Career and Technical Education Update

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ISSAQUAH SCHOOL DISTRICT 411

Purpose

Provide updates on the following:

- Student interest and workforce demand
- Evolving courses credentials and pathways
- Discussion & Questions



High School and Beyond Planning

- Our High School and Beyond Plan is a plan, continuing from 7-12th grade, built around three areas of career-connected learning that help students unlock their passion and potential to positively impact the world.
  - **Discovery** – Who am I?
    Students develop self-awareness, explore interests and strengths, and learn about a wide range of careers and pathways.
  - **Exploration** – What can I become?
    Students research and experience career options, compare pathways, and identify possibilities that align with their interests.
  - **Preparation** – How do I become that?
    Students build knowledge & skills, gain real-world experience, and create actionable secondary & post-secondary plans.

Demand Data for Top Careers in SchooLinks

Career Goals	Employment demand through 2034 (ESD.wa.gov)	Median Annual Wages (ESD.wa.gov)
Medical Practice and Surgery	↑ .84%	$281,156
Psychology	↑ .87%	$123,123
Entrepreneurship	***	***
Practicing Law	↑ .58%	$185,984
Advertising and Marketing Management	↑ 1.16%	$193,594

*** No data available

As of 10/27/2026

High School and Beyond Planning

Strengths	Challenges
Opportunity to engage in new platform with new features.	Making tasks and lessons more meaningful for both students and teachers.
Future Ready Graduation requirements, if passed in legislature, feature High School and Beyond Plan at the center of a student's graduation plan.	Helping teachers feel confident to advise student's 4-year high school plans based on career goals.

Course changes by Career Cluster

- Provided professional development for **Arts, Entertainment and Design** pathway teachers.
  - Revamped industry standards and re-worked pathways. New film making pathway, updated standards in digital art and design courses, such as photography and graphic design.
- Updating **Digital Technology** pathway
  - Looking at incorporating physical computing into computer science at comprehensive high schools. Physical computing is writing code that controls real devices, like sensors, motors, lights and drones
  - Understanding pros and cons of generating code using AI and appropriate use cases. Updated 2027-28 AP Computer Science Principles course intentionally incorporates use of AI to write code.
- **Advanced Manufacturing** pathway
  - Adding aerospace engineering content to Aerospace Manufacturing course which may include physics of flight, propulsion and orbital mechanics (why certain objects are in specific orbits.)
  - Researching the move into industry 4.0 with machine learning and autonomous systems including impact on future course offerings, minimal impact on current course offerings.

Planned Credentials

- **Advanced Manufacturing:** Boeing Pre-Employment Training (BPET) through Aerospace Manufacturing. This allows students access to a list of "BPET" job opportunities and skip on the job training.
- **Digital Technology:** CompTIA Security+ certification in AP Cybersecurity (2028–29).



Looking ahead: career-connected learning at the new high school

- **Business and Entrepreneurship:** Microsoft Office Specialist: Excel associate certification and *Intuit Design for Delight*, discussing additional certification options with advisory committees. Goal of at least 1 certification per year.
- **Engineering and Robotics:** Autodesk Certified User: Fusion certification and OSHA 10, discussing certification options with advisory committees. Goal of at least 1 certification per year.
- **Health Sciences:** Basic Life Support CPR and Certified Nursing Assistant (application to the Washington Board of Nursing)

Questions and Discussion

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