Career Connected Learning

Board Study Session
May 31, 2018
Purpose

• Review education-to-workforce pathways and discuss implications for our region.

• Become familiar with the Everett Public Schools’ career connected learning program and discuss employer engagement strategies.
Strategic goals

1.1 Each student graduates from high school ready for college, career, and life with 21st century skills.
1.3 Each student receives relevant, rigorous, personalized, and engaging standards-based instruction.
1.4 Each student demonstrates cultural proficiency and is prepared to live in and contribute to a world economy.
5.1 Our district-wide strategic relationships contribute directly to achievement of district priorities and goals and improvement of student learning.
5.4 Our strategic relationships improve the quality and coherence of K-12 learning opportunities in science, technology, engineering, and math.
Key performance outcomes

1.1.c Students meet or exceed college, career, and life readiness indicators in grades three through twelve.

1.1.d All graduates exit with a post-secondary transition plan for work, career, and/or college, and complete the first steps toward achieving post-secondary goals before graduation.

5.1.b Strategic partnerships (family, corporate, community) strengthen college and career readiness.

5.4.a A higher degree of collaboration and communication between the district and its partners is achieved.

5.4.b Community partners are engaged in common learning and shared practices with the district.
Introductions
Vision statement

Everett Public Schools students will graduate career ready with:

- Jobs and work skills, knowledge, and relationships
- Awareness, passion, and interests for career opportunities
- Understanding of career credentials and how to access pathways

In partnership with business, industry, government, nonprofit, and postsecondary education and training organizations, Everett Public Schools will establish and provide students guidance along a K-12 continuum of in- and out-of-school learning experience with an emphasis on regional high-demand and high/middle skill career opportunities.
Discussion

• To what degree did these data affirm your beliefs about our region’s education to workforce pathways?
• How could these data inform education-to-workforce initiatives in our region?
• What additional data would help advance such initiatives in our region?
Vision statement

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Program elements

School based learning
Career and technical education (CTE) courses as well as integration of career skills, knowledge and advising into district’s core courses.

Work based learning
Often in partnership with industry/community professionals, learning experiences that engage students in acquiring and applying work-related knowledge and skills.

Extended learning
Education that continues beyond the school day and that complements school based learning by improving academic performance, and inspiring students to discover their passions.
Career awareness

Learning about work – Students build awareness of a variety of careers and the roles of high school and post high school education. These are typically on-time interactions.

Career exploration

Learning for work » Students explore career options to help identify career interests and inform high school and post high school education decisions.

Career preparation

Learning through work » Under the supervision of industry/community professionals, students apply learning through practical experience developing knowledge and skills necessary for success in post high school education and careers.
Career pathways

Program vision: After completing core high school coursework, students have the opportunity to enter a career pathway and gain the academic, technical, and workplace knowledge and skills allowing for seamless continuation to postsecondary credentials. Students can then transition to the workplace or continue to pursue graduate programs.
Sample sector pathway

Pathways to Aerospace & Advanced Manufacturing Careers

People in aerospace and advanced manufacturing work with airplanes, robotics, 3-D printers, and other interesting tools. The number of people needed to fill jobs in this sector is growing rapidly, so there are many opportunities to get started.

Apprenticeships
- Moldmaking (Arbogast Group)
- GMP Maintenance-In-Plant (Arbogast Group)
- Aerospace (Bucher Aerospace Corporation)

Certificates
- Aircraft Electronics Technician
- Engineering
- Composites
- Welding & Fabrication

2-Year Programs
- Engineering
- Materials Science
- Transportation, Logistics and Supply Chain Management

4-Year Degrees
- Mechanical Engineering
- Electrical Engineering
- Mathematics/Computer Science

Sample Careers in Our Region
- Ironworker
- Aircraft Mechanic
- Industrial Maintenance Mechanic

Sample Careers in Our Region
- Electricians
- Reinforcing Iron and Rebar Workers
- Sheet Metal Workers
- Structural Iron and Steel Workers

Sample Careers in Our Region
- Construction Managers
- Industrial Engineers

Skills
- Troubleshooting
- Good writing skills
- Hands-on work
- Identifying problems
- Active listening

Transfer
- Transfer degree only

Salaries
$ = Max $25/hr
$ = Max $26-40/hr
= Max > $40/hr

For more information regarding Everett Public Schools Career Pathways, please contact EverettPublicSchools.org. Each high school's career coordinator can review this document with students and families.

Document updated: May 2018
Sample sector readiness opportunities

### Career Pathway readiness Opportunities

#### School-based learning
Career and technical education (CTE) courses as well as integration of career skills, knowledge and advising into district's core courses.

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Exploratory Courses</th>
<th>Advanced Courses</th>
<th>Skill Center Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra 1 and 2</td>
<td>CAD and 3D Printing</td>
<td>AP Physics</td>
<td>Electric Engineering Technology</td>
</tr>
<tr>
<td>Geometry</td>
<td>Astronomy and Aerospace Engineering</td>
<td>AP Capstone: Research in Science and Engineering</td>
<td>Precision Machining</td>
</tr>
<tr>
<td>Physics by Design</td>
<td>Engineering Your World</td>
<td></td>
<td>Welding and Metal Fabrication</td>
</tr>
</tbody>
</table>

#### Extended learning
Education that continues beyond the school day and that complements school-based learning by improving academic performance, and inspiring students to discover their passions.

- Technology Student Association (TSA)
- Robotics
- Skills USA

#### Work-based learning
Often in partnership with industry/community professionals, learning experiences that engage students in acquiring and applying work-related knowledge and skills.

- Engineering Internship
- Advanced Manufacturing Youth Apprenticeship

For more information regarding Everett Public Schools Career Pathways, please contact careerconnection@everettsd.org. Each high school’s career specialist and counselors can review this document with students and families.


Document updated: May 2018
Internships
Internships
## Summer 2018 internships

<table>
<thead>
<tr>
<th>Sector</th>
<th>Employer</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business &amp; Professional Services</td>
<td>EvCC Education Administration</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>City of Mill Creek Recreation and Tourism</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Port of Everett Guest Moorage</td>
<td>1</td>
</tr>
<tr>
<td>Communications &amp; Information Technology</td>
<td>City of Mill Creek Communications</td>
<td>2</td>
</tr>
<tr>
<td>Education Careers</td>
<td>Everett Public Schools</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Everett Parks and Recreation Summer Camp</td>
<td>1</td>
</tr>
<tr>
<td>Health &amp; Medical Careers</td>
<td>Providence Summer Youth</td>
<td>9</td>
</tr>
<tr>
<td>Aerospace &amp; Advanced Manufacturing</td>
<td>Port of Everett Maintenance</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Village Theater Stage and Tech</td>
<td>2</td>
</tr>
<tr>
<td>Energy &amp; Sustainability</td>
<td>Snohomish County Agriculture</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Smith Gardens</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Nora Farms</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>National Oceanic and Atmospheric Administration</td>
<td>1</td>
</tr>
</tbody>
</table>
Youth apprenticeships

• Starting with spring of junior year, youth apprenticeships offer high school students the opportunity to complete their diploma, earn tuition-free college credits and develop job-ready skills through paid on-the-job training and mentorship.
## Employer engagement opportunities

<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
<th>Time</th>
<th>Average Student Age</th>
<th>Approximate Number of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Career awareness</td>
<td>Students learn about the wide variety of career options and the skills needed to succeed in those careers.</td>
<td>4 hours</td>
<td>All ages and grade</td>
<td>Over 2000 students, business and community members</td>
</tr>
<tr>
<td>High School and Personal Night</td>
<td>Students learn about different jobs and career options in a supportive and engaging environment.</td>
<td>6 hours per event</td>
<td>All ages and grade</td>
<td>1200 students</td>
</tr>
<tr>
<td>Career Day*</td>
<td>Students participate in personalized career exploration and receive guidance on how to prepare for their future careers.</td>
<td>Variable</td>
<td>All ages and grade</td>
<td>Up to 35 students per class</td>
</tr>
<tr>
<td>Career Field Experience*</td>
<td>Students learn about specific industries and the skills needed to succeed in those industries.</td>
<td>1 day</td>
<td>Middle School</td>
<td>Number of students varies depending on career path and school capacity</td>
</tr>
<tr>
<td>Industry Embedded Professional</td>
<td>Students develop skills in a specific industry through real-world experiences and mentorship.</td>
<td>Variable</td>
<td>All ages and grade</td>
<td>Up to 35 students per class</td>
</tr>
<tr>
<td>Industry-Based Problem</td>
<td>Students learn about real-world challenges in a specific industry and develop solutions.</td>
<td>Variable</td>
<td>All ages and grade</td>
<td>Up to 35 students per class</td>
</tr>
<tr>
<td>Work Readiness Learning</td>
<td>Students learn about the workplace and the skills needed to succeed in it.</td>
<td>100 per semester</td>
<td>High School</td>
<td>1 semester</td>
</tr>
<tr>
<td>Internship</td>
<td>Students gain real-world experience in a specific industry through practical work experience.</td>
<td>16 weeks</td>
<td>High school juniors and seniors</td>
<td>1 semester</td>
</tr>
<tr>
<td>Project Apprenticeship</td>
<td>Students work in teams to complete a project related to their field of interest.</td>
<td>200 hours over two years</td>
<td>High school juniors and seniors</td>
<td>1 semester</td>
</tr>
</tbody>
</table>

*Note: Program information is updated regularly. For the latest information, please visit the school district's website.
Discussion

• What clarifying questions do you have regarding the Everett Public Schools’ career connected learning program?

• How should we best partner with you to provide career connected learning opportunities to students?
State and regional context

State and regional reflections by:
• Career Connect Washington
• Workforce Snohomish
• Snohomish STEM Network

How does Everett Public Schools’ career connected programming support state and regional career connected learning initiatives?
Closure

• As you reflect on today’s presentations and discussions, what strategic level guidance can you provide for the district’s career connected learning program?