

How to Ensure Equity and Rigor in Dual Credit and CTE

West Valley Futures

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We only think when we are confronted with problems.

- John Dewey

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Recognition and Awards

- 2013 - WVJH Washington STEM Lighthouse School
- 2013/2014 - College Board AP Honor Roll District
- 2014/2016 - DA Magazine - District of Distinction
- 2015 - NSBA Magna Award Honorable Mention
- 2016 - International Center for Leadership in Education - Innovative District
- 2019 - Ingnite International Girls in STEM - School of the Year

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Professional Memberships/Studies

- 2016-18 - AASA Digital Learning
- 2016 - ZfA German Dual Education System (Berlin and Erfurt)
- 2017-Present - AASA Early Learning Cohort
- 2017-Present - Digital Promise League of Innovative Schools
- 2017 - CEMETS - Washington State (ETH Zurich, Switzerland)
- 2018-Present - AASA Personalized Learning Cohort
- 2018-Present - District Administration - Leadership Institute
- 2019-Present - AASA Redefining Ready Cohort
- 2019-Present - Futures Institute

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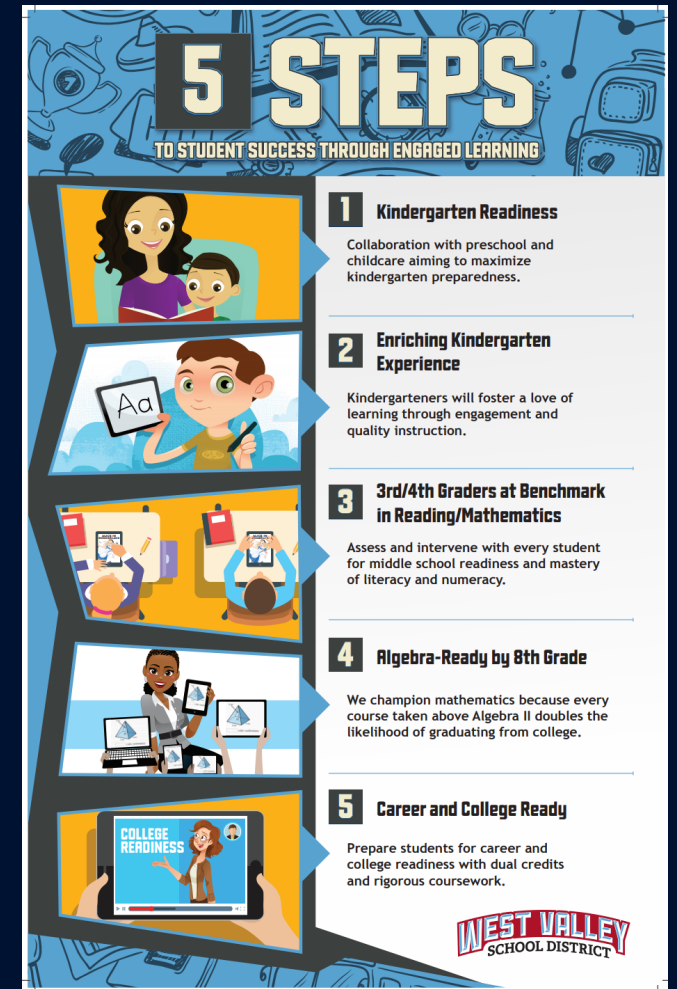
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Five Steps to Student Success

- Kindergarten Readiness -
- Enriching Kindergarten Experience -
- 3rd and 4th Graders to Benchmark -
- Algebra Ready by 8th Grade -
- Career and College Ready -

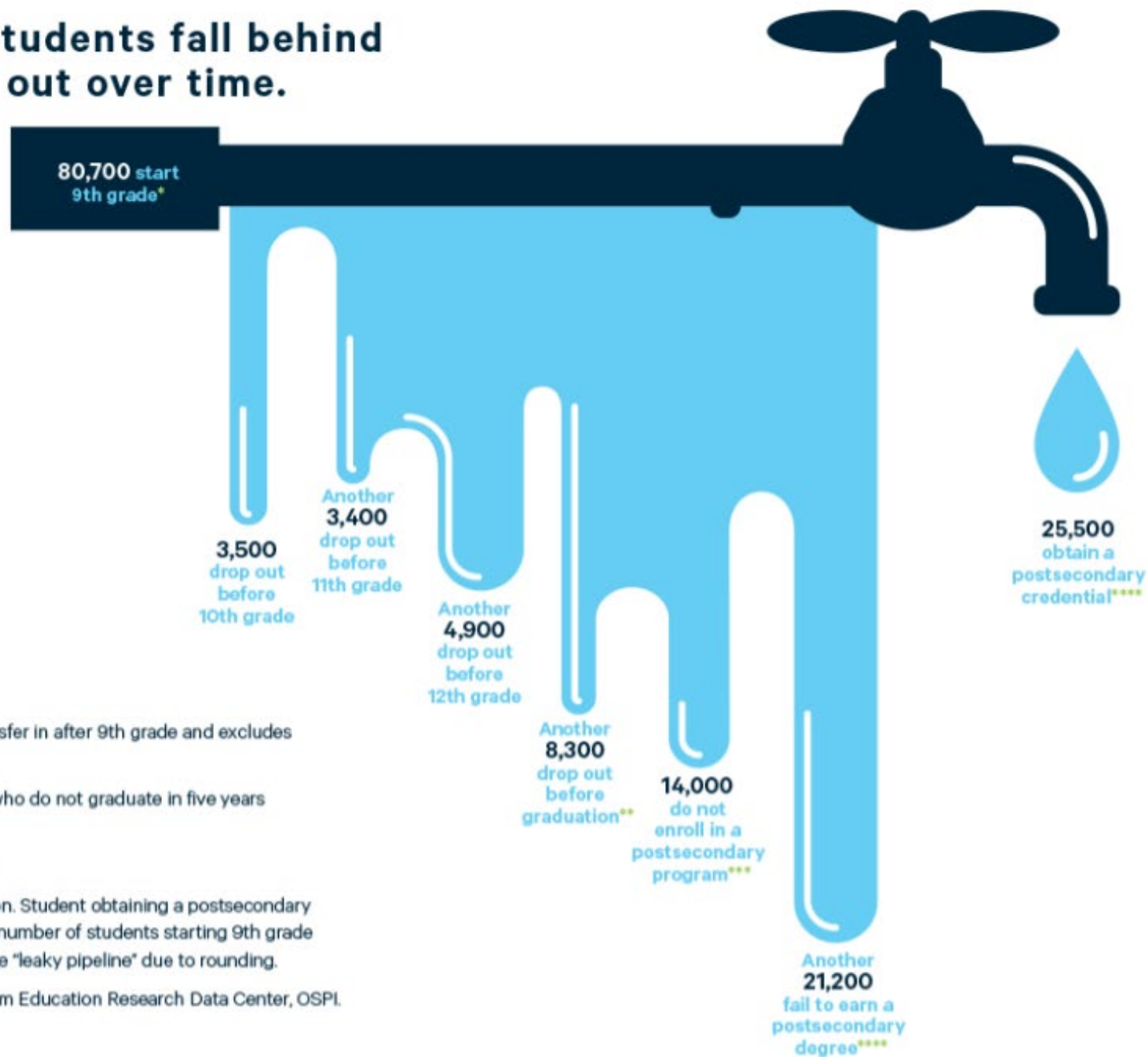


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Washington students fall behind early and fall out over time.



Notes:

* Includes students who transfer in after 9th grade and excludes students who transfer out.

** Estimate counts students who do not graduate in five years as dropouts.

*** Six years after graduation.

**** Seven years after graduation. Student obtaining a postsecondary degree does not equal the number of students starting 9th grade less the students exiting the "leaky pipeline" due to rounding.

Source: Analysis of data from Education Research Data Center, OSPI.

Washington Student Achievement

- 80,700 - 9th Graders who enter high schools
- 25,500 - Will earn a post-secondary credential. - **31%**
- 55,200 - Will not have an adequate credential to enter the workforce. - **69%**

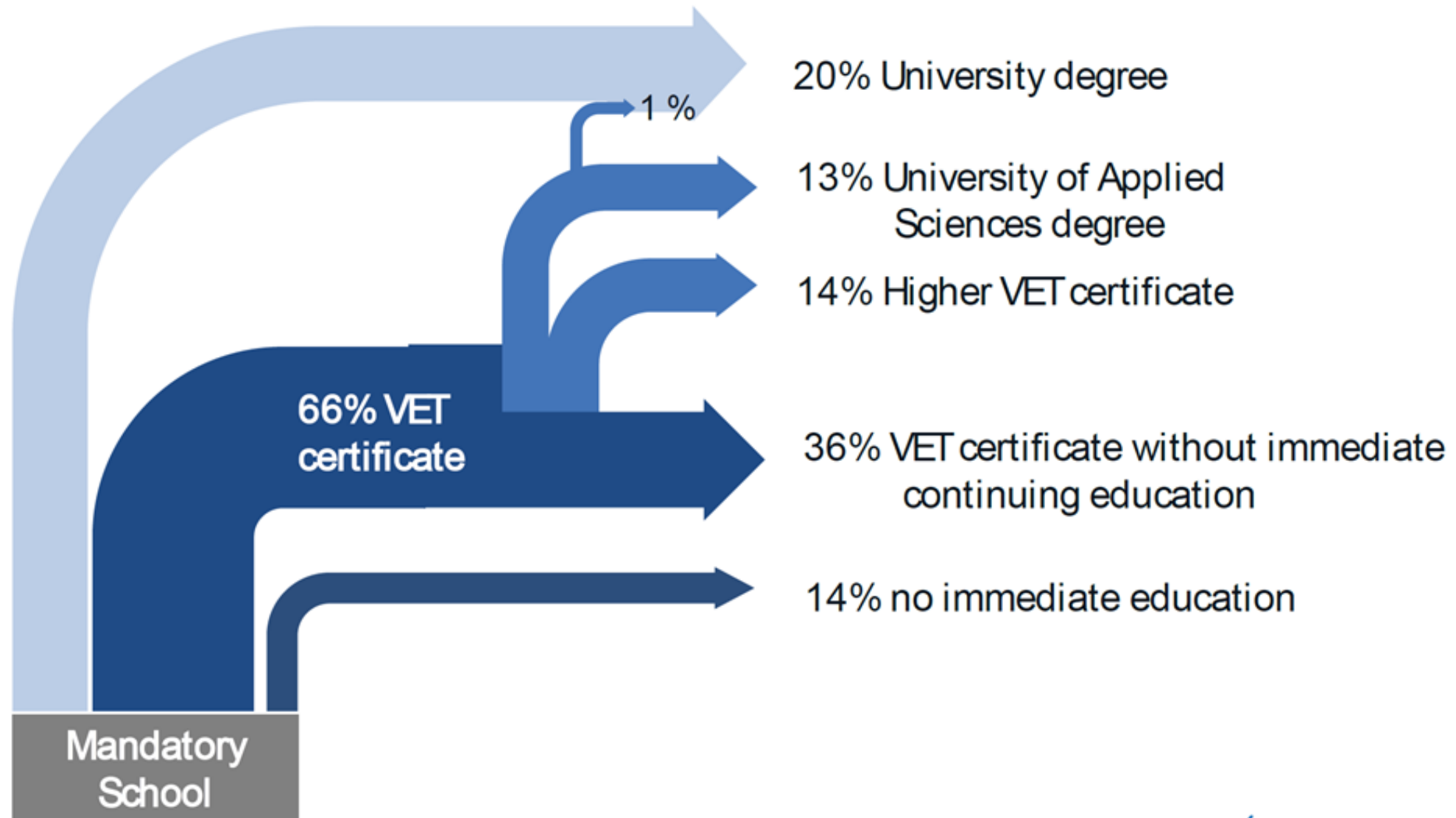
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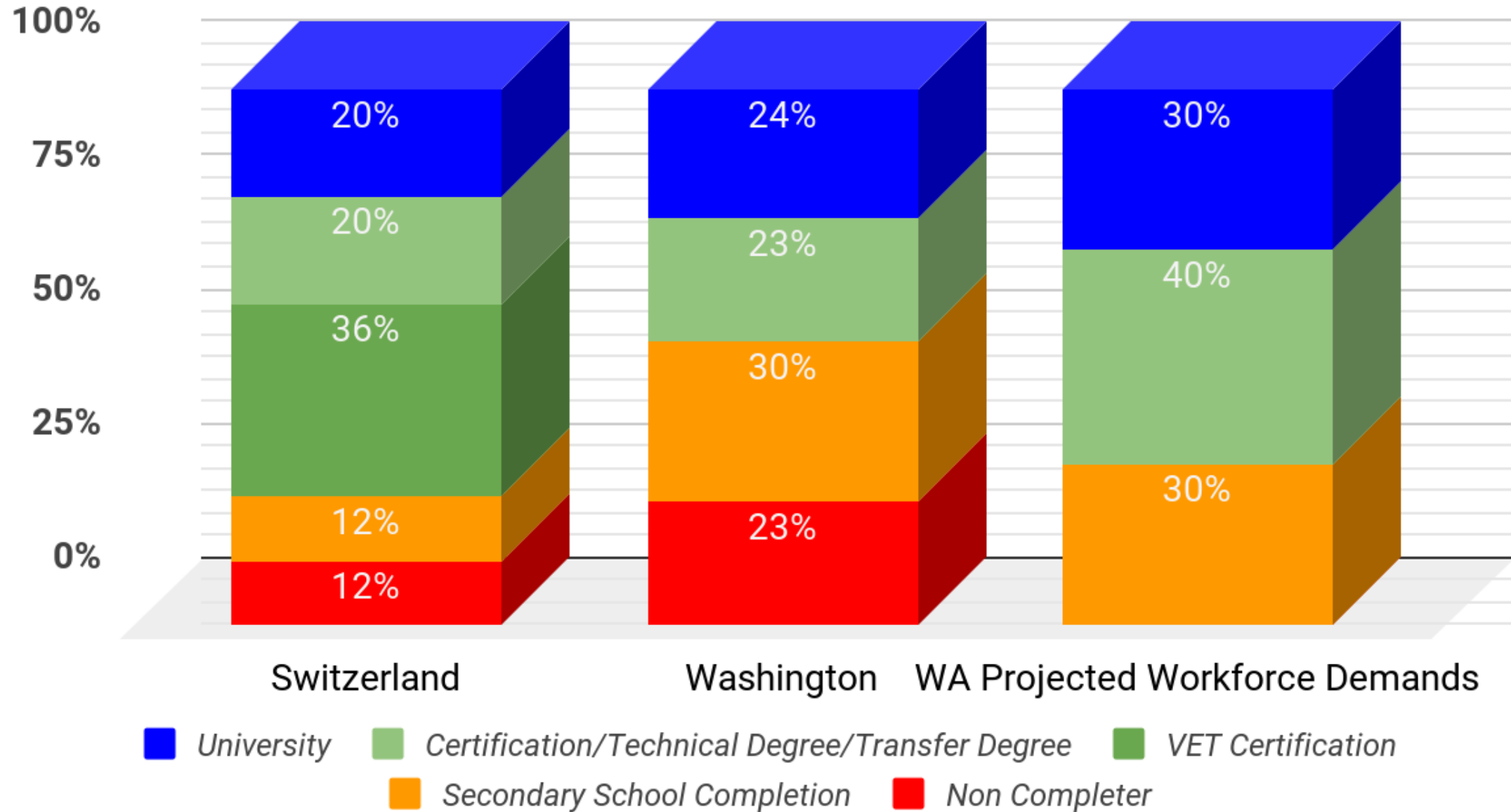
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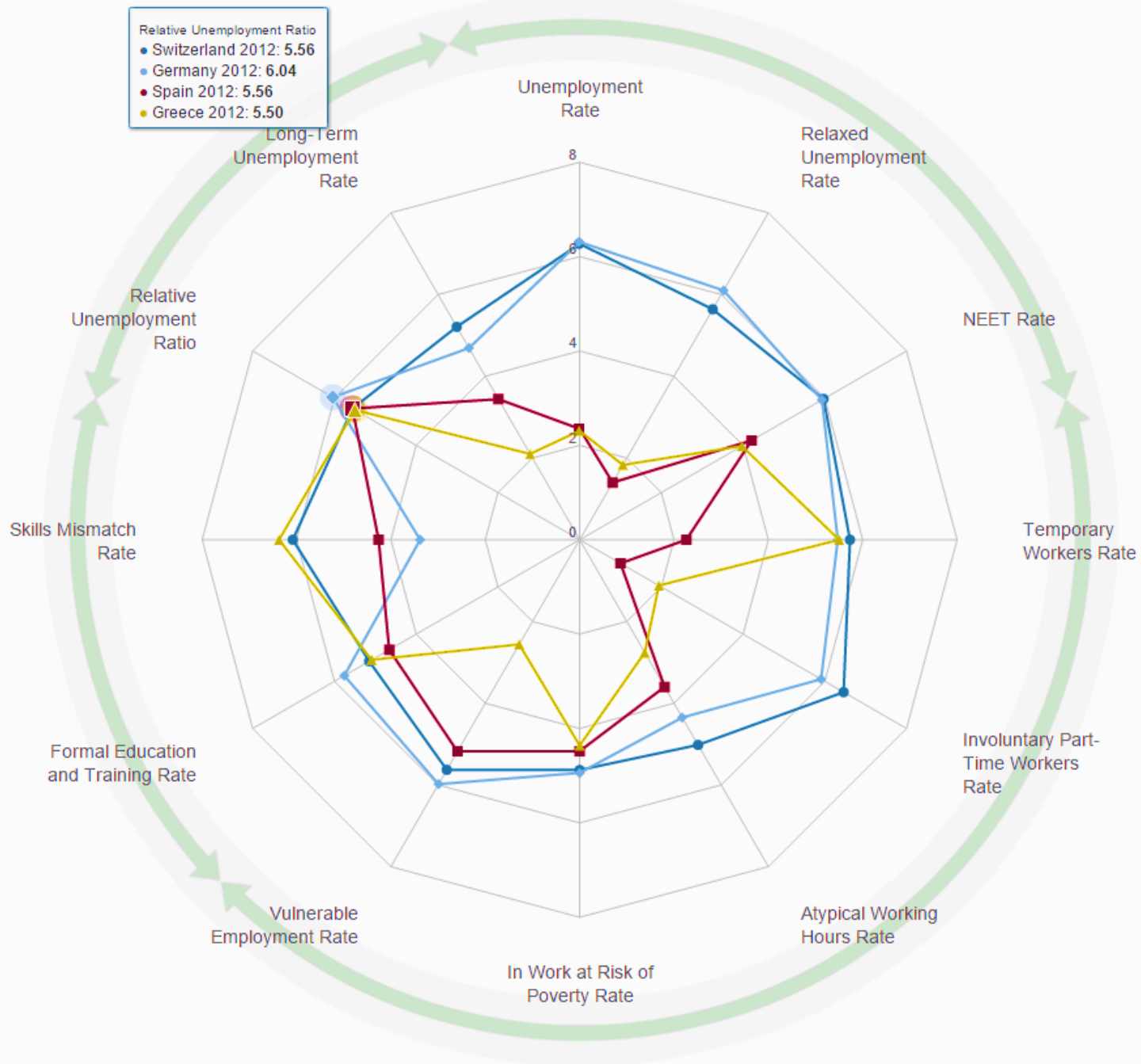
Swiss education system

Current overall education levels / permeability

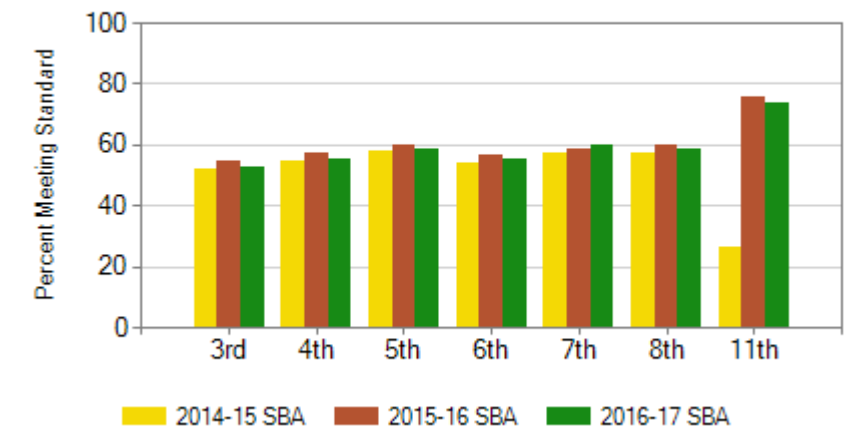


Post Secondary Outcomes and Workforce Demands

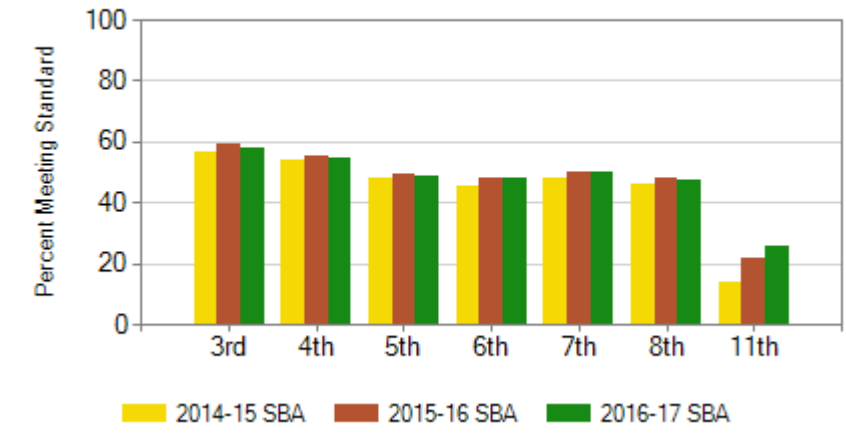




English Language Arts



Math



Other Information (more info)		
Unexcused Absence Rate (2016-17)	3,895	0.7%
Adjusted 4-Year Cohort Graduation Rate (Class of 2016)	315	82.2%
Adjusted 5-year Cohort Graduation Rate (Class of 2015)	303	85.8%
College/University enrollment rates of graduates		

2019-20 Legislative Concerns

Carl Perkins V

CTE Directors

- CTE Concentrator
 - Two Academic Credits
- Indicators of Performance
 - Industry Certification
 - or-
 - CTE Dual Credit - or
 - Work Based Learning
- State Determined Levels or Performance

HB 1599

HS Principals

- CTE Sequence
- Relevant to CTE Postsecondary Pathway
- Core Plus

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If we teach today's students as we taught yesterday's, we rob them of tomorrow.

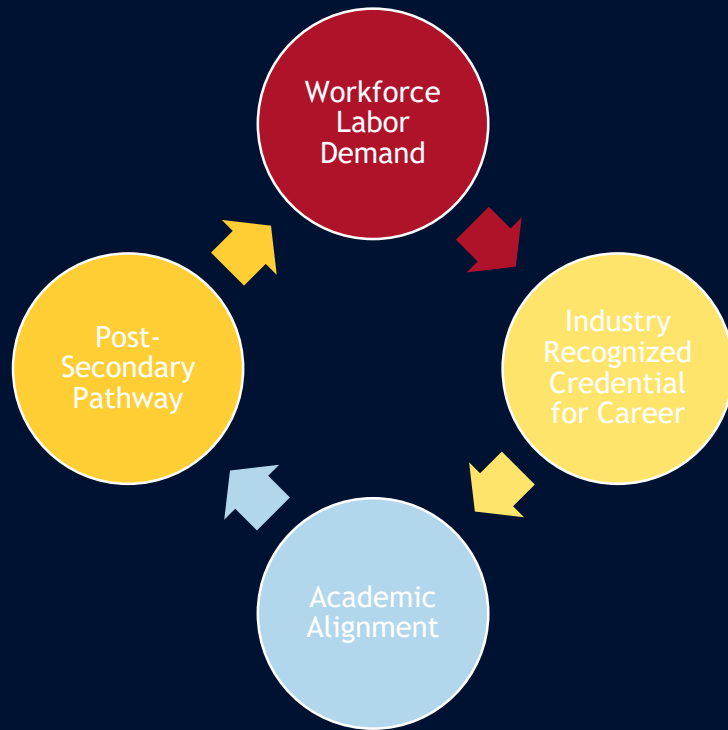
- John Dewey

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- Pathways are Career First built from Economic Labor Data
- All Pathways lead to College Credit or Industry Certification
- Pathways use Equivalency Credit to enable students to meet the Washington CADR (University Entry Requirements) and Graduation Requirements
- All Pathways lead to further education through University, Community College, Technical School, Apprenticeship OR direct connection to employment

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- **EARLY ENGAGEMENT** - Engagement begins in 7th grade with exploratory courses and interest assessments.
- **DEPTH** - All programs of study are a sequence of courses building off of each other. Minimum of two credits.
- **RIGOROUS** - All programs lead to an industry recognized certification and/or college credit.
- **PERMEABLE** - All programs lead to workforce, apprenticeship, AND post-secondary education.
- **REAL WORLD** - All programs include work based or work site learning.

TOP 5 REASONS WHY YOU SHOULD CONSIDER FUTURES PROGRAMS

- 1 All FUTURES programs offer career certifications or college credits that can help you get a job right out of high school and/or get a head start on your college degree.
- 2 All FUTURES classes fulfill at least one high school graduation requirement—several meet more than one.
- 3 Some FUTURES programs offer PAID, on-the-job training.
- 4 All FUTURES programs give you the opportunity to try out a career before investing in college or trade school.
- 5 All FUTURES programs offer hands-on experience that can give you an advantage over others competing for jobs or college placement.

Customize your high school experience & try out a career to help you make important decisions about your future.

SAVE MONEY You can earn college credits for free in high school, helping to reduce potential college debt.

EARN MONEY Get a high-paying job right out of high school, or use that job as a stepping stone to a college degree later.

MACHINING // BUSINESS & MARKETING // EDUCATION // AGRICULTURE // JUNIOR ROTC
CABINETS // ALLIED HEALTH // FIRE SCIENCE // INFORMATION TECHNOLOGY // MEDIA & DESIGN

LEARN MORE FROM YOUR COUNSELOR  **FUTURES WEST VALLEY**

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To find out what one is fitted to do, and to secure an opportunity to do it, is the key to happiness

- John Dewey

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West Valley Futures - EARLY ENGAGEMENT

- Junior High Exploratory Program - 35% CTE STEM
 - 7th Grade
 - Science - **Human Body Systems**
 - Computer Essentials - **MOS Certification**
 - Pre-Engineering - **Boeing Core Plus**
 - 8th Grade
 - Science - **Material Science/Green Energy**
 - Aviation Manufacturing - **Drone Manufacturing**
 - Computer Science - **Microsoft Python Certification**
- Interest Based Course Registration

CCILearning™ Proudly Presents the: The FINAL 2018/2019 Exams Passed as of: June 30, 2019

Washington State MOS Leaderboard Washington's Top Performers:

High School	Total Certs	Middle/ Junior High School	Total Certs
Kamiakin High School	1016	West Valley Jr High (Yakima)	505
Cavelero Mid High School	767	Columbia Junior High School (Fife)	329
Glacier Peak High School	669	Desert Hills Middle School	243
Auburn Mountainview High	558	Horse Heaven Hills Middle School	191
Kalles Junior High	496	Poulsbo Middle School	181
Sedro Woolley Senior High School	481	Chinook Middle School (Kernwick)	178
Kennewick High School	438	Kingston Middle School	162
Snohomish High School	408	Sacajawea Middle School (Spokane)	122
Oakland Bay Junior High School (9th)	364	Lakewood Middle School	112
Ephrata High School	356	Lincoln Middle School (Pullman)	65

Microsoft Office Specialist Microsoft Technology Associate Microsoft Imagine Academy CTE Learning that works for Washington WASHINGTON STATE DEPARTMENT OF PUBLIC INSTRUCTION

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Arriving at one goal is the starting point to another.

- John Dewey

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West Valley Futures - DEPTH

7th Grade

8th Grade

10th Grade

11th Grade

12th Grade

Core Plus:
- Lean Manufacturing
- Auto CAD
- Additive CNC
- Subtractive CNC

Core Plus:
- Material Science

Welding - AWS
- Certified Welder 1
- Certified Welder 2

Manufacturing
Boeing Core Plus

AJAC
Apprenticeship

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West Valley Futures - Manufacturing

- West Valley Junior High - Pre Engineering - Core Plus
 - AutoCad
 - CNC Programming
 - Lean Manufacturing Principles
- West Valley Junior High - 8th Grade Science - Core Plus
 - Material Science

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West Valley Futures - Manufacturing

- West Valley Junior High - **AMPED**
Algebra 1 in Manufacturing Processes, Entrepreneurship, and Design
 - Team Taught
 - One Algebra Teacher
 - One CTE Manufacturing Teacher
 - Combines Algebra Theory with Applied Algebra

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West Valley Futures - Manufacturing

- Sophomore Year
 - American Welding Society -
 - SENSE Level 1
 - SENSE Level 2
- Junior Year
 - 540hrs - Core Plus Manufacturing
 - OSHA 10

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West Valley Futures - Manufacturing

- Senior Year
 - Related Supplemental Instruction (RSI) -7am - 11am - Monday
 - Academic coursework 11:30 - 2:30pm - Monday through Friday
- Students have paid work in Aerospace Manufacturing
 - 7am - 11am Tuesday through Friday
 - Triumph Actuation Systems
 - Cub Crafters
 - Pexco Aerospace

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West Valley Futures - Manufacturing

- Registered Apprenticeship
 - Aerospace Joint Apprenticeship Committee (AJAC)
 - Competencies filed with Department of Labor and Industries
 - 2000hrs of On the Job Training (OJT)
- Earn Math, Science, and English Academic Credit
- Earn Fifteen College Credit

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The belief that all genuine education comes about through experience does not mean that all experiences are genuinely or equally educative.

- John Dewey

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West Valley Futures - RIGOROUS

- Career Ready Indicators
 - 90% Attendance Rate
 - One or more Co-Curricular Engagement
 - Community Service
 - Academic Engagement
 - Industry Credential
 - Dual Credit Career Pathway
 - Workplace Learning Experience
 - Student Income Levels - ERDC

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Education, therefore, is a process of living and not a preparation for future living.

- John Dewey

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West Valley Futures - PERMEABLE

- Academic Indicators
 - Minimum of 12 useable Dual Credits - One Academic Quarter
 - College Development for ELA and/or Math
 - Academic GPA - 2.8 - 4.0
 - Pre College Coursework Rate
- Assessment Benchmarks
 - SAT - MATH 520 | Reading/Writing 480
 - FAFSA Completion Rate - **Support from WSAC**
- Post Secondary Enrollment - **ERDC**

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West Valley Futures - PERMEABLE



Advanced Classes Prepare Students for Success

Advanced courses prepare students for technical schools and college admission and can offer the opportunity to earn college credits. Honors classes are rigorous, college-level classes for serious, self-disciplined students.



Job Shadows & Internships

Students can explore career pathways through available job shadows and internships.

Contact your guidance counselor for further information:

West Valley High School
Shelly O'Neill, 972-5952

West Valley Junior High School
Bernie Snow, 972-5817

West Valley Middle School
Michael Yates, 972-5717

Honors Classes

High School Honors Classes	
Honors World History	Honors Language Arts

Freshman Campus Honors Classes	
Honors Language Arts	Honors Biology
Honors Pacific Northwest History	Algebra 2/Trig

Junior High Honors Classes	
Advanced Language Arts	Computer Essentials (HS Credit)*
Advanced Science	Advanced Computer Essentials (HS Credit)*
Advanced Social Studies	Spanish 101/102 (HS Credit)*
Algebra 1 (HS Credit)*	German 101/102 (HS Credit)*
Geometry (HS Credit)*	

*JH students may earn HS credit via Jump Start program. Credit must be requested with parent signature.

College in the High School Courses

College credit may be earned in the following classes at West Valley High School.

Central Washington University College Credit Courses	
CHS German 401/402/403	CHS Spanish 401/402/403
CHS German 501/502	CHS Spanish 501/502
CHS Math 101 Mathematics in the Modern World (Statistics)	CHS Math 130 Mathematical Decision Making (Statistics)
CHS Pre-Calculus 401/402	CHS Calculus 501/502
CHS Environmental Science	CHS Physics 411/412
CHS US History	CHS Military History of the US

University of Washington College Credit Courses	
CHS Chemistry (UV)	

Eastern Washington University College Credit Classes	
CHS English: College Composition ENG 101	CHS English: Survey of Literature ENG 170
CHS US Government	CHS Music in the Humanities 212
CHS History of Jazz	

Advanced Placement Courses

College credit may be earned by meeting the standard on Advanced Placement tests.

West Valley High School Advanced Placement	
AP Biology	AP English 506
AP Chemistry	AP English 606
AP Statistics 501/502	AP Government 201*
AP Art - 2D Studio Design	AP Art - 3D Studio Design
AP Art - Drawing	

*Students enrolled in CHS US Government (EWU) may take the AP Government Exam.

Tech Prep Courses

College credit may be earned in the following classes at West Valley High School.

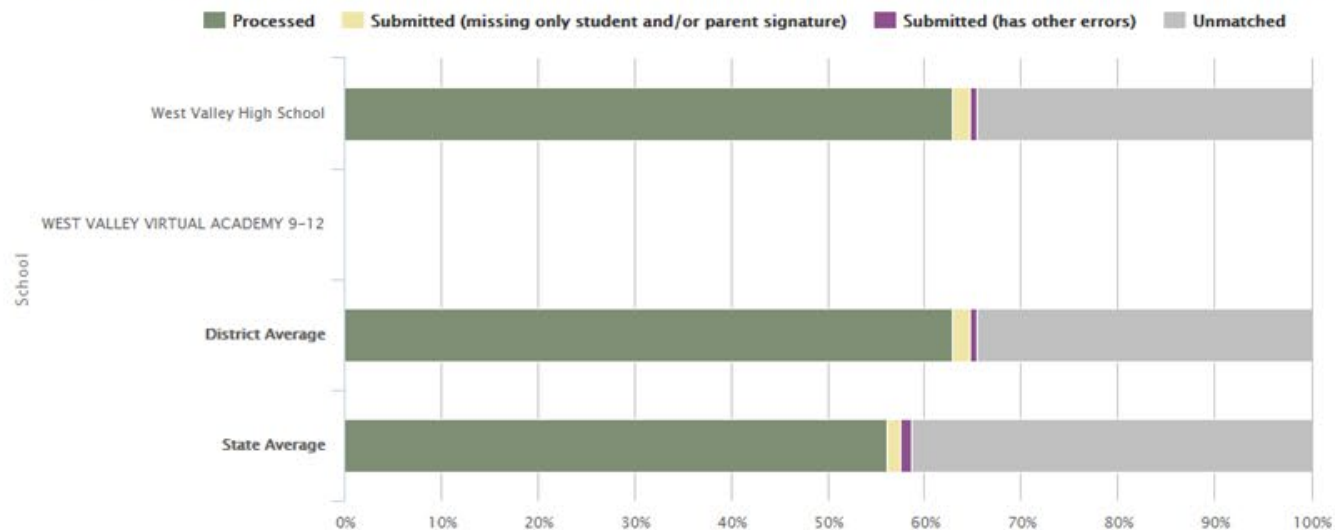
West Valley High School Tech Prep	
Machinist Program	ENGR 116 Blueprint Reading for Machine Trades I (YVC)
	ENGR 117 Mathematics for Machine Trades I (YVC)
	ENGR 127 Mathematics for Machine Trades II (YVC)
Marketing 101	ENGR 213 Quality Control (YVC)
Child Psychology: Child Care Basics	BA 156 Marketing (YVC)
	ECED & 100 Child Care Basics (YVC)
Cooking, Food & Nutrition	ECED & 105 Introduction to Early Childhood Education (YVC)
Child Psychology: Practicum	ECED & 107 Health, Safety, and Nutrition (YVC)
Financial Algebra 2	ECED & 120 Early Childhood Education Practicum (YVC)
Sports Therapy 101	BA 180 Consumer Financial Planning (YVC)
Sports Therapy 202	AH 155 First Aid, CPR, Blood Borne Pathogens (YVC)
Anatomy/Physiology 302	AH 119 Medical Terminology (YVC)
Web Design	AH 110 Human Body in Health and Disease I (YVC)
Fire Science 102	IT 233 Dreamweaver
	FCA 100 Introduction to Firefighting (VWCC)
Fire Science 202	FCA 111 Fundamentals of Firefighting (VWCC)
	FCA 115 Advanced Firefighting (VWCC)
Welding	WELD 141 Welding Basics (VWCC)



Coming soon: Additional aggregated data views for all seniors and College Bound students!

FAFSA Completion Initiative - District Progress

West Valley (Yakima) School District



School	Unmatched	Has Errors	Submitted missing signature(s)	Processed	Total
West Valley High School	109	2	6	198	315
WEST VALLEY VIRTUAL ACADEMY 9-12	<10	<10	<10	<10	0
District Total	109	2	6	198	315

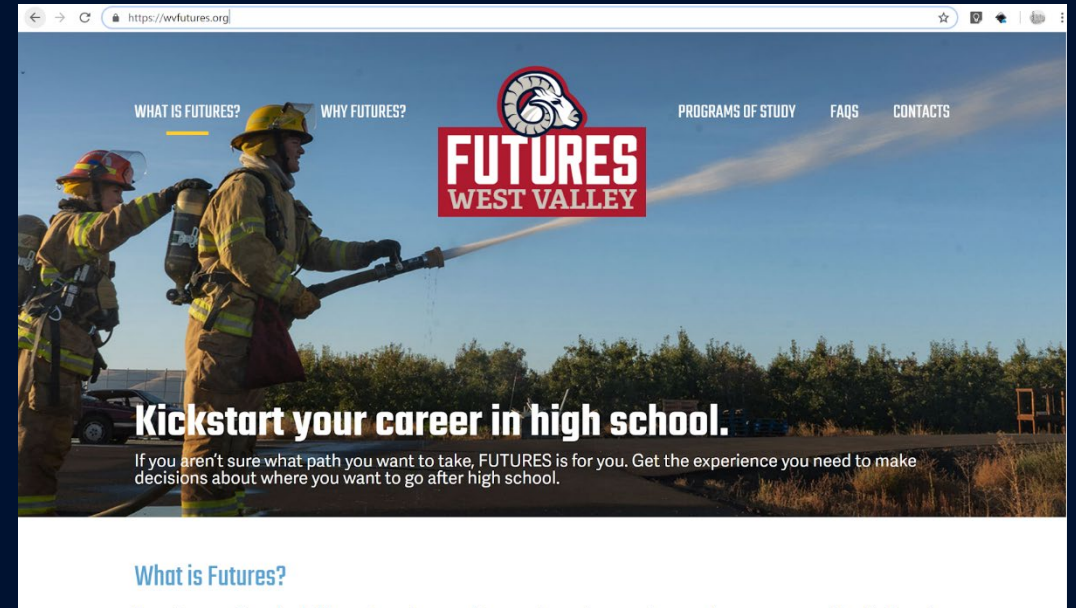
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West Valley Futures – REAL WORLD

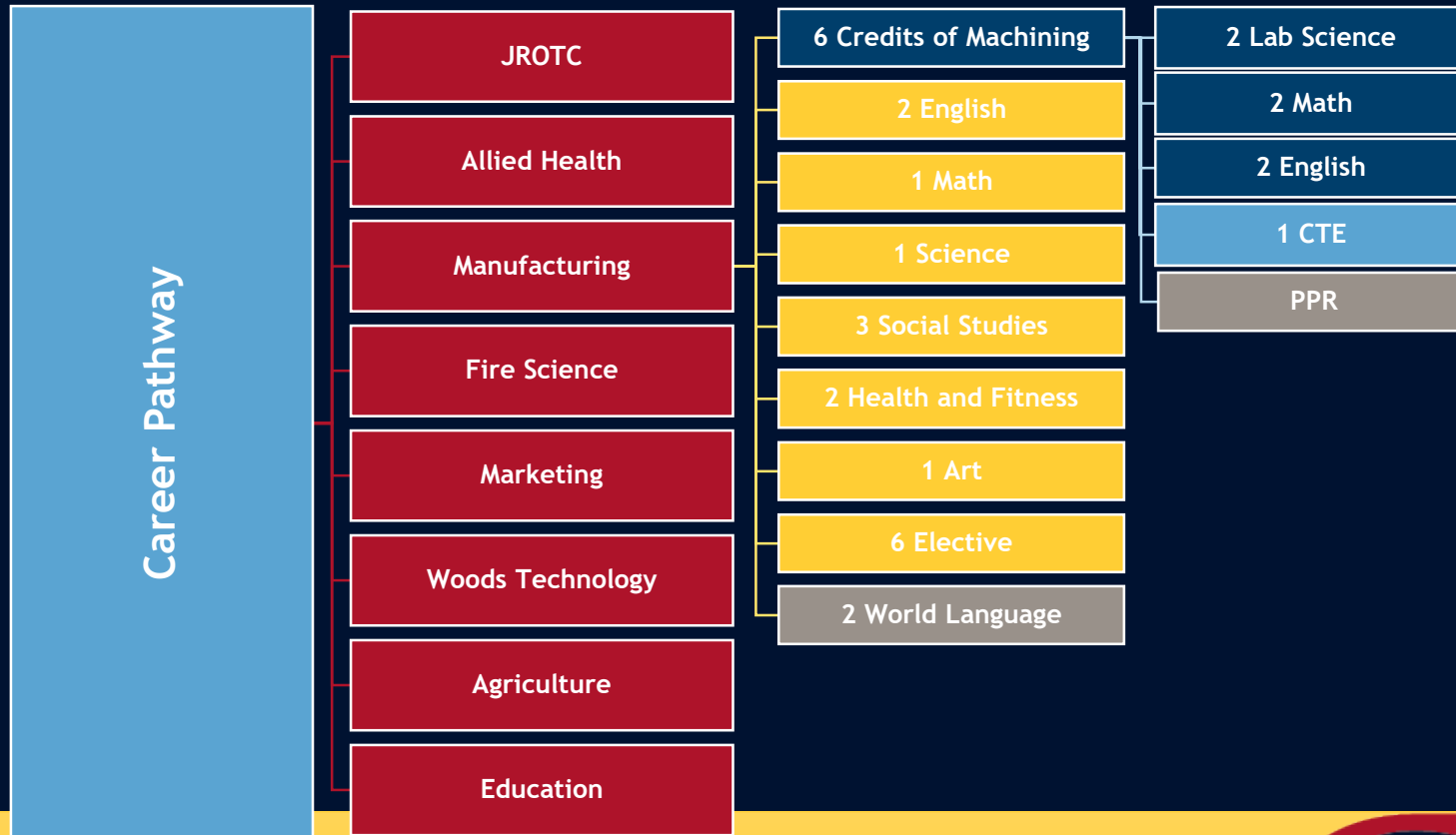
- www.wvfutures.org
 - Comprehensive Program info
 - Career pathway planning
- [Research Proven](#)
- You Tube
 - [Intro](#)
 - [Manufacturing](#)



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WV Programs of Study



Personal Pathway Requirement:
Students have the ability to prepare for direct Careers in Aerospace, Technical School Machining at Perry Tech, Community College Machining at YVCC, or Mechanical Engineering in University.

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- Realize.... **WHY?** is a completely reasonable question.
- Place teachers, **ACADEMIC** and **VOCATIONAL**, in Job Shadows
- Track economic performance data of our graduates
- Develop **PERMEABLE** educational pathways
- Career exploration should begin early
- Workforce preparedness is a **PROCESS** not a **FINISH LINE**

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