



Bridging the Gap from K12 to Career

May 19th, 2021



*CTE Coursework Development: Alignment
with CTE Industry Pathways, Challenges to
Equity/Access for Targeted Populations*

....guiding your journey today

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- Tumwater School District; Director Career and Technical Education



Tumwater School District Post High School Outcomes

What percent of students enrolled in the first year after graduation?

4 Year

33%

2 Year / CTC

30%

Not Enrolled

38%



What were the highest degrees attained within 8 years of graduation?

Bachelor's or Higher

35%

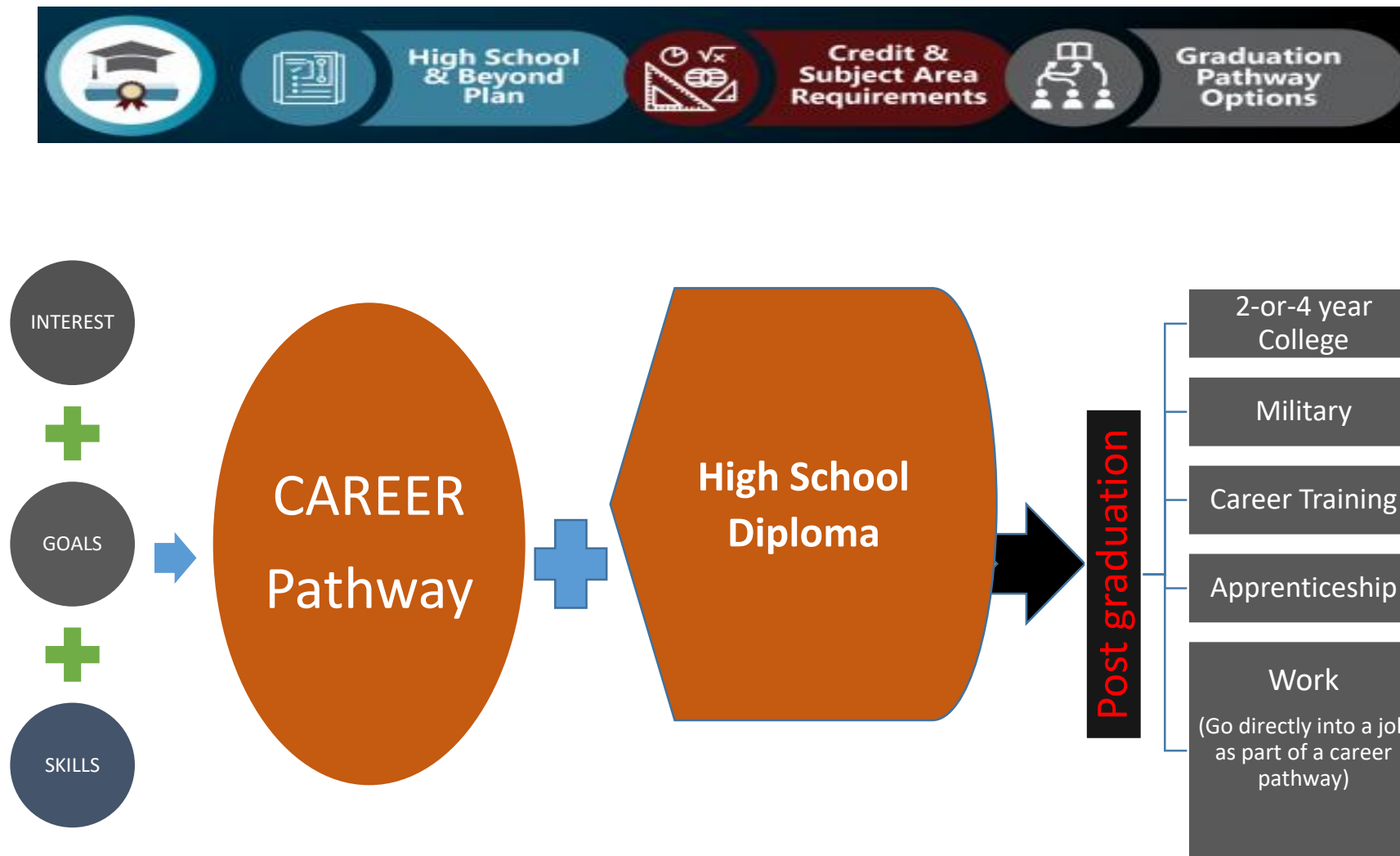
Associate/Certificate

14%

No Degree

51%





College and CAREER

TSD Connects
[CTE Program Areas](#)



16 Career Clusters



Program Areas: STEM and Health Sciences

STEM

- ☐ Introduction to Engineering Design
- ☐ Designing Solutions (Pre-Engineering)
- ☐ Community Design and Architecture
- ☐ Applied Geometry
- ☐ Applied Statistics

Health Sciences

- ☐ Principles of Biomedical Sciences
- ☐ Anatomy & Physiology
- ☐ Medical Interventions
- ☐ Nutrition Science

Program Areas: Family & Consumer Sciences and Agriculture & Natural Resources

Family & Consumer Sciences

- ☐ Nutrition & Wellness
- ☐ Independent Living
- ☐ Child Development
- ☐ Personal Choices
- ☐ American Sign Language

Agriculture & Natural Resources

- ☐ Principles of Biomedical Sciences
- ☐ Anatomy & Physiology
- ☐ Medical Interventions
- ☐ Nutrition Science

Program Area: Skilled & Technical Sciences

Skilled & Technical Sciences

- ☐ Video Productions 1 (iVideo)
- ☐ Visual Communications
- ☐ Physics of Flight (CORE PLUS)
- ☐ Video Productions 2 (Broadcast Journalism)
- ☐ Yearbook

Skilled & Technical Sciences

- ☐ Tiny House Design & Construction Trades
- ☐ Theater Production/Stagecraft
- ☐ Art 1,2,3
- ☐ Architectural Drawing
- ☐ Digital Photography
- ☐ Advanced Digital Photography

Program Area: Business & Marketing

Business & Marketing

- ☐ Cybersecurity
- ☐ Street Law
- ☐ Business Math
- ☐ Office Users Specialist
- ☐ Business Communications
- ☐ Marketing
- ☐ Advanced Marketing

Business & Marketing

- ☐ Entrepreneurship
- ☐ Advanced Entrepreneurship
- ☐ Computer Science Essentials
- ☐ AP Computer Science Principles
- ☐ TEALS: Computer Science

Value to Students – Career Skills Certificate



- Motivate and empower
- Quantify education and experience
- Validate skills attained
- Certificate for job interviews and resumes
- Recognition on college applications

TSD Career and Technical Student Organizations



[Washington DECA\(link is external\)](#)

- In DECA you can connect to the world of marketing and business outside the classroom. DECA members are teamed with business professionals for job shadowing and mentoring programs to give you an enormous head start on your career.
- Run your school store, work on marketing project teams, and become involved in civic activities that make a difference in your community.



[Washington FFA\(link is external\)](#)

- FFA provides challenging coursework and hands-on experiences in agriculture education classes ranging from Animal Science and Principles of Technology to Floriculture and Greenhouse Management.
- After 75 years, the Washington FFA Association and its partners have continued to support leadership programs and career development events that encourage members to become lifelong learners who are prepared, committed and hardworking.

TSD Career and Technical Student Organizations



[Washington State Family, Career and Community Leaders of America\(link is external\)](#)

- Travel with friends to events and competitions; practice and test your skills in local, state and national competition; and learn how to lead. These are the benefits to the students served by FCCLA. Their career interests are in education, food, hospitality, interior decorating, and textiles (sewing, fashion).



[Washington Future Business Leaders of America\(link is external\)](#)

- FBLA gives students a professional edge, current professional information and valuable connections to business and industry partners.
- Gain leadership skills by planning and participating in community service, developing speaking and presentation skills, attending conferences and networking.

TSD Career and Technical Student Organizations



[Washington Health Occupation Student Association\(link is external\)](#)

- HOSA is a national organization for students exploring health care careers.
- Students gain leadership and technical HOSA skill competencies through a program of motivation, awareness and recognition, which is an integral part of Health Science Education instructional program. Students attend conferences and participate in competitive events and network with peers and health care industry partners.



[SkillsUSA Washington\(link is external\)](#)

- SkillsUSA is a national organization for students exploring trade, industrial, technical health and service-related careers. Areas of competition include architectural drafting, construction, carpentry computer programming, web design and nurse assisting.
- This organization promotes superior work skills, life-long education, leadership, teamwork, citizenship and community service among its student members. It also strives to build and reinforce self-confidence, work ethic and communication skills.

PROGRAM AREA: SKILLED & TECHNICAL SCIENCES

If you dream of designing, planning, managing, building or maintaining the structures where we live, work and play, then the Architecture and Construction Career Cluster is for you.

CAREER CLUSTER: **CONSTRUCTION**

TUMWATER HIGH SCHOOL

Home of the T-Birds



CORE COURSES

- ☐ Construction 180 **or**
Aerospace
Manufacturing (180)
- ☐ Construction (360)

SUPPORT COURSES (2 OF THE FOLLOWING)

- ☐ Introduction to
Engineering Design
- ☐ Business Math
- ☐ Technical Drawing
- ☐ Architectural Drawing
or Community Design

CAREER AND TECHNICAL STUDENT ORGANIZATION

SkillsUSA: SkillsUSA, is a national organization for students exploring trade, industrial, technical health and service-related careers. Areas of competition include architectural drafting, construction, carpentry, computer programming, web design and nurse assisting. This organization promotes superior work skills, life-long education, leadership, teamwork, citizenship and community service among its student members.

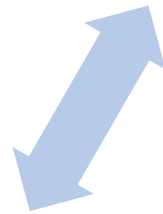
TSA: TSA is an international student organization devoted exclusively to the needs of students interested in science, technology, engineering and mathematics education. TSA students can explore careers in architecture, engineering, construction, manufacturing, film/video production, graphic arts or other technical areas. TSA students gain leadership and technical skills competencies as they prepare and participate in competitions that are correlated with the national STEM standards.

Partnership with TSD and NMSC



**New Market Skills
Center**

Maritime &
Construction (HBI)



**Tumwater High
School**
Construction (HBI)

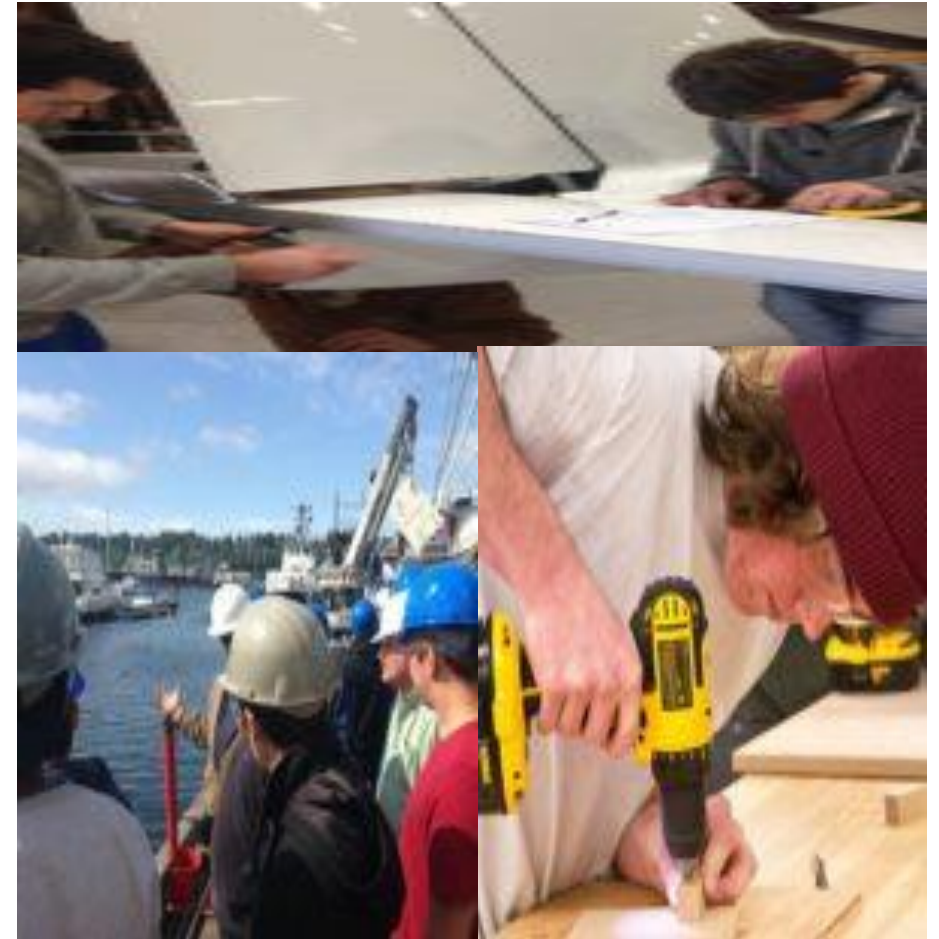


**Black Hills High
School**
Aerospace



***THREE Equivalency Credits**
(ELA, Math and Science)

- ***THE CORE (180HRS)***
- **The first year** teaches basic manufacturing skills that apply to industries across all Washington industrial sectors. This includes use and safety of shop equipment, precision measuring, material science, print reading, as well as extensive record keeping.
- ***THE PLUS (360HRS)***
- **The second year** goes more in depth on the industry sector. Focusing on composites, construction, electronics, metal fabricating, aerospace, maritime and auto.



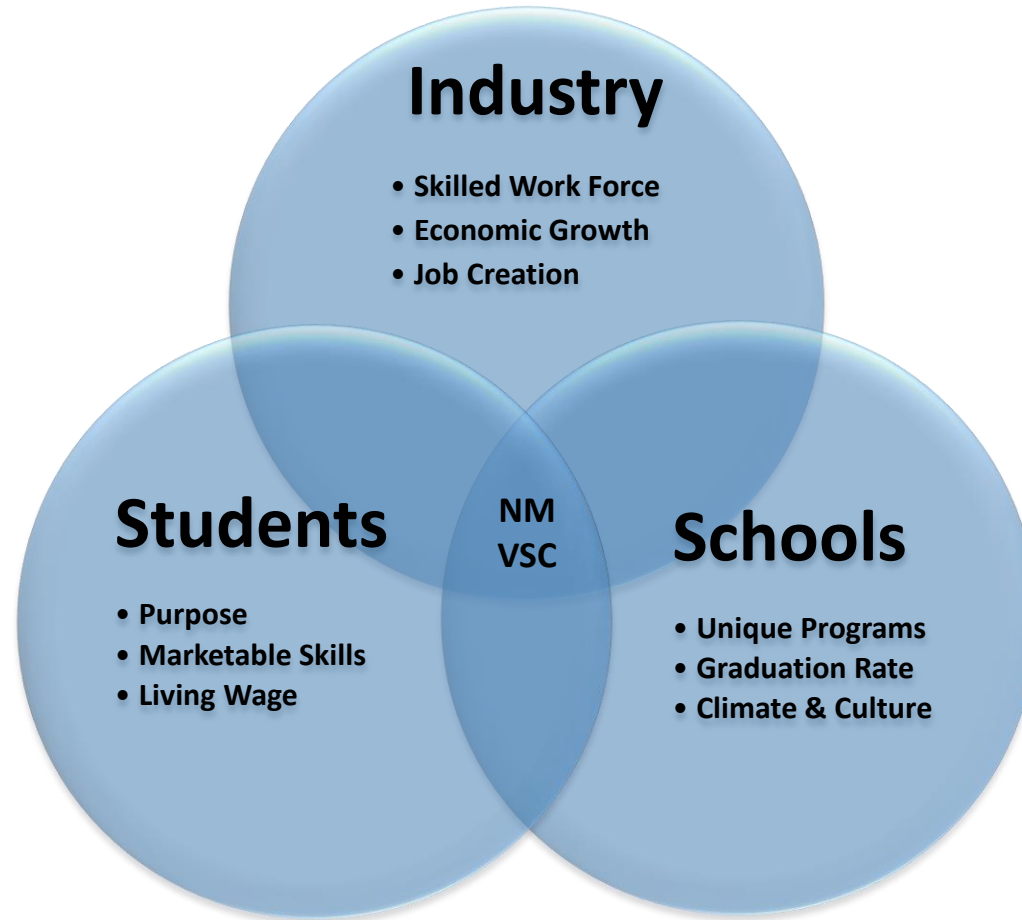
Technical Skills Base



The maritime curriculum builds on existing Core Plus units for manufacturing. Available for free through OSPI, existing units cover “basics” in shop safety, tool and equipment use, material science, precision measurement, applied math, print reading, rigging, hydraulics and electrical systems.

| Core Plus Maritime | |
|---|-------------------------------|
| 1. Old World, New World, Water World | 16. Buoyancy |
| 2. Pacific Northwest Maritime Resources | 17. Propulsion |
| 3. Basic Skill Overview | 18. Corrosion |
| 4. Material Science | 19. Skin Protection |
| 5. Shop Tools | 20. Electrical |
| 6. Safety | 21. Sealing |
| 7. SOPs | 22. Gap Measurement |
| 8. Measurement | 23. Shim and Trim |
| 9. Print Reading | 24. Fluid Lines & Fittings |
| 10. Applied Physics | 25. Composites |
| 11. Math for Industry | 26. Quality |
| 12. Rigging | 27. Robotics |
| 13. Pneumatics & Hydraulics | 28. Practices & Assessments |
| 14. Capstone | 29. Job & Career Readiness |
| 15. Bill Boeing's Boathouse | 30. Employability Certificate |

The Unique Position of Skills Centers





About New Market

Located in Tumwater
Consortium of 10 School Districts

- Centralia
- Oakville
- Olympia
- North Thurston
- Rainier
- Rochester
- Shelton
- Tenino
- Tumwater
- Yelm

2021-2022 PROGRAMS

ART AND ANIMATION

CRIMINAL JUSTICE

MEDICAL ASSISTANT

AUTOMOTIVE SERVICE
TECHNOLOGY

CULINARY ARTS

NURSING ASSISTANT

COLLISION REPAIR
TECHNOLOGY

CUSTOMER SERVICE AND
WORK CREDIT ACADEMY

PRE-VETERINARY
TECHNICIAN

CONSTRUCTION TRADES

FIREFIGHTING AND EMS
CAREERS

VIDEO GAME
PROGRAMMING

COSMETOLOGY
CENTRALIA & OLYMPIA

MARINE SERVICE AND
MANUFACTURING

Want to Support Student Career Development?

Advisory Member

Make an Impact.

INTERN • HIRE • MENTOR • PARTNER • TEACH

Why should your business partner with local schools?

Partnerships secure a future workforce in your industry while teaching students skills relevant to a successful future.

When your business partners with schools,
**EVERYONE
BENEFITS.**

Internship or Apprenticeship

Provide an opportunity for students to get real life experience in your field

Hiring Programs

Make space to hire students at your organization

Mentoring Students

Encourage students on their professional growth and/or provide informational interviews.

Partner with Schools

Be a guest speaker, judge, volunteer, or welcome an onsite tour

Guide A Teacher Teach the teacher, Professional Development within your industry and/or Join a School Advisory Board





Your future is waiting

TSDconnects.org • 360-709-7035

Business & Marketing
Family & Consumer Sciences
Health Sciences
Natural Resources & Agriculture
Skilled & Technical Sciences
STEM



TSDCONNECTS



Tumwater
School District





WHERE DO YOU WANT TO GO? WE'LL HELP YOU GET THERE.

*Tumwater School District can connect you with your goals,
no matter what you want to do after high school.*

THE END