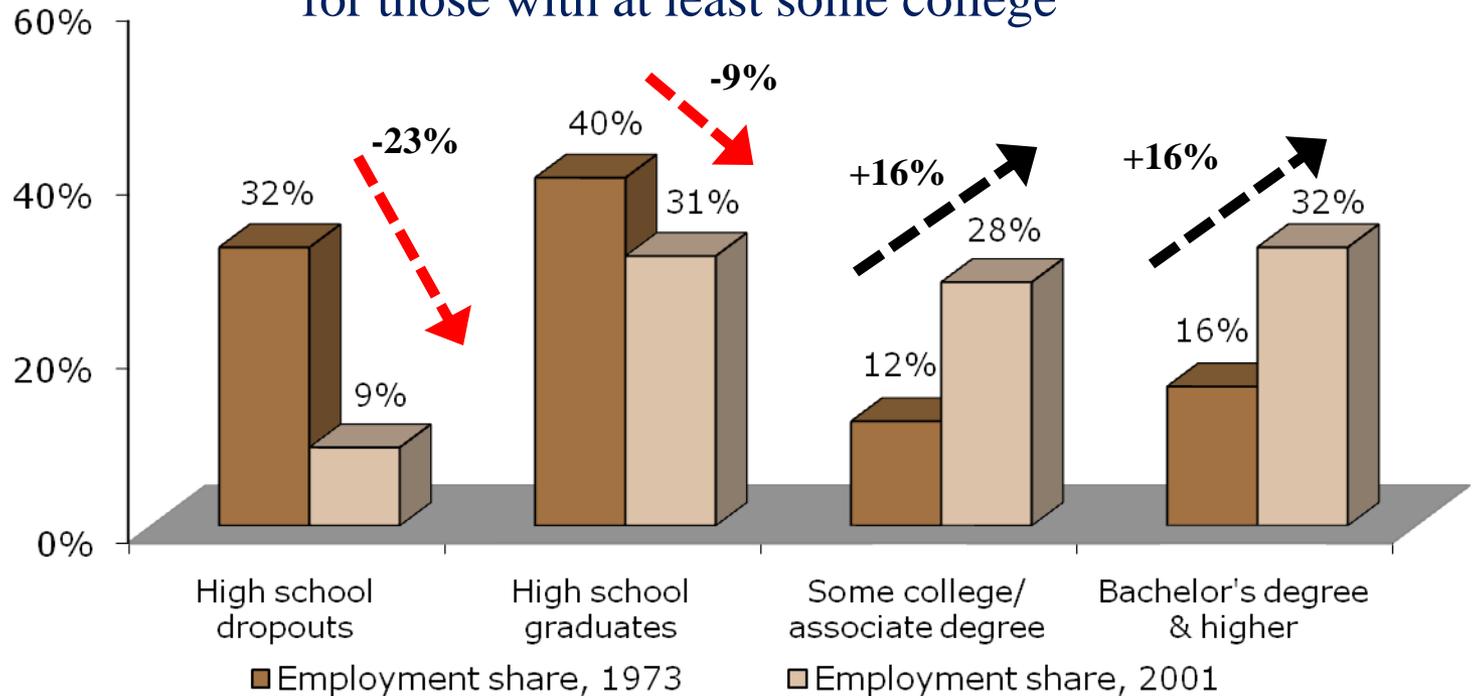
Work /
Apprenticeship



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

Changing Job Market

Fewer jobs for those with only a high school diploma and more jobs for those with at least some college



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

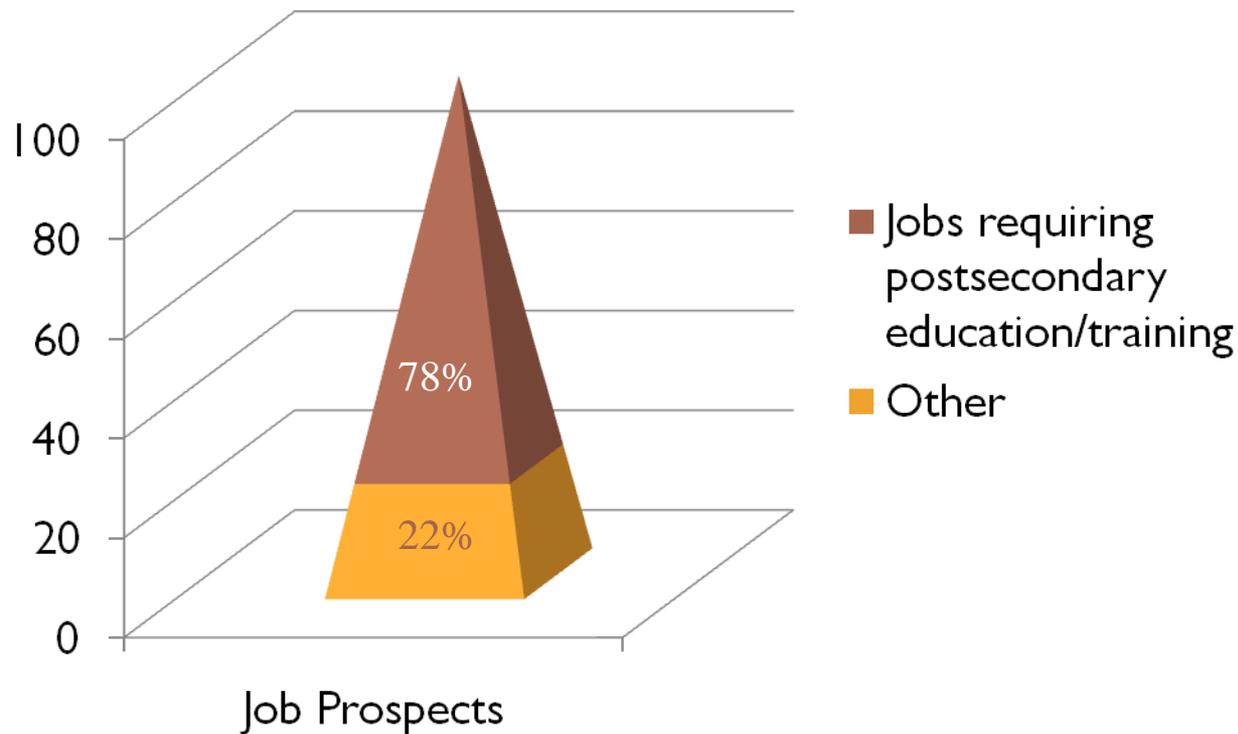
Students Benefit from “Some College”

- 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 + an occupational credential (certificate) 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

Projected Employment Shares by Occupational Skill Level

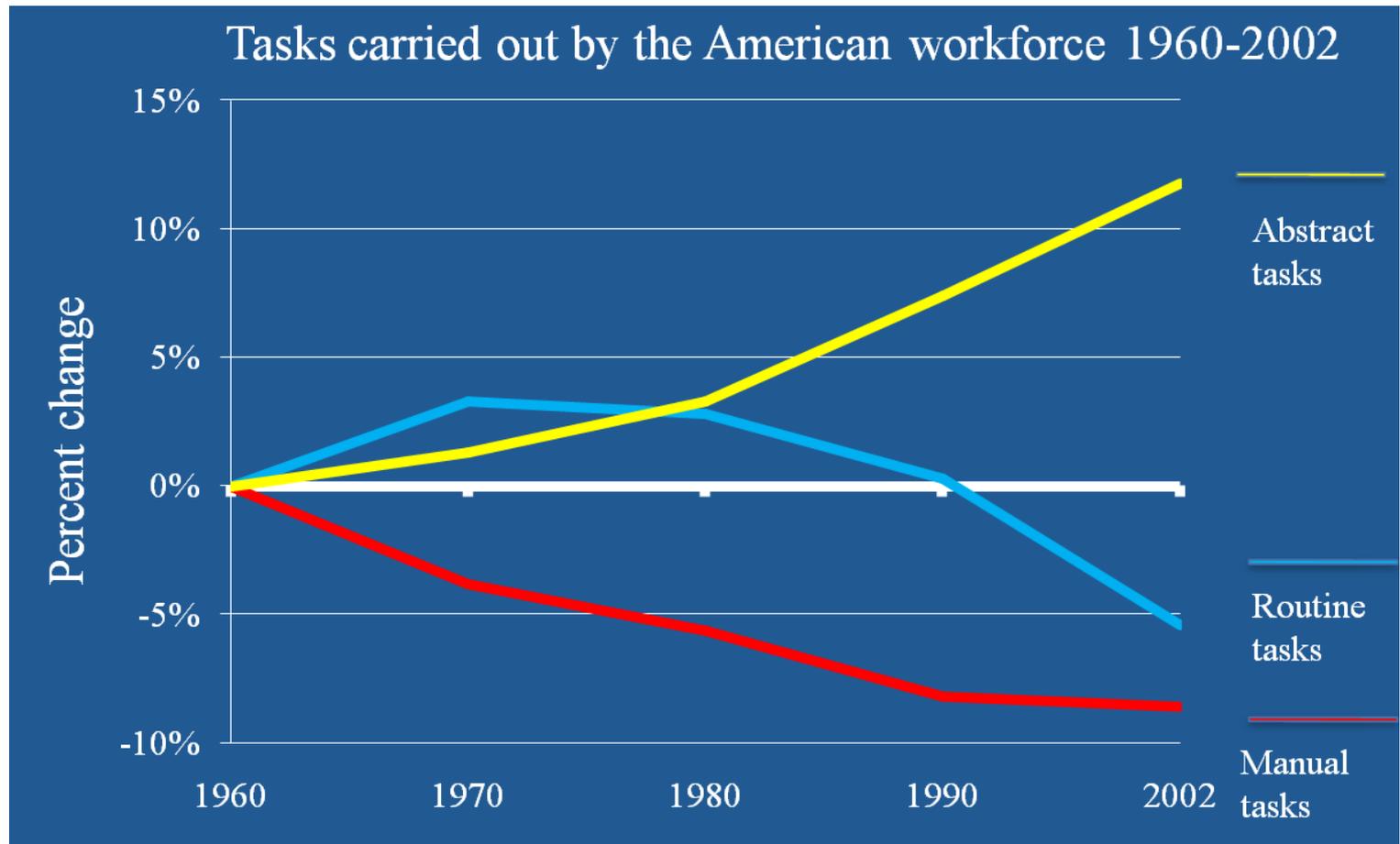
Work /
Apprenticeship



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

21st Century Jobs Skills

Work /
Apprenticeship



Source: Autor, Levy, and Murnane 2003

The Journey of a Journeyman/woman

?? What trade requires...

- At minimum a GED, but more likely diploma and good grades. REALLY good. (280 on waiting list—April 2010.) GED applicants are also accepted.
- Algebra, geometry, trigonometry; science
- Good vocabulary and oral communication skills
- Trade-related experience (computer-assisted drafting, welding skills, blueprint reading/drawing)
- Physical fitness

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

The Journey of a Journeyman/woman

What trade requires...

- An application and 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
- A four-hour written exam for licensure

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

Got a guess?

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

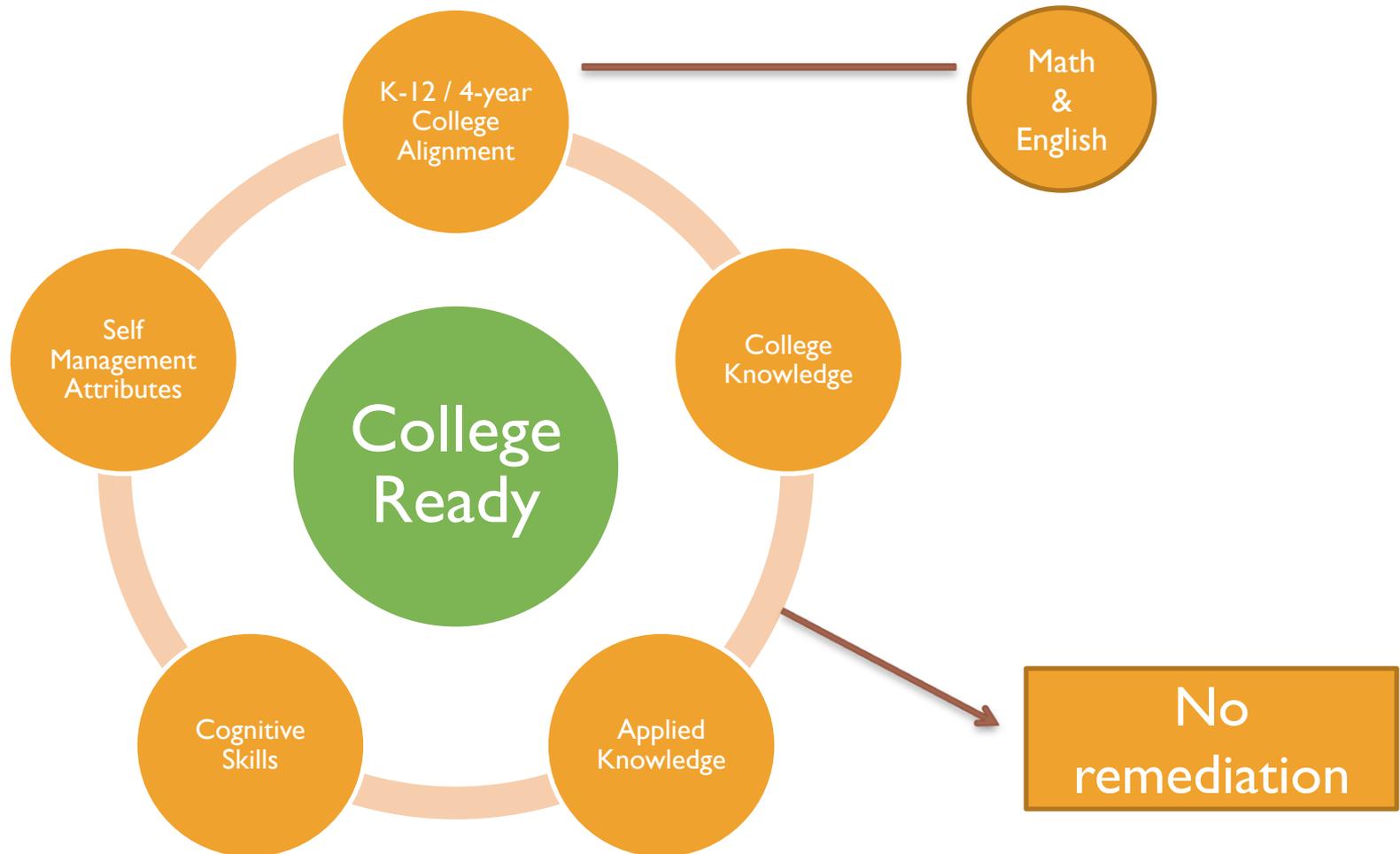
Source: “Building Washington: Yesterday, Today, and Tomorrow.” The Washington State Building and Construction Trades Council. August, 2006.



Two – year
College

Four – year
College

What does it Mean to be College-Ready?





Two – year College

The Rise of Middle Skill Jobs

Certified Nursing Assistant, Dental Hygienist, Court Reporters and Paralegals, Machinist, Heavy Equipment Technician, Information Technology Technician

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



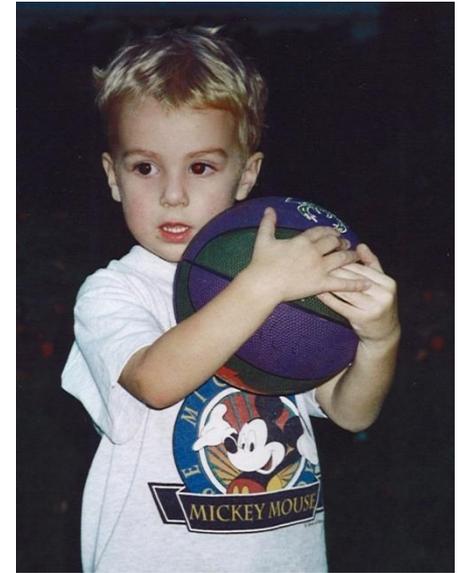
Four – year College

Gateway to the Professions

Environmental Lawyer, Aerospace Engineer, Orthodontist,
Architect, Archeologist, Entrepreneur, Certified Public
Accountant, Marine Biologist

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





Military

Real World Career Training

Supply and Logistics Manager, Combat Correspondent,
Public Affairs Officer, Flight Engineer, Pilot, Emergency
Management Specialist, Marine Engine Mechanic, Food
Services Manager

Military Minimum Admission Requirements

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

Sample Armed Forces Qualification Test Questions

Military

From the assessment:

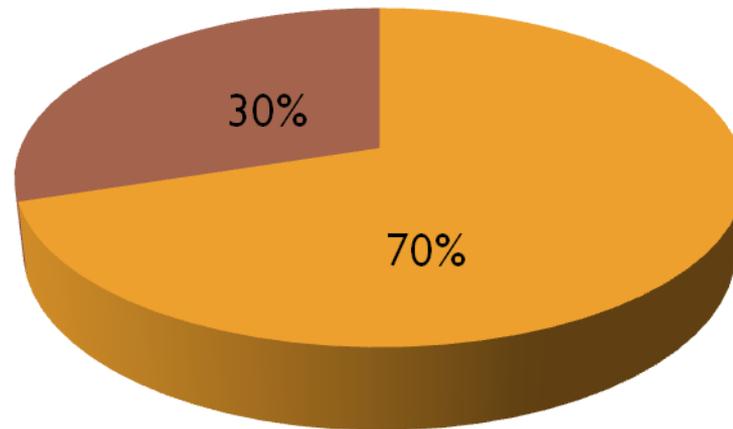
- I. $389 + 454 =$
 - A. 853
 - B. 833
 - C. 843
 - D. 863
2. Our company policy is that every person is accountable for his or her actions
 - a) Responsible
 - b) Awarded
 - c) Thanked
 - d) Complimented

Are Our Graduates College \ Career Ready?

Military

Military Preparedness for Graduates Wishing to Join Military

■ Passed the AFQT ■ Failed the AFQT



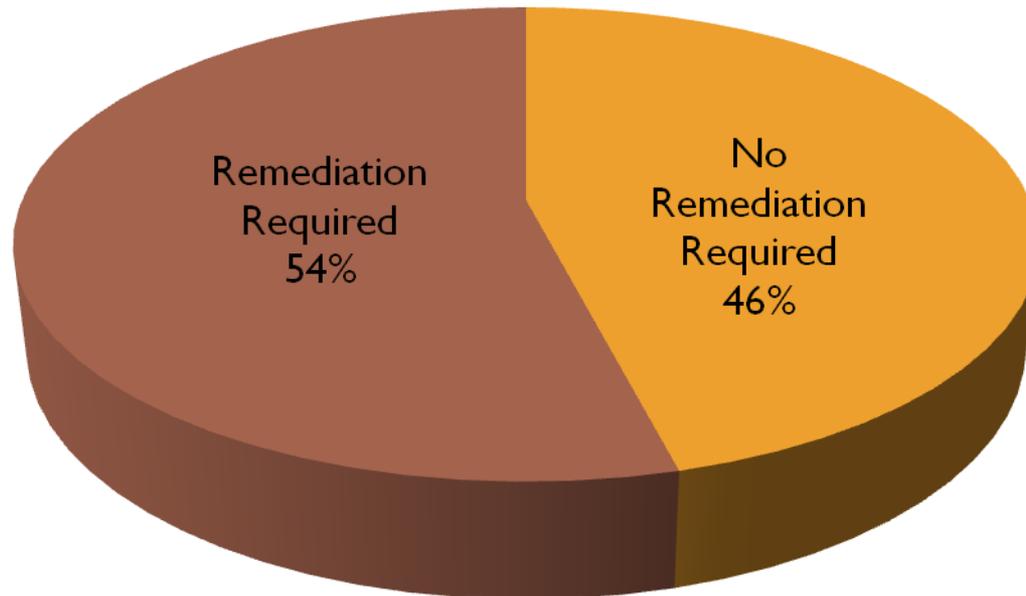
Potential recruits to the armed forces are required to take and pass the Armed Forces Qualification Test (AFQT). This test is designed to assess candidates' math and reading skills.

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

Are Our Graduates College \ Career Ready?

Two-year
College

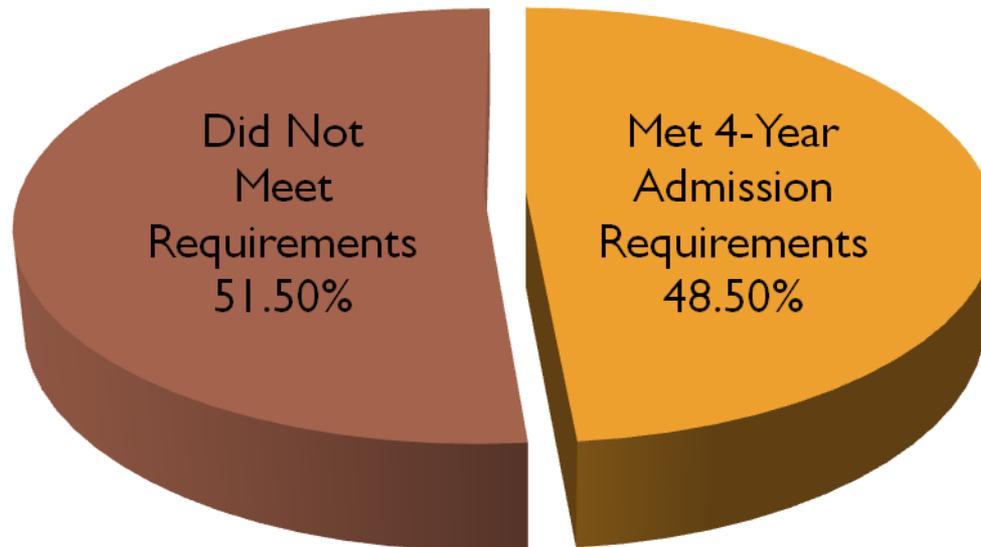
Remediation



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

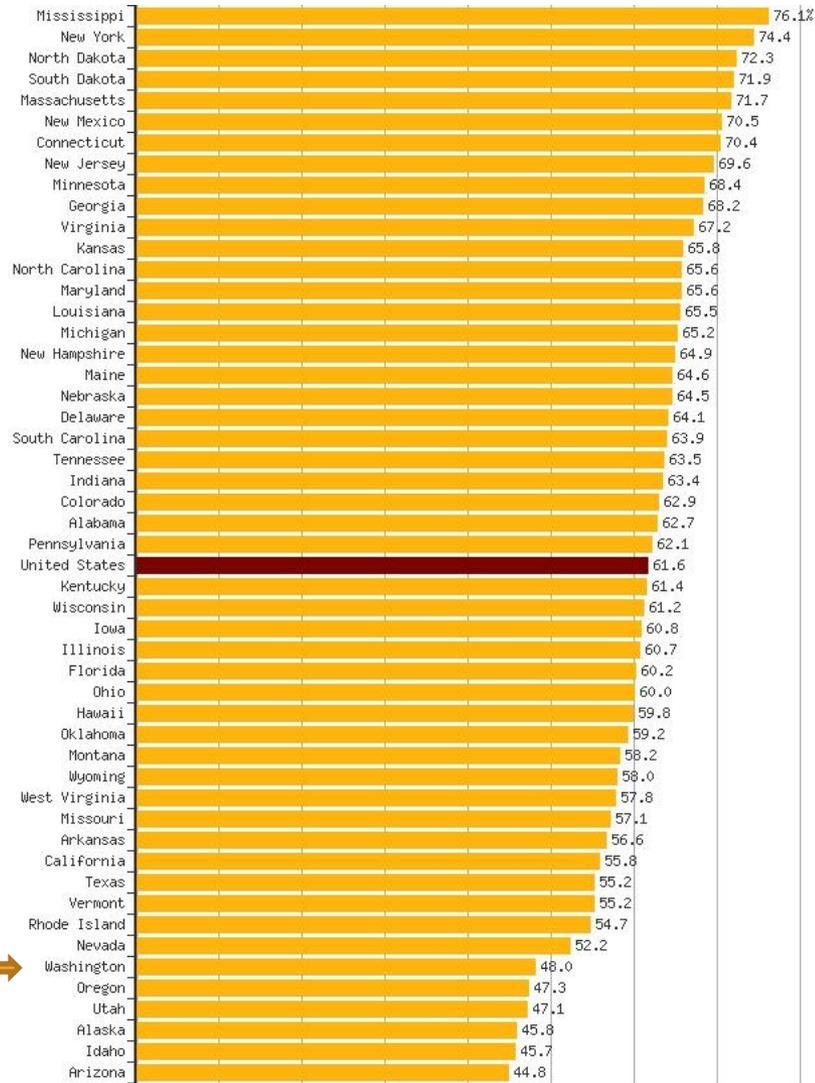
Are Our Graduates College \ Career Ready?

Four-year
College



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

Chance of college by age nineteen



46th in nation



Source: Tom Mortenson, Postsecondary Opportunity

Source: NCHEMS Information Center for Higher Education Policymaking and Analysis

How does Washington Measure Up?

- 22nd in nation in state success indicators leading to education beyond high school, full-time work, and a living wage
- 43rd in nation in high school graduation rate
- 42nd in nation in college participation rates for students from low-income families

Sources:; Postsecondary Education Opportunity, #206, August 2009; Editorial Projects in Education Research Center Chance-for-Success Index and K-12 Achievement Index, Washington Highlights 2010

More than 52,000 College Bound Applications

Expected Grad Year	2012	2013	2014	2015
AY 07-08	8	7		
Complete	9,100	6,135		* Includes incomplete applications
AY 08-09	9	8	7*	
Complete	7,101	9,808	11,601	
AY 09-10			8	7
Applied			3,283	6,191
TOTAL	16,201	15,943	14,884	6,191
% of Eligible	58%	56%	50%	20%

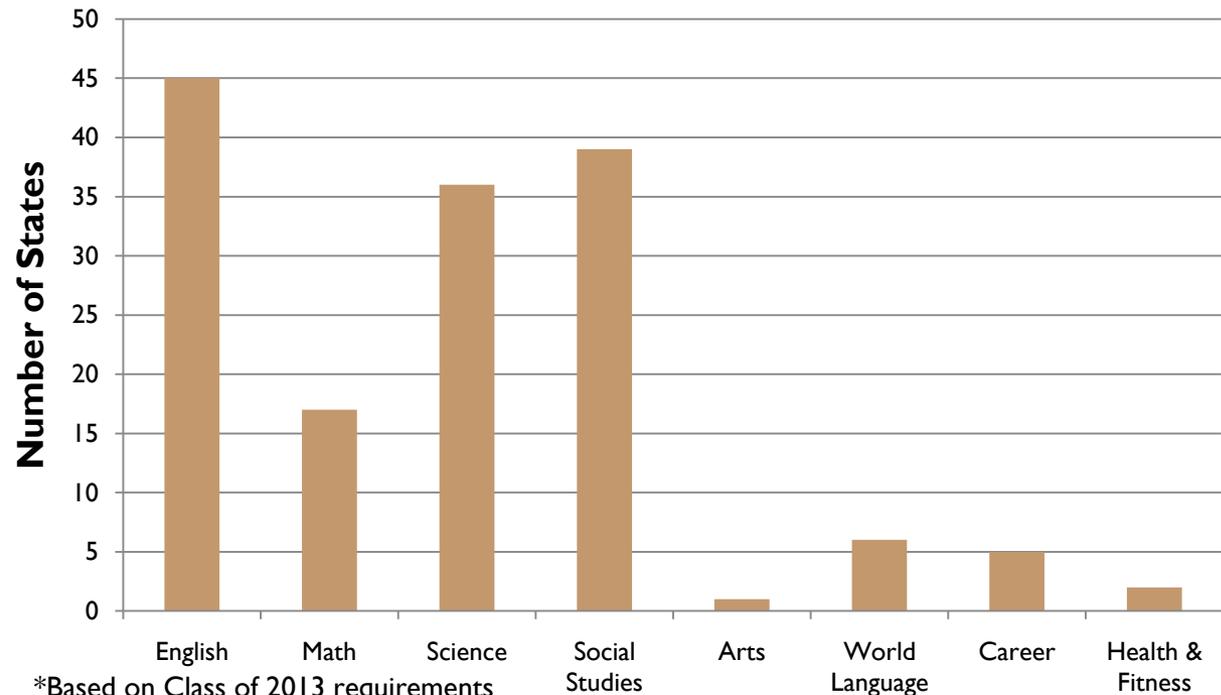
The first cohort of College Bound Scholars was in the 9th grade in 2008-09 and are expected to graduate in 2012. The second cohort was in the 8th grade in 2008-09. For both cohorts, the application deadline was June 30, 2009.

Note: 9th graders in 2008-09 were granted a one-time extension and future application cycles will only be open to 7th and 8th grade classes.

Source: Higher Education Coordinating Board, 2010

Are Our State-mandated Graduation Credit Requirements Sufficient?

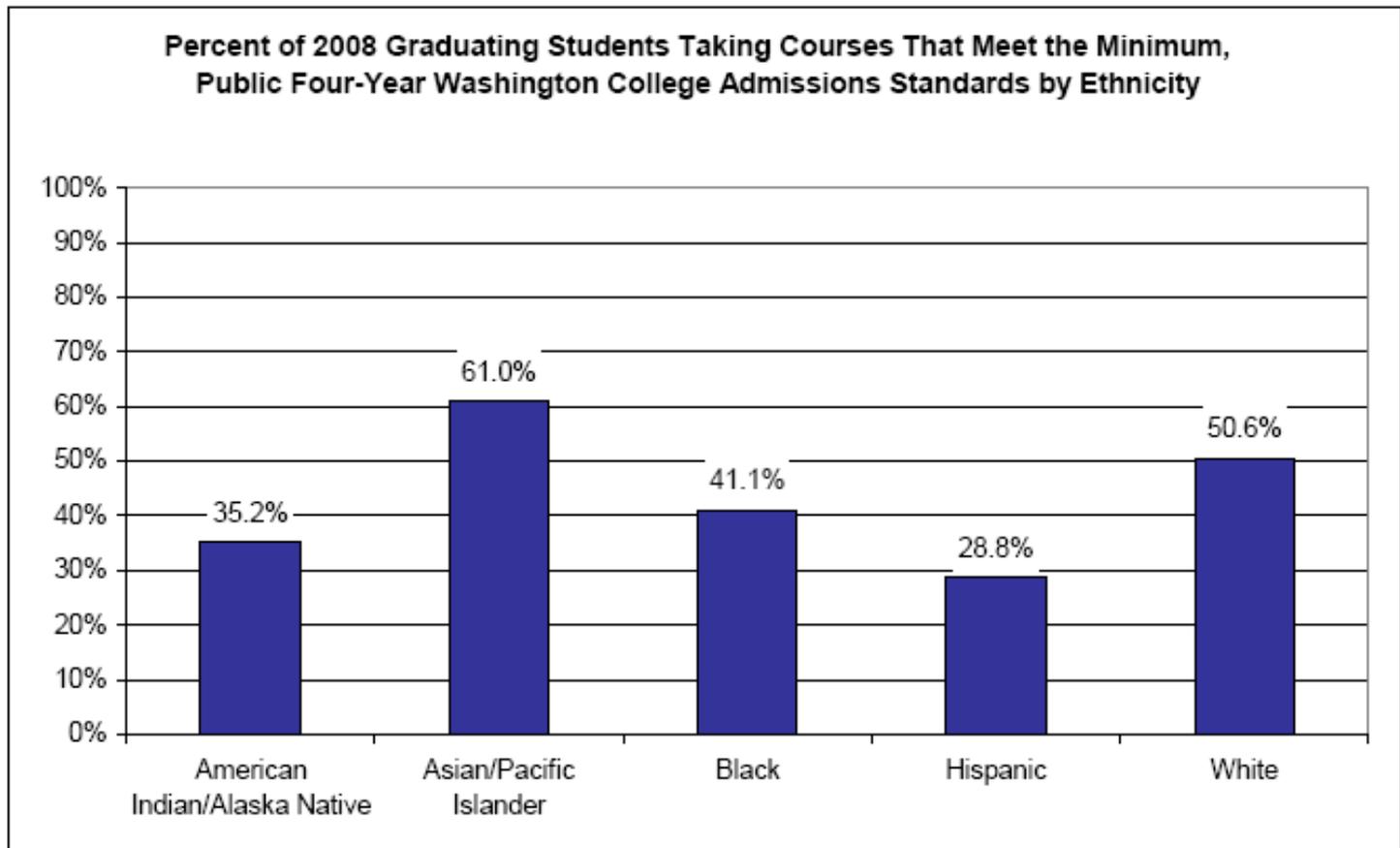
States That Require More Credits to Graduate than WA*, by Subject Area



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	2012 HECEB-mandated minimum four-year public college admission credit 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	0-1
World Language	0	2
Health & Fitness	2	0
Occupational Ed.	1	0
Electives	5.5	0
Total	20	15-16

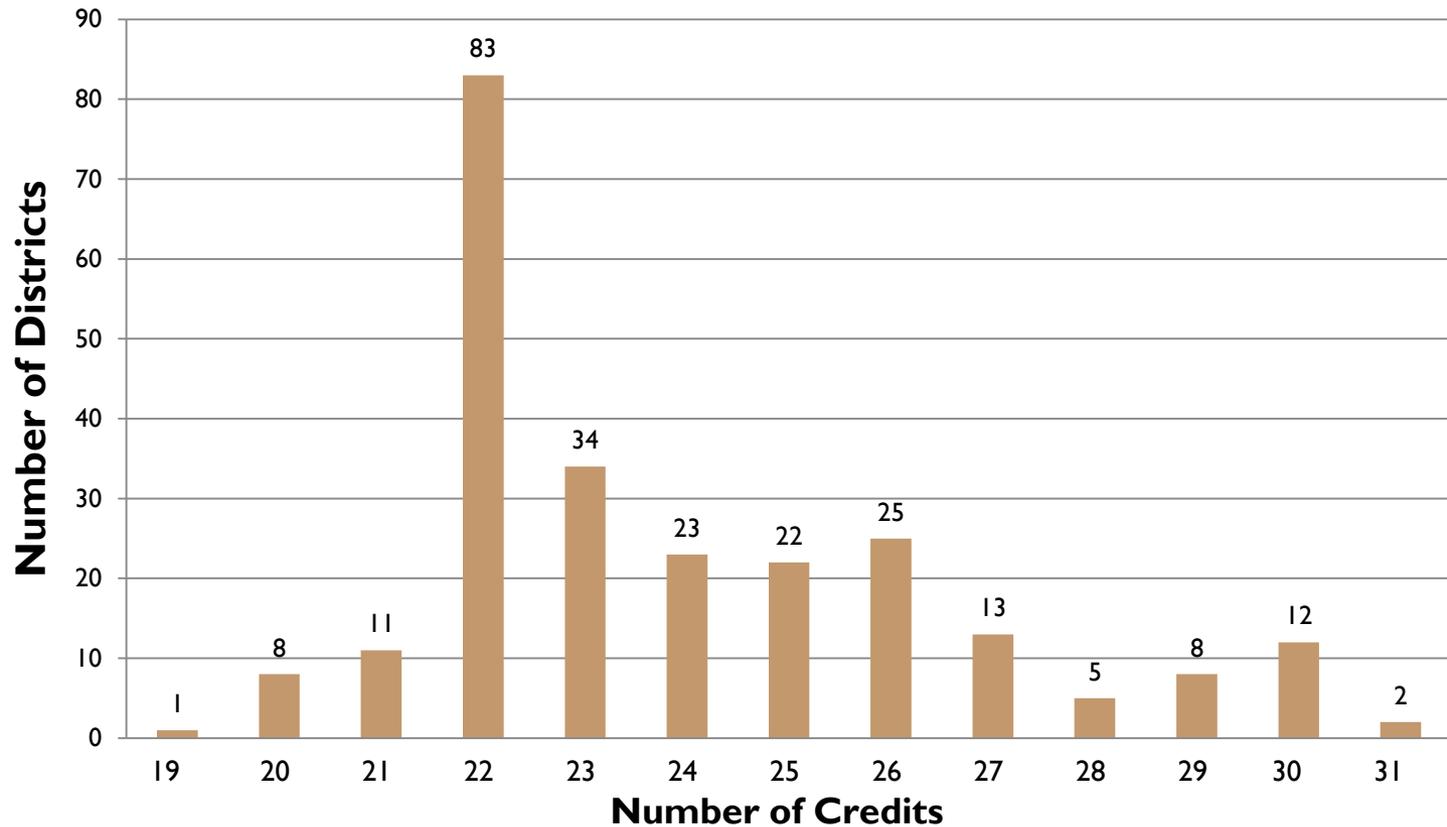
Are All Students Equally Prepared?



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

What are the Current District Credit Requirements?

2009/2010 Washington State District Credit Requirements



Core 24

Credit Framework

Core 24

College and Career Ready

ENGLISH



MATH

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



SCIENCE
(2 labs)



SOCIAL STUDIES



ARTS



FITNESS



HEALTH



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



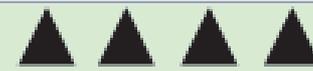
ELECTIVES



College and Career Ready



Career Emphasis



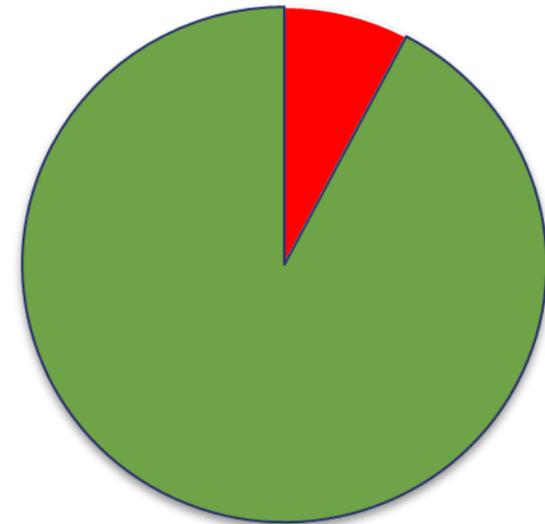
NOTE: The Core 24 Implementation Task Force (ITF) will recommend a definition of career concentration to the Board in the spring of 2010.

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

A Meaningful High School Diploma – One Part of Education Reform

It takes a system to prepare a child:

- Great Teaching & Leadership
- Early Learning Resources
- Data, Assessment, and Evaluation
- Rigorous and Aligned P-13 Standards, Curriculum, & Assessment
- ADEQUATE FUNDING
- Involved Parents
- **A Meaningful High school Diploma**



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>).

Core 24 Stakeholder Concerns

1. Insufficient flexibility due to too many state-mandated credits
 - Not enough room for support/credit recovery classes
 - Leaves less opportunity for local control
 - May 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

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)

The Push Forward



[YouTube](#)

For further information...

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

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

Questions?

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kathe.taylor@k12.wa.us