Training the Next Generation of Port Workers WPPA Annual Meeting

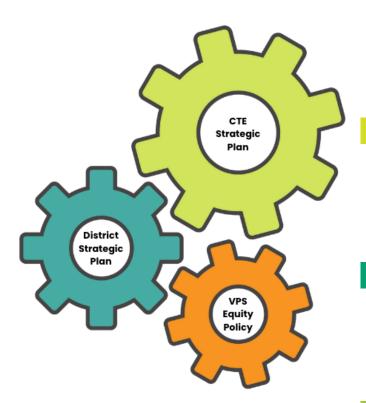
WPPA Annual Meeting Vancouver WA

December 7, 2023

Mark Wreath Director of Career and College Readiness

Vancouver Public Schools
Vancouver Washington

District Strategic Planning



CTE Strategic Plan: Establishing CTE Program strategic priorities, goals and outcomes in alignment with with the District Strategic Plan

District Strategic Plan: Casting a District vision and setting district wide strategic priorities while centering VPS's equity policy

VPS Equity Policy: At the core of this work, anchoring
District and CTE strategic priorities, goals and outcomes

CTE Strategic Planning

Priorities

Goals /

CTE Strategic Plan 2023 - 2028

CTE Student Experience

Every student thrives in CTE courses completing relevant hands-on activities in and outside the classroom that prepare them for life after high school.



Students report that CTE courses and programs are safe, engaging, and they experience a sense of belonging.



Every CTE student participates in career-connected learning opportunities.



CTE students have valuable opportunities to explore career pathways, begin career planning, and prepare for their future success.

Community Awareness and Engagement

CTE programs are visible, accessible, and valued by students, staff, families, community partners / members, and industries.



CTE enrollment by program reflects the demographics of VPS and all programs are aligned with post-secondary pathway options (Enroll, Enlist, Employ).



Community partners and industry are invested in the success of CTE programs.



Students showcase their skills and abilities through student leadership activities, competitions and other showcase events.



Family and parent engagement is prioritized and enhanced by actively educating and connecting with parents, involving them more in the learning process, and fostering stronger relationships with families.

Program Alignment & Staff Development

CTE students experience inclusive and aligned CTE programs led by a diverse and skilled workforce that focuses on quality instruction.



Provide comprehensive staff support and professional development.



Enhance program alignment and practices.



Promote inclusive and equitable learning environments.



Intentionally hire staff who reflect the VPS student body.



Support CTE instructors to keep industry skills current within their program.

Quality Curriculum and Facilities

CTE students experience industry-aligned curriculum, facilities, and equipment.



CTE curriculum is aligned with workforce trends, including leadership and durable/soft skills, and is culturally relevant.



Students achieve industry-recognized certifications, post-secondary credentials, and/or dual credit.

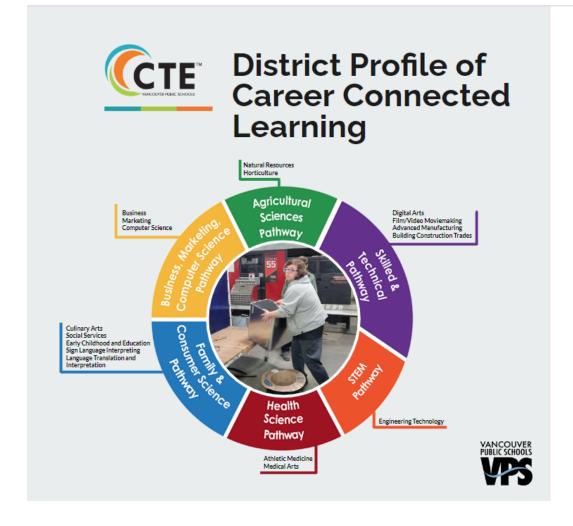


Stakeholders, such as educators, industry professionals, and community organizations, are collaborators to advise and align facility updates and equipment purchases.





CTE: Who We Are



115

Work Experience

(paid jobs)

Students worked over 33,000 hours and will earn over 67 credits

Nearly **70** students already enrolled for 23/24

11,092

Career Choices/WBL

7,316 On-campus experiences-HS (21/22) **3,712** On-campus experiences-MS (21/22)

5 Unpaid Internships-LSW Architects

136 PAID internships

20+ students currently being placed for Fall Internship

New partnership with Goodwill Employee & Community Education to provide job readiness workshops in classrooms.

CTE: Who We Are

Natural Resources Horticulture Film/Video Moviemaking Digital Arts Horticulture Natural Resources Video Production · Microsoft Imagine Multimedia Explorations Science • Adv Natural · Advanced Video Academy . Visual Arts and Design II ■ Intro to Coding I ■ Adv Horticulture Resources Production • Financial Alaebra Visual Media Publications • Intro to Coding II Horticulture Natural Resources · Video Production Business Law Yearbook ■ • IB Computer Science Special Projects Special Projects Special Projects ● ■ Adv Business Law • IB Computer Science 2 . Graphic Design ● ■ AP Environmental • IB Film • AP Economics Adv Graphic Design AP Computer Science • Movie Making Other Business and Science Principles • Graphic Design Moving Image Arts Career Choices ● ■ Entrepreneurship Special Projects AP Computer Animation 1A,1B · Work Experience (AG) Science A AP Studio Art 2D · Moving Image Arts Applied Algebra Web Design Graphic Design Animation 2 · Applied Geometry · Adv Web Design Digital Photo STEM Moving Image Arts Marketing ● ■ Careers in Ed ● ■ • Photography I Video Game Programming Explore A.B Marketing (Sports) Photography II ■ Moving Image Arts DOC Marketing (Fashion) **Agricultura** Photography III ■ Moving Image Arts NAR ● ■ Adv Marketina Career Choices ● ■ • IB Photo Moving Image Arts Focus ■ Adv Marketing (Sports) ■ Sciences Work Experience • AP Studio 2D Photo • · Moving Image Arts Adv Marketing (Fashion) (BUS, LEGAL, WEB) Photography Pathway Special Projects ■ Sports Marketing Applied Algebra Special Projects ■ Special Projects Applied Geometry · Fashion Marketing Careers in Ed ● ■ **Advanced Manufacturing** CTA Special Projects Intro to Fabrication Diesel Student Store Welding/Fabrication Technology Aviation Business Principles Operations • Adv Welding/Fabrication Technology Automotive Fashion Design Core Plus Manufacturina I ■ • Fire Science · Hospitality & Tourism Core Plus Manufacturina II • ITS3 Animatronics · Pre-Engineering Consumer Science Intro to Mechatronics Construction Technology Special Projects ■ Criminal Justice Early Childhood and Education Learning that works Careers in Education ● ■ for Washington **Building Construction Trades** Careers in Education II ● ■ STEM Intro to Building Trades Early Childhood and Education I • Building Construction Trades II ● ■ Early Childhood and Education II ● ■ • Building Construction Trades III . Child Development GRADS ■ **Culinary Arts** Health Creative Cookina Career Choices ● ■ Science Exploring Foods Work Experience Culinary Arts (COMM, CONST, Social Services **Pathway** MECH, WELD) Adv Culinary Arts Health Wellness **Engineering Technology** · Culinary Arts - JPC Applied Algebra Food and Fitness Intro to Engineering Design · Applied Geometry Culinary Arts - Food Court ■ Family Psychology Athletic Medicine Careers in Ed ● ■ · Pre-Engineering Design · Culinary Arts Special Projects · Real Life 101 Athletic Medicine Principles of Engineering Athletic Medicine II ■ Everyday Engineering Language Translation Medical Arts Sign Language Interpreting Electronics Applications • ASL 1 ■ and Interpretation Health Sciences and Careers ● ■ · Engineering Design and Development Translation and • ASL 2 ■ Medical Reimbursement Digital Electronics Interpretation Medical Terminology and Practice ● ■ • ASL 3 ■ Robotics Explorations · Adv Translation and AP Psychology and Health Issues • ASL 4 ■ Robotics Foundations Interpretation · Foreign Language · Mechanics of Robotics Other Career Choices ● Special Projects Other Career Choices ● ■ Work Experience (MED) Work Experience (ENG) Career Choices ● ■ · Applied Algebra . Applied Medical Science · Applied Algebra • Work Experience CTA · Applied Geometry Dental Assisting (FACSE, ED, CUL, ASL) · Applied Geometry Culinary Careers in Ed ● ■ Applied Algebra Careers in Ed ● ■ Cosmetology LEGEND Applied Geometry = Industry Certificate = Dual Credit CTA = Cascadia Tech Academy

COREPLUS

Originally starting in 2012

General manufacturing skills at 11 high schools



Official Curriculum "Roll Out" in Washington:



Curriculum Approval in 2016
The Boeing Company



Curriculum Approval 2020
Associated General
Contractors Education
Foundation of Washington



Curriculum Approved 2021

Manufacturing Industrial Council (MIC)

YES! We Want IT!

COREPLUS

- √ industry-vetted, skill-based, FREE curriculum;
- √ Frameworks with Math, Science, and ELA equivalencies
- ✓ Professional development for instructors;
- Employer support services for students and teachers,
- ✓ Student certificates to document learning goals and objectives;
- ✓ Funding for classroom materials, travel, equipment, training













	Program of Study Elements Availabilty					
Availability Date:	after 3/16/2021		after 4/1/2021			
FRAMEWORK and CURRICULUM UNITS	Core Plus Maritime 1st 540-hr Skill Center		Maritime 101 Comp HS	Maritime 201 Comp HS	Maritime 301 Comp HS	
Mapping Maritime	20		10	5	5	
Pacific Northwest Maritime Resources, Careers, and Sectors	20		10	5	5	
Navigation*	25		10	10	5	
Materials Science	60		20	<u>15</u>	25	
Hand and Power Tools	20		10	5	5	
Safety	20		10	5	5	
Standard Operating Procedures	20		10	5	5	
Precision Measurement	10		5	5		
Print Reading	30		20	5	5	
Applied Physics	30		20	5	5	
Math for Industry	20		10	5	5	
Rigging	20		5	5	10	
Hydraulics, Pneumatics, Fluid Lines, and Fittings	30			15	15	
Electrical Systems	30			20	10	
Corrosion	20		10	5	5	
Welding	40			20	20	
Buoyancy	20		5	5	10	
Propulsion	20		5	10	5	
Fasteners	10			5	5	
Quality Control and Quality Assurance	20		5	5	10	
Career Readiness and Employment	15		5	5	5	
Capstone Project	40		10	15	15	
Total Hours	540		180	180	180	
*Washington State Boater's Safety – Part of Navigation Unit			series develop	ed from 1st 540	hr Skill Center	

Challenges

Facilities

 MOST K-12 districts need capital funds to remodel or build facilities

Equipment

- Cost and what do we need
- Core Plus Grants
- Career Connect Washington/Career Launch Grants

Instructor

Partnerships

- Students Support
- Articulation/Post Secondary Connection

"Many of the skills I learn in this class will help to make me valuable in the eyes of the industry I hope to enter after high school."

Fort Vancouver HS Student, Adv Manufacturing