



# **Training the Next Generation of Port Workers WPPA Annual Meeting**

WPPA Annual Meeting  
Vancouver WA

December 7, 2023

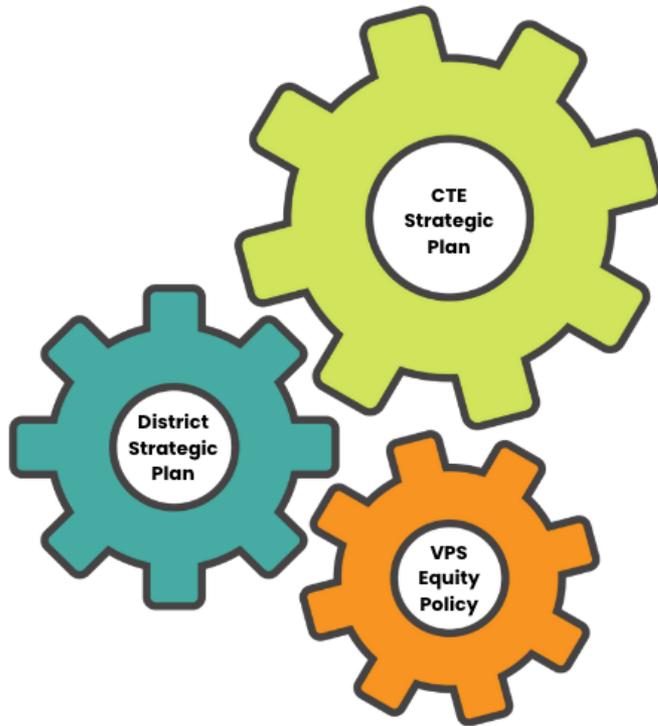


# **Mark Wreath**

## **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

## CTE Strategic Plan 2023 - 2028

### Priorities

### Goals /

#### 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



## District Profile of Career Connected Learning



**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)

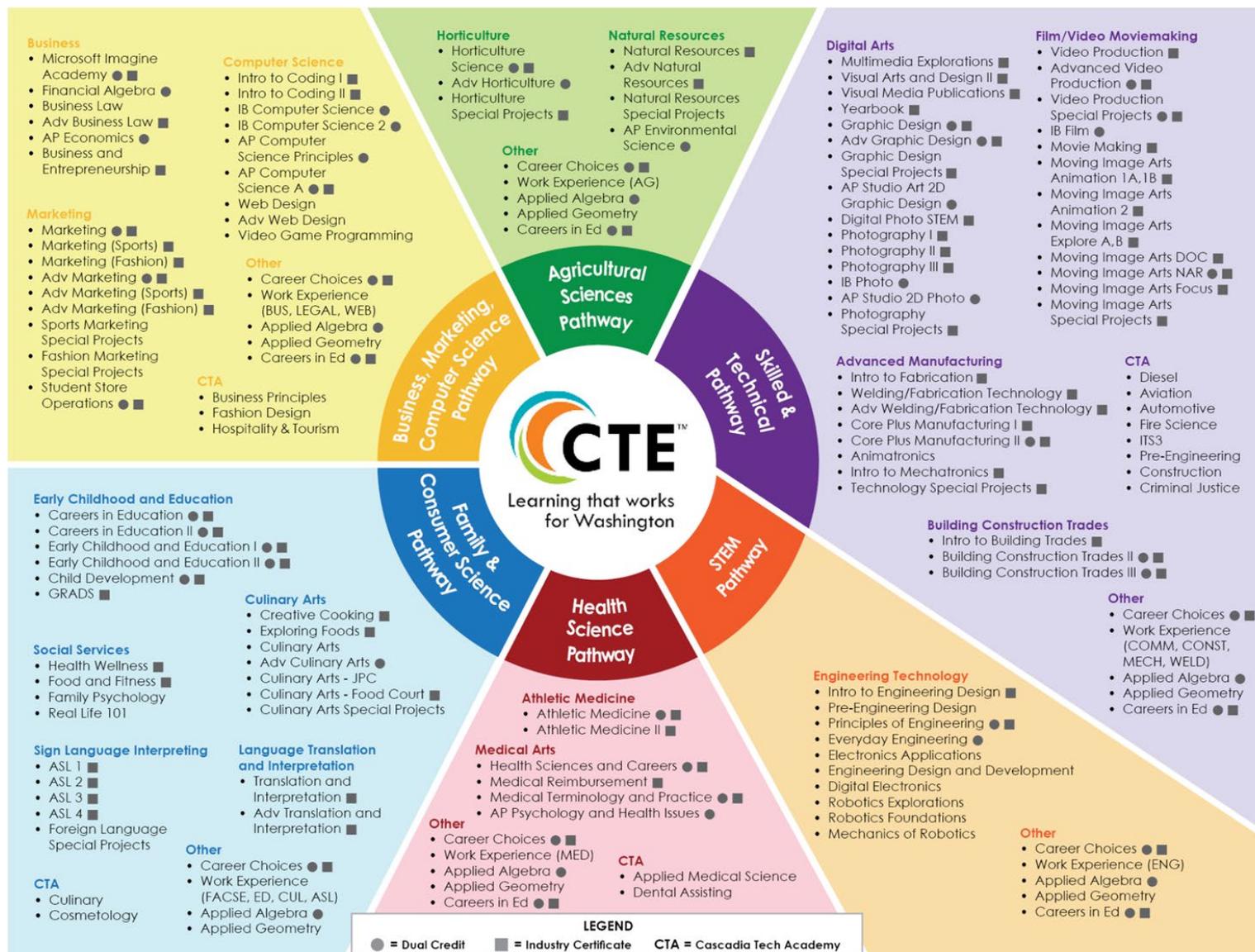
**5** Unpaid Internships-LSW Architects

**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



# COREPLUS

Originally starting in 2012

*General manufacturing skills at 11 high schools*



MANUFACTURING INDUSTRIAL COUNCIL

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!*

# CORE PLUS

- ✓ **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**



# Now What?

<b>Program of Study Elements Availability</b>					
<b>Availability Date:</b>	after 3/16/2021	after 4/1/2021			
<b>FRAMEWORK and CURRICULUM UNITS</b>	<b>Core Plus Maritime 1st 540-hr Skill Center</b>	<b>Maritime 101 Comp HS</b>	<b>Maritime 201 Comp HS</b>	<b>Maritime 301 Comp HS</b>	
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	<u>20</u>	<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	
<b>Total Hours</b>	<b>540</b>	<b>180</b>	<b>180</b>	<b>180</b>	
<i>*Washington State Boater's Safety – Part of Navigation Unit</i>		series developed 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