



# **SUPERINTENDENT'S STRATEGIC ADVISORY COUNCIL**

## ***EXECUTIVE BRIEFING DOCUMENT***

June 29 & August 18, 2017

Community Resource Center  
3900 Broadway

# Inaugural Participants

**Chris Adams**

*Adams and Duncan*  
Attorney

**Shannon Affholter**

*Master Builders Association*  
Executive Director

**Andy Buchan**

*Esterline Control & Communication*  
Vice President, Strategic Development

**Alice Chao**

*Kaiser Permanente*  
Regional Director of Clinical Operations and Market  
Integration

**Gabe Doleac**

*Aviation Technical Services, Inc.*  
Senior Vice President of Strategy & Commercial  
Programs

**Pam Hammond**

*Coastal Community Bank*  
Chief Risk Officer

**Tom Lane**

*Dwayne Lane's Chrysler Dodge Jeep Ram*  
Owner and Dealer Principal

**Benjamin Linder**

*The Boeing Company*  
Engineer

**Michael McBreen**

*Funko*  
Chief Operating Officer

**Paul Pitre**

*WSU North Puget Sound*  
Chancellor

**Wes Pringle**

*Fluke Corporation*  
President

**Kim Williams**

*Providence Health & Services*  
Chief Administrative Officer

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## **Superintendent Strategic Advisory Council Purpose**

To assist the district to make programmatic investments that anticipate the long-range trends in regional growth, the Superintendent's Strategic Advisory Council advises the superintendent and key members of the superintendent's office regarding emerging trends expected to influence community prosperity. Council guidance will provide direction for long-term program, policy, and partnership investments that may be expected to build more advantageous STEM/CTE learning opportunities for Everett Public Schools students. As a natural outgrowth of this investment, council members should be well positioned as advocates for the district's directions and plans as supportive of regional economic growth. The council comprises forward thinking community business executive and civic leaders in the greater Everett region who meet two times per year.

# District Overview

## Location

Everett Public Schools is located in western Washington in the southwest portion of Snohomish County. The district encompasses the majority of the cities of Everett and Mill Creek, as well as portions of the unincorporated county. An estimated 141,599 residents live within the district as of September 2016 according to the Washington State Office of Financial Management.

## Map Key

### Comprehensive High Schools

- 1: Everett High School
- 2: Cascade High School
- 3: Jackson High School
- 4: Proposed High School

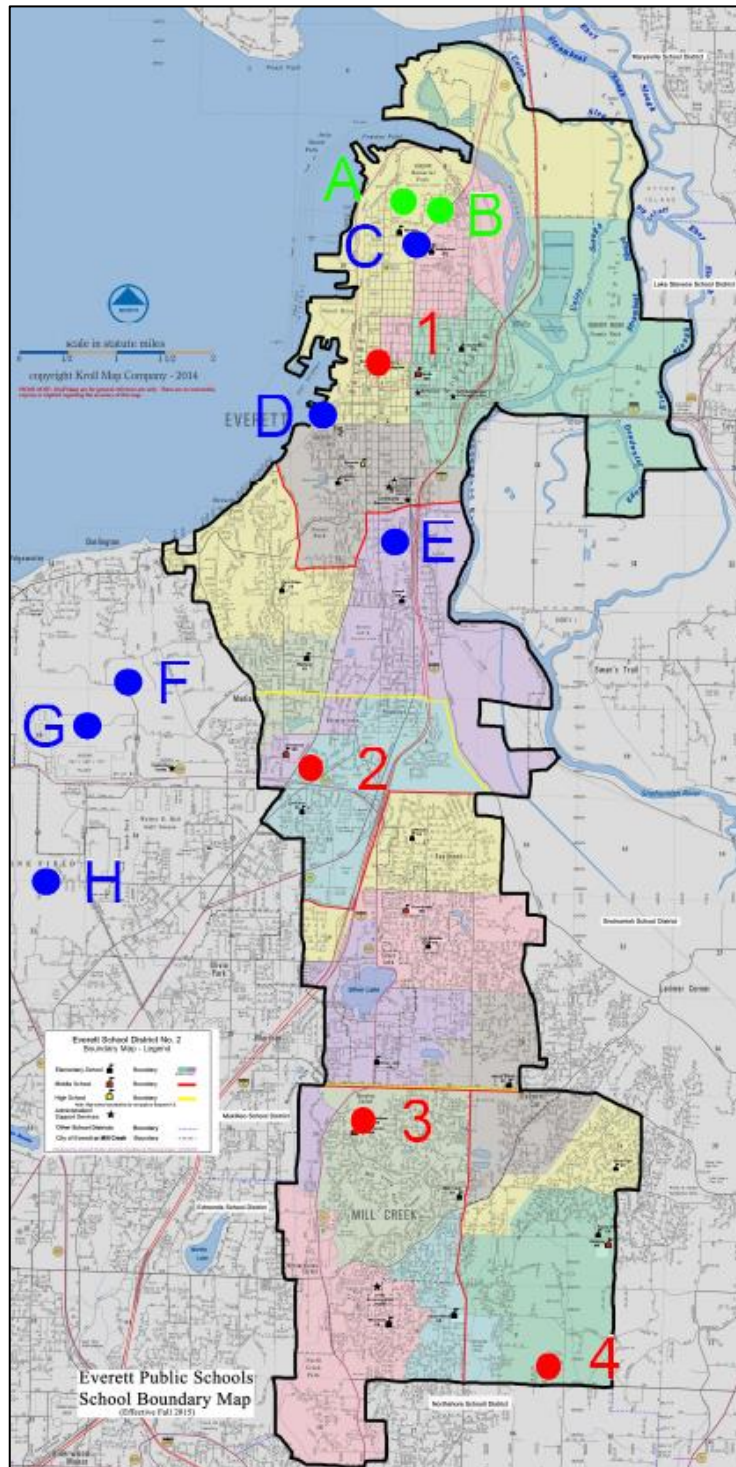
### Institutions of Higher Education

- A: Everett Community College
- B: WSU North Puget Sound

### Major Industry

- C & D: Providence
- E: Frontier Communications
- F: Fluke
- G: The Boeing Company
- H: Paine Field

## School District Map



## ***Board and Staff***

The district's board is composed of five members who are elected at large by district voters to serve overlapping four-year terms. Below are the names and term expirations of the present Board members.

<b>Name</b>	<b>Position</b>	<b>Occupation</b>	<b>Number of Years Served</b>	<b>Expiration of Current Term</b>
Caroline Mason	President	Owner, Marketing Company	3	12/2021
Carol Andrews	Vice President	Certified Public Accountant	9	12/2019
Ted Wenta	Member	YMCA Administrator	3	12/2019
Pam LeSesne	Member	Retired Military	5	12/2017
Traci Mitchell	Member	Pharmacy Manager	3	12/2021

As of June 1, 2017, Everett Public Schools had approximately 2,260 full-time and part-time employees, which includes 1,276 certified and 984 classified employees. The majority of the employees who are eligible under State law to be represented by a labor organization are employed under provision of negotiated contracts with the formally recognized collective bargaining units.

## ***Facilities***

The district operates 17 elementary schools, five middle schools, three high schools, one alternative high school, and one school that serves as a support center for homeschool families and students in grades K-12. As there continues to be significant regional growth, Everett Public Schools is in the process of building its 18th elementary school, and the 26 schools existing schools are augmented by 106 portables.

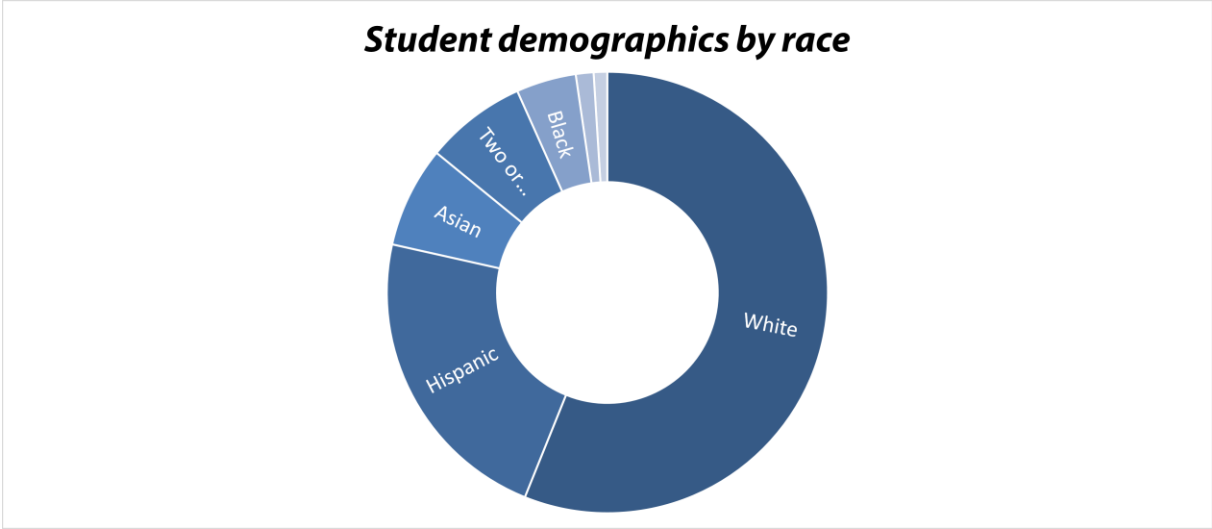
## ***Student Demographics***

According to the June 1, 2017 FTE count, Everett Public Schools provided instruction to 19,281 FTE students in grades kindergarten through 12. As the region has experienced growth, the district's student population growth has outpaced the growth of all other Snohomish County school districts.

From October 2015 to October 2016, student growth across Snohomish County increased by 781; Everett Public Schools accounted for 235 of the students. Moreover, projections suggest that Everett Public Schools student enrollment growth will continue well into the future.

Projected Enrollment 2026	North	Central	South
<b>Elementary School</b>	<b>3,344</b>	<b>3,384</b>	<b>3,499</b>
<i>Growth change from 2016</i>	147	224	252
<b>Middle School</b>	<b>1,831</b>	<b>969</b>	<b>1,997</b>
<i>Growth change from 2016</i>	102	106	137
High School	1654	1932	2418
<i>Growth change from 2016</i>	195	158	285
<b>Total</b>	<b>6829</b>	<b>6285</b>	<b>7914</b>
<b>Total growth change from 2016</b>	<b>444</b>	<b>488</b>	<b>674</b>

With enrollment growth, there has been an increase in student diversity. For the 2016-2017 school year, just over half of students, 56.1 percent, identified as white, while 22.4 percent identified as Hispanic, 7.4 percent as two or more races, 7.3 percent as Asian, 4.4 percent as Black, 1.3 percent as American Indian, and 1.0 percent as Pacific Islander. In addition, Everett Public Schools student population speaks 91 languages and has the highest number of homeless students in the county.



## Student Achievement

### State Assessments

Despite continued enrollment growth and increase in diversity, Everett Public Schools students continue to surpass statewide rates on the Smarter Balanced Assessment (SBA) in English Language Arts (ELA) and Math as well as the Measure of Student Progress (MSP) in Science.

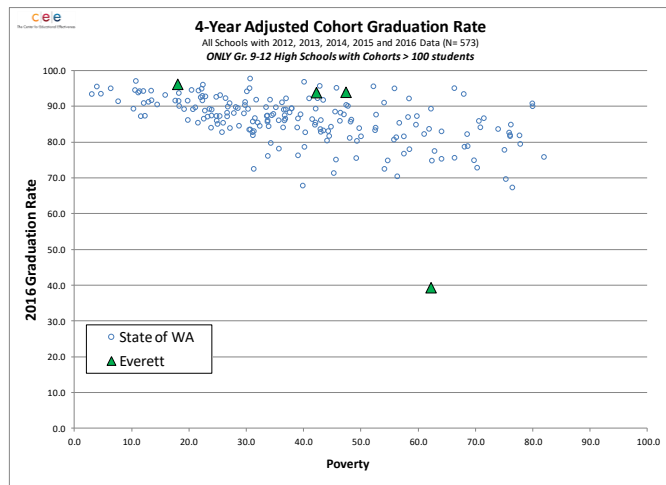
#### 2016 assessment results | Everett Public Schools percent difference compared to state average

	ELA	Math	Science
Grade 3	+7.0	+4.8	
Grade 4	+9.9	+9.7	
Grade 5	+12.4	+8.8	+10.9
Grade 6	+13.8	+5.2	
Grade 7	+16.2	+6.6	
Grade 8	+15.1	+6.6	+13.0
Grade 11	+6.9	+15.8	+5.7

### Graduation Rates

Everett Public Schools students' graduation rates continue to climb. The 2016 4-year graduation rate was 90.9 percent (as compared to Snohomish County at 79.6 percent, and the state at 79.1 percent); and the 5-year graduation rate was 94.7 percent (as compared to Snohomish County at 81.1 percent and the state at 81.9 percent).

The district's graduation rate for students of poverty outpace most schools of similar size across Washington State.



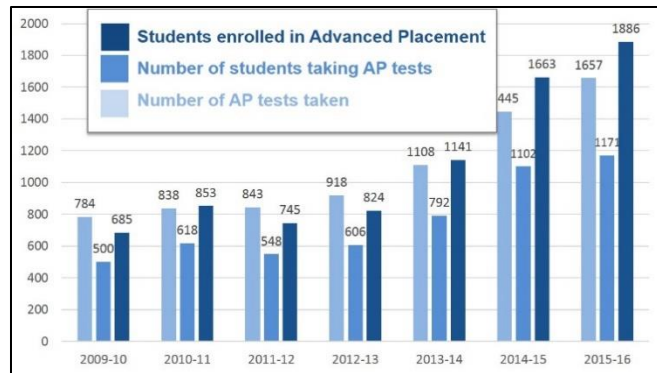
### Dual Credit Courses

Everett Public Schools students are provided opportunity to engage in rigorous coursework that often allows for dual credit, that is, high school and college credit. Example dual credit opportunities include Advanced Placement (AP), Tech Prep, College in the High School, and Running Start.



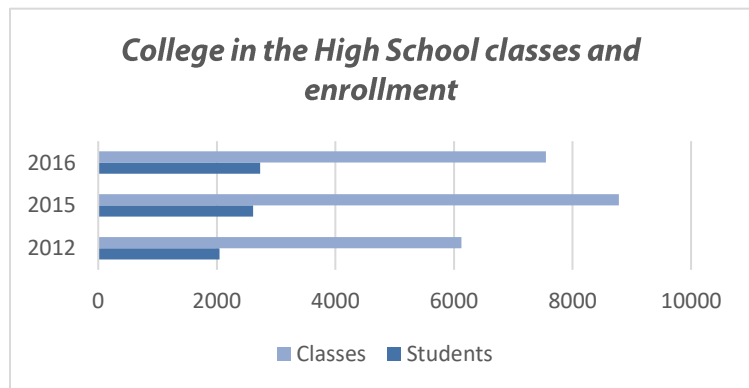
**Advanced Placement (AP)** courses enable students to take college-level course, taught by high school teachers, at the high school. Upon completion of the course, students take standardized exams. Colleges consider scores from the exams, and varying levels of credits are awarded.

During the 2016-2017 school year, Everett Public Schools offered 24 different AP course opportunities. The number of district students enrolled in AP course and taking AP examinations continues to grow.



**Tech Prep** is a cooperative effort between K-12 schools, community and technical colleges, and the business community to develop applied, integrated academic technical programs. High school teachers, at the high school, teach Tech Prep courses. Washington Tech Prep awards dual credit to high school students for Career and Technical Education (CTE) articulated to college programs. Over the 2015-2016 school year, 407 students received Tech Prep credit.

**College in the High School** provides college-level academic courses to 10th, 11th, and 12th grade students. High school teachers, with college curriculum and college textbooks, teach courses at the high school, with oversight by college faculty and staff.



During the 2016-2017 school year Everett Public Schools offered 30 different College in the High School courses. Student participation in College in the High School courses continues to increase.

**Washington state's Running Start** program allows 11th and 12th grade students to take college courses at Washington's community and technical colleges and at Central Washington University, Eastern Washington University, Washington State University, and Northwest Indian College.

In 2017, Everett Public Schools students participated in Running Start at Bellevue College, and Cascadia, Edmonds, Everett and Shoreline Community Colleges. There has been a continual increase in Running Start participation.

***Growth in Running Start enrollment***

Year	2012	2013	2014	2015	2016
Number of Students	257	280	308	333	362

***District Financials***

**General Fund Balance**

The Board’s policy sets a minimum reserve level to a total ending fund balance of 5 percent, and an unassigned ending fund balance of 2.5 percent of actual expenditures. Everett Public Schools utilizes a three-year fiscal projection to manage fund balance over multiple years. At the onset of the great recession the district enacted three consecutive years of cuts (FY 08-09; FY 09-10; and FY 10-11) totaling \$17 million. Following the 2012 McCleary decision, Everett Public Schools decided to spend down reserves to the 5 percent level in lieu of additional instructional program cuts. Through FY 12-13 and FY 13-14 as state funding began to increase, the decision was to reinvest in instructional programs rather than to build fund balance.

In the years to follow, the district has focused on rebuilding a fund balance to brace for the legislative uncertainty resulting in the Supreme Court ruling, holding the state Legislature in contempt of court for non-compliance with McCleary.

Fiscal Year	Available Fund Balance	% of Expenditures	Total Fund Balance	% of Expenditures
Projected 2017	\$17,425,339	7.0%	\$21,625,875	8.7%
Actual 2016	16,189,879	7.1%	20,388,922	8.9%
Actual 2015	9,485,753	4.5%	12,410,554	5.9%
Actual 2014	6,245,819	3.1%	9,642,864	4.8%
Actual 2013	6,169,202	3.3%	9,625,792	5.1%
Actual 2012	9,293,523	5.1%	11,836,101	6.5%
Actual 2011	7,944,719	4.4%	11,626,371	6.5%

## Maintenance and Operations Levies

In February 2014, the district's electorate approved a replacement four-year M&O Levy for collection in the amounts of \$48,000,000 in 2015, \$49,000,000 in 2016, \$53,000,000 in 2017, and \$51,000,000 in 2018.

### *Historical M&O levies*

Date	% Yes	Approved?
2014	60.74%	Y
2010	63.82	Y
2006	68.42	Y
2002	67.45	Y

The district's levy lid, including the temporary legislative increase in the levy lid by 4.0 percent, for 2017 is \$54,496,590, and the district's 2017 levy authorization represents 97 percent of that lid. The district does not expect to seek an additional increase of its levy amounts during the term of collection of its current levy pursuant to the 2010 Supplemental Levy Act.

## Capital Projects Levy

In February 2010, the electorate of the district of the district approved a 6-year Capital Projects Levy in the amount of \$8,000,000 for collection each year 2011 through 2016. On April 26, 2016, the electorate of the district approved (with 65.13 percent in favor) a replacement six-year Capital Projects Levy for safety, building, and instructional technology improvements in the amounts of \$19,000,000 for collection in 2017, \$19,000,000 for collection in 2018, \$12,906,000 for collection in 2019, \$12,906,000 for collection in 2020, \$12,906,000 for collection in 2021, and \$12,906,000 for collection in 2022. The district does not have an authorized transportation vehicle levy at this time. It is worth noting that the combined local operating funds for the district in 2016 (\$57,000,000) is nearly double the local dollar support received in 2006 (\$29,135,000). This reflects the growth of the district's tax base, particularly through new construction, and the tremendous support of its voters.

## The Economy

Everett is the State's seventh largest city and the largest city in the County, serving as the County's economic and cultural center as well as the County seat. The County's economy continues to diversify with major industries including aircraft production (anchored by the Boeing Company), electronics and electrical equipment manufacturing, health care, transportation, and a variety of other industrial and commercial businesses. The expanding economic base includes increasing port activity and the U.S. Navy's homeport in Everett.

The Boeing Company is the largest employer in the County with over 38,000 employees at its Everett facility. This facility produces 747, 767, 777 and 787 jetliners and is considered the largest manufacturing building in the world, at 472 million cubic feet of space, sprawled over 98.3 acres. In 2016, Boeing added a 1.3 million square-foot wing plant estimated at \$1 billion and a 200,000 square-foot expansion at its southeast corner used for technology to assemble the 777X fuselage.

The U.S. Navy operates a \$265 million homeport for a nuclear aircraft carrier battle group in Everett. Naval Station Everett (NSE) is home to five destroyers and one nuclear-powered aircraft carrier. There are approximately 6,500 military and a number of civilian employees employed at the base.

Health care is an important part of the Everett economy. Providence Everett Medical Center has two major campuses in Everett which together employ approximately 3,500 people. Providence facilities continue to expand and serve a five-county area and comprise one of the largest health care facilities in the State.

## Demographic Data

Historical population trends are presented below for the City of Everett, Mill Creek, the County and the State.

Year	City of Everett	City of Mill Creek	Snohomish County	State of Washington
2016	108,300	19,900	772,860	7,183,700
2015	105,800	19,760	757,600	7,061,410
2014	104,900	18,780	741,000	6,968,170
2013	104,200	18,600	730,500	6,882,400
2012	103,300	18,450	722,900	6,817,770

Source: Washington State Office of Financial Management.

## Major Taxpayers

The following table provides the ten largest taxpayers within the district on the basis of their 2016 tax collection year assessed valuation.

Taxpayer		Business	2016 Assessed Value	% of District's 2016 Bond Assessed Valuation (\$15,870,882,304)
1.	Frontier Communications NW Inc.	Telecommunications	\$85,132,035	0.54%
2.	Eqr - R E / Tax Dept.	Commercial Property	80,895,000	0.51
3.	Bre Silver MF Mill WA LLC	Apartments	79,580,000	0.50
4.	Bailey Farm Owner LLC	Apartments	74,869,720	0.47
5.	Everett Mall LLC	Shopping Mall	67,842,500	0.43
6.	Puget Sound Energy/Gas	Utility	56,692,696	0.36
7.	C/O UDR Property Tax Department	Commercial Property	48,950,500	0.31
8.	Providence Health & Services WA	Healthcare	46,880,033	0.30
9.	Panos Properties LLC	Mill Creek Town Center	45,520,100	0.29
10.	BRE Properties	Apts/Property Management	39,316,000	0.25
Totals			\$625,678,584	3.94%

Source: Snohomish County Assessor's Office.

## Assessed Value

The district's tax base grew at a strong pace again in 2016, with 9.1% growth and strong new construction amounting to 1.7% of the prior year's AV. The preliminary 2017 AV represents another strong increase of 9.2%, reaching 101% of its 2009 peak pre-recession value.

### Everett Public Schools | Assessed value

Tax Year	Amount	Annual % Increase	New Construction	New Construction as % of AV
Prelim. 2017	\$17,336,846,453	9.2%	\$254,907,000	1.6%
2016	15,870,882,304	9.1	247,431,380	1.7
2015	14,541,841,435	11.0	189,881,739	1.4
2014	13,106,149,336	10.0	196,965,006	1.7
2013	11,920,032,751	-6.1	86,712,739	0.7
2012	12,690,381,044	-11.2	74,226,116	0.5
2011	14,290,817,965	-9.4	124,650,042	0.8
2010	15,772,114,612	-7.9	108,548,922	0.6
2009	17,128,144,613	2.7	168,760,407	1.0

## Major Employers

The following table provides a list of the major employers in the County in 2015.

Employer	Product/Business	No. of Employees
The Boeing Company	Aircraft Manufacturing	38,000
U.S. Naval Station Everett	Military	6,500
Washington State (includes colleges)	Government	5,400
Providence Regional Medical Center	Medical Services	3,500
Tulalip Tribe Enterprises	Real Estate, Retail, Gaming	3,200
Snohomish County	Government	2,700
Premera Blue Cross	Health Insurer	2,400
Everett Clinic	Healthcare	2,150
Walmart	Retail	2,056
Everett School District	Education	2,025
Edmonds School District	Education	1,865
Swedish Edmonds Hospital	Healthcare	1,850
Phillips Medical Systems	Ultrasound Technology	1,800
Marysville School District	Education	1,693
Fred Meyer	Retail - Grocery	1,650
Safeway	Retail - Grocery	1,350
City of Everett	Government	1,327
Fluke Electronics (Danaher)	Electronic Test & Measurement	1,200
Monroe Correctional Complex	State Government - Corrections	1,000
Aviation Technical Services	Aircraft Maintenance	1,000

Source: Economic Alliance Snohomish County, 2015.

## Economic Developments

### Naval Station Everett Developments

In early 2016, the Navy announced a total of four Arleigh Burke-class guided missile destroyers would be coming to Everett, bringing with them approximately 1,240 crew on top of the 2,736 active-duty military and civilian personnel currently working at the base and on the two destroyers previously homeported here.

The first of the four destroyers, the USS Gridley, arrived in July 2016. It was followed by the USS Sampson in September 2016 and then the USS Kidd in November 2016.



The fourth destroyer, the USS Ralph Johnson, is still under construction at Huntington Ingalls Industries in Mississippi, and probably will not arrive before mid-2017.

The USS Nimitz aircraft carrier, with about 3,000 crew, might return in 2019 from Bremerton, where it has been undergoing extensive maintenance and modernization work. Preparing the base for their arrival is going to take some work. The base's public works department already is working on rebuilding the base's main gate to protect personnel from the weather, which represents a \$665,000 construction project. The base is also working on a 20-year development plan, which includes constructing new barracks for unaccompanied sailors, and also improving ship maintenance and waterfront facilities. Naval Station Everett generates an estimated \$475 million for the local economy, according to an Economic Alliance Snohomish County estimate.

### **Completion of Everett 777X Wing Plant**

Boeing celebrated its 100<sup>th</sup> anniversary in 2016. In February 2014, Boeing announced its decision to build its new 777X wing facility next to the widebody jet final assembly plant in Everett, assuring more than a decade of work on advanced composite materials for thousands of Snohomish County workers. The company invested upwards of \$4 billion in the plant to fabricate the giant advanced composite-plastic wing. At 114 feet long and 23 feet wide, it will be the largest wing Boeing has ever built.



Boeing built the facility on its existing Everett property, where today it assembles the current 777 as well as the 747, the 767 and the 787 jets. The high-tech wing facility alone is estimated by Boeing to provide 2,760 jobs at peak employment in 2024.



The building is 70 feet high, and 1.3 million sf, requiring an investment of up to \$1 billion to construct, with up to \$3 billion more spent on machinery and equipment. More than 1,200 trades workers have been on site building the new facility since October 2014, and the facility opened in May 2016.

The new factory will make the wing spars and skins, which will be assembled into completed wings inside the main factory. Production of parts is expected to begin in 2017. Boeing will also be planning the reconfiguration of its main assembly building to make room for a 777X final-assembly line.

## Developments in Health Care

**Seattle Children's Hospital** plans to open a major medical clinic in Everett in mid-2018, offering a wider range of outpatient medical services than now available at its offices in Mill Creek and Everett.



The new 36,600-square-foot building will cost about \$30 million. It will be constructed on Providence Regional Medical Center Everett's Colby campus on land leased from Providence. Outpatient medical specialty services will be similar to those available at the hospital's main campus in King County. Urgent care services will be available 7 days a week.

Children's current clinics in Snohomish County are at 900 Pacific Ave. in Everett and 12800 19th Ave. SE in Mill Creek. Collectively, they schedule about 11,000 outpatient appointments annually. Both clinics will close following the opening of the new Everett medical clinic.



**DaVita Healthcare purchased the Everett Clinic for \$405 million** in 2016. The Everett Clinic is a 20-site physicians practice with 315,000 patients and nearly \$400 million in annual revenue. DaVita

HealthCare Partners, Inc. is a Denver-based managed care giant and taxable Fortune 500 company.

## Expanding Institutions of Higher Education

**Construction is nearing completion for Washington State University North Puget Sound at Everett.** The new \$71 million, 95,000 sf facility is sited near the Everett Community College campus. The location will focus on programs in science, technology, engineering and math. Washington State University also plans to teach medical





students in Everett after it launches its new medical school starting in 2017. **Washington State University's Elson Floyd College of Medicine received its preliminary accreditation in October 2016** and is on track to enroll its inaugural class of 60 students in August 2017. The community-based model of medical education will be offered at four campuses—Everett, Spokane, Tri-Cities and Vancouver—and will help fill critical health care gaps in rural and medically underserved areas of Washington state. The College will have local partnerships with Providence, Everett Clinic, and Everett Community College.

**Everett Community College** is growing their training programs with a \$2.5 million investment in an expansion of their Advanced Manufacturing Training and Education Center. The 17,000 sf project will accommodate the addition of a mechatronics program as well as an expansion of their composites training. Increased demand is expected in both areas due to new technologies in aircraft fabrication as well as more retirements from an aging workforce. This latter situation applies to Boeing and the 200 local firms in their supply chain. ECC also added student housing, Mountain View Hall, which opened Fall 2016.



### **Commercial Air Service Coming to Paine Field**

Propeller Airports LLC, under a contract with Snohomish County, has launched the development a 29,000 sf terminal at Paine Field, designed to accommodate 24 commercial flights per day. A federal court ruled in March 2016 against a recent legal challenge to commercial service at Paine Field. The suit had sought to reverse a decision by the Federal Aviation Administration that the airport project did not require an environmental impact statement before moving forward.



### **Additional Regional Growth**

**Waterfront Place** is a five-district mixed-use development of potentially 1.5 million square feet, including a planned 660 housing units. The first phase of the project called **Fisherman's Harbor** is set to be completed by 2017 and includes 275 luxury housing units, eight restaurants, a public plaza and new dock walk.



The Port of Everett issued an RFQ for developers to build a 100-120-unit business-class hotel through ground lease in February 2016. On August 24, 2016, the Everett City Council granted final plat approval to **Polygon Northwest** for the **Overlook at Riverfront** which is the first phase of the Simpson site subdivision. This is the first of three phases to develop a total of 235 single-family homes. It includes creation of the first 70 lots along with supporting infrastructure and landscaping. **The Towns at Riverfront** is a 190 townhouse subdivision, which received preliminary plat approval in August 2016. The Port of Everett is serving as master developer. The entire development should be completed within 7-10 years.

**Fortive, the new corporate parent of Fluke Electronics**, opened its headquarters in Everett in July 2016. With an expected \$6 billion in revenues, it instantly became one of the biggest companies in the

state. Fortive will helm a group of 22 companies that are being spun off from **Danaher Corp.** and that will employ 20,000 people around the world. Fortive is big enough that it will land on the Fortune 500 list of largest companies in the world. The company's stock is publicly traded on the NYSE since July 2016. Fortive specializes in professional instrumentation, automation, sensing and transportation technologies. Fluke, at 6920 Seaway Blvd., fits under that umbrella as a test- and measurement-equipment company that employs about 2,400 people worldwide. The move is expected to bring only 50 new jobs to Everett, but it has become one of just 11 Fortune 500 companies based in Washington and the only one outside King County.

**Electric Mirror**, which makes mirrors with lights, televisions, Bluetooth and other high-tech devices, is expected to make \$60 million in revenue this year, employs 400 and recently opened a new manufacturing plant in Everett.

# **Everett Public Schools STEM Program**

## ***STEM for ALL***

STEM is an acronym referencing the content areas of science, technology, engineering and mathematics. Recognizing the impact of the region’s growing innovation economy, Everett Public Schools established a commitment and expectation of “STEM for All.” That is, rather than establishing a STEM specialty school, Everett Public Schools has developed program and infrastructure to support the growth of STEM knowledge and skills for each student, ensuring all district graduates have the opportunity to access careers in our innovation economy, as well as to be competent and engaged citizens in their future. This systemic commitment to, and expectation of, STEM for All supports the district’s vision for college, career, and life readiness.

To assure each student – even those typically underrepresented in STEM fields – is afforded STEM experiences, the district’s STEM programs very intentionally cross all regions of the district, and all grade levels, preK-12. STEM learning is comprised of standards-based core coursework in mathematics, science and engineering, and is complemented by CTE, or Career and Technical Education requirements. STEM experiences are provided not only by way of in-school experiences, but also as extended learning experiences, as well as in partnership with the community as career connected learning experiences.

## ***One to One Computing***

In support of most every learning experience (STEM and otherwise), this year Everett Public Schools has launched a 1 to 1 platform. Over the next five years the district will provide laptops to all middle and high school students, and similar laptop access for elementary students. The adoption has been launched by way of teachers receiving laptop devices and engaging in strategic professional development purposed with shifting instructional practice to authentically utilize the new technology. Over the course of the adoption (and with plans beyond the adoption cycle) teachers will receive both technical and instructional support.

## ***Career and Technical Education***

Career and Technical Education (CTE) is a term applied to educational programs that support students’ exploration of careers in high-demand, growth fields. Everett Public Schools CTE programs offer both classroom based academic and career-oriented courses as well as out of school extended learning and

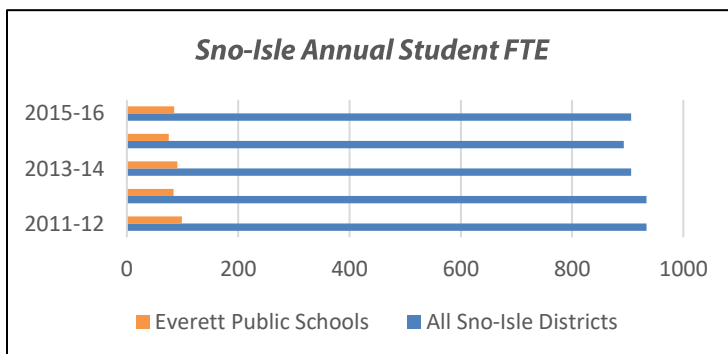
career connected learning experiences such as internships, job shadowing, competitions, and industry-certification opportunities. The district’s CTE programs begin in middle school, continue through high school, and align to post-secondary and industry training opportunities. An advisory council comprised of industry representatives guides the CTE program.

## CTE Courses

Everett Public Schools provides student opportunities in all of the 16 federally identified *career clusters* (see: <https://www.careertech.org/sites/default/files/CareerClustersPathways.pdf>). The district currently supports seven *CTE pathways*: Business and Marketing, Computer Science and Information Technology, Natural Resources and Sustainability, Engineering and Manufacturing, Health Science and Medical Careers, Human Services, and Visual Communications. The courses in these pathways support graduation requirements (achievement of a high school diploma), industry-recognized credential, and/or post-secondary certificate or degree. Many of Everett Public Schools CTE courses are cross-equivalent and dual credit eligible with science courses, affording students ability to earn both CTE credit as well as elective science credit and meet graduation requirements. CTE courses integrate rigorous academic standards such as the Next Generation Science Standards (NGSS), Common Core State Standards for Math (CCSS-M), as well as industry specific standards. CTE instructors are certified to teach CTE courses and receive ongoing professional development and support by an advisory of industry experts. See table at end of document for list of courses as aligned to CTE pathways.

## Skills Centers

In addition to CTE course offerings at middle and high schools, high school students can travel to a *skills center*. Skills centers are regional secondary schools that serve high school students from multiple school districts. They provide instruction in preparatory programs that are either too expensive or too specialized for school districts to operate individual. Currently there are 14 skills centers in Washington state. Everett Public Schools is the only school district to have membership at two skills center; the district has held membership at the Sno-Isle Skills Center for many years, and just this year also joined the Washington Network for Innovative Careers (WANIC) skills

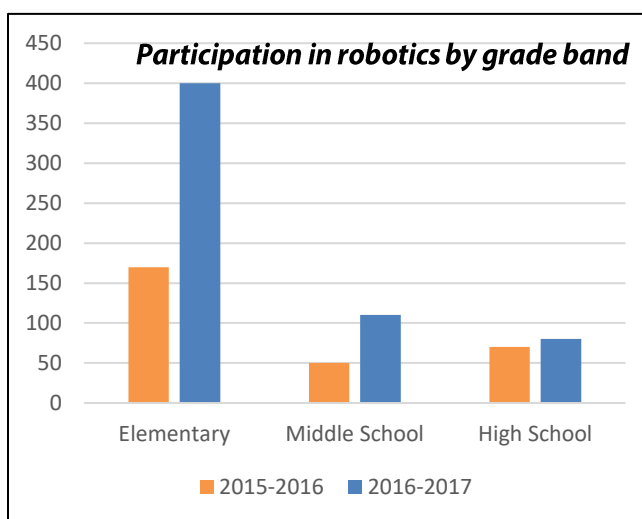


center. In addition to students attending the skills center, Everett Public Schools hosts skills center satellite courses on a district campus as part of the district's summer school program. This summer Everett Public Schools will host two Sno-Isle satellite courses, Sustainable Green Design and Biotechnology; and two WANIC satellite courses, DigiPen Video Game Design and DigiPen Art and Animation.

## Extended Learning Opportunities

Everett Public Schools further supports students' career pathways through an array of *extended learning* opportunities; extended learning opportunities incorporate a broad range of experiences that provide students with academic and enrichment beyond the typical school day. Example extended learning experiences include robotics clubs and career and technical student organizations.

**Afterschool robotics** clubs start in 2nd grade by way of the FIRST Lego League Junior program; currently Everett Public Schools hosts three FIRST Lego League Junior teams. Each elementary and middle school hosts at least two FIRST Lego League team (designed for 4th through 8th grade students). In addition, each comprehensive high school supports FIRST Tech teams. All of the robotics teams have opportunity to compete at the local, state, and for high school, national level.



**Career and technical student organizations** (CTSO) are extended learning organizations aligned to specific career sectors. CTSOs focus on development of character, citizenship, technical, leadership and teamwork skills that are vital for success in post-secondary and careers. Everett Public Schools hosts CTSOs in each high school. These include the Technology Student Organization (TSA), Health Occupations Students of America (HOSA), DECA (concentration on marketing and business), Technical Sports Medicine Association (TSMA) and Skills USA. High school CTSO participation increased from 395 in 2015-2016 to 630 in 2016-2017. In addition, TSA clubs were launched at three of the five middle schools, with 110 student participants.

## High School Signature STEM Programs

Everett Public Schools is in the process of establishing high school signature STEM programs. The high school signature STEM programs will integrate content and workplace practices providing foundation for student success in their pursuits to regional high demand careers. Core program staff, including CTE certified science teachers will collaborate with industry experts and regional institutions of higher education.

**Everett High School's Medical Pathways / Allied Health program** will be located in the school's vocational building. The three-story facility will include wet labs, patient care simulation, informatics lab, health career center, and flexible classrooms. Through this program, students will explore career opportunities such as medical assistants, primary care nurses and physicians, and behavioral health counselors.



**Cascade High School's Advanced Manufacturing and Aerospace program** will leverage the proximity to Boeing, aerospace suppliers, and a variety of manufacturing services that integrate throughout business sectors serving as core fabric to the regional economy. The program will be integrated into a space that replaces the auto shop, and located next to or integrated into the science building. Student will receive training and experience with industry standard equipment and technology providing in CAD/CAM Design, CNC machine operation, precision machining and measurement, riveting, and blueprint reading. Through this program, students will explore career opportunities such as precision machinist, electrical/mechanical engineer, production technician, precision metal fabricator, and industrial maintenance technician.



Initial consideration for signature STEM programs to be located at **Jackson High School and the planned comprehensive high school #4** include data science, medical devices and health science research.

## **Career Connected Learning**

Career connected learning refers to a continuum of programs designed to foster awareness, exploration, and preparation as related to careers. Awareness experiences can start elementary school. When in high school, students can participate in worksite learning, internship and pre-apprenticeship experiences.

Everett Public Schools STEM/CTE partners with local industry and community organizations to identify workplace learning experiences that support learning outside of the school setting. Current work includes the expansion of a summer internship program intended for incoming high school seniors. Students will identify an industry sector in which they have career aspirations and spend 90 hours working within an organization of that sector to learn the skills and knowledge necessary for success.



**2016-2017 CTE pathways | Course offering by school and student enrollment**

<b>Business and Marketing (Professional Services)</b>				
	<b>Everett HS</b>	<b>Cascade HS</b>	<b>Jackson HS</b>	<b>Students Enrolled</b>
Accounting I			X	28
Accounting II				
Business Law			X	27
Career Choices	X	X	X	50
Economics				
AP Macroeconomics		X		160
AP Microeconomics				
Marketing I	X	X	X	198
Marketing II	X	X	X	34
Marketing III	X	X	X	38

<b>Computer Science and Information Technology</b>				
	<b>Everett HS</b>	<b>Cascade HS</b>	<b>Jackson HS</b>	<b>Students Enrolled</b>
Exploring Computer Science	X	X	X	328
AP CS Principles	X	X	X	83
AP Computer Science A	X	X		53
Computer Programming 3			X	5
Computer Applications	X		X	183
CS and IT Internship				
Video Game Design				
Web Design	X			30

<b>Natural Resources and Sustainability</b>				
	<b>Everett HS</b>	<b>Cascade HS</b>	<b>Jackson HS</b>	<b>Students Enrolled</b>
AP Environmental Science	X	X	X	314
Enviro Systems Design	X	X	X	184

<b>Engineering and Manufacturing</b>				
	<b>Everett HS</b>	<b>Cascade HS</b>	<b>Jackson HS</b>	<b>Students Enrolled</b>
Engineering Your World	X	X	X	85
Principles of Manufacturing 1				
Principles of Manufacturing 2				
Astro and Aero Engineering			X	27
Physics by Design	X	X	X	214
Robotics Technology	X	X		

<b>Health Science and Medical Careers</b>				
	<b>Everett HS</b>	<b>Cascade HS</b>	<b>Jackson HS</b>	<b>Students Enrolled</b>
Family Health				
Intro to Sports Medicine	X	X	X	193
Sports Medicine I	X	X	X	43
Sports Medicine II	X	X	X	21
Anatomy and Physiology	X	X	X	210
Biotechnology		X	X	123

<b>Human Services</b>				
	<b>Everett HS</b>	<b>Cascade HS</b>	<b>Jackson HS</b>	<b>Students Enrolled</b>
Independent Living	X	X	X	142
Child Development			X	29
Nutrition I		X	X	203
Nutrition II		X	X	38
Psychology			X	164
AP Psychology		X	X	156

<b>Visual Communication</b>				
	<b>Everett HS</b>	<b>Cascade HS</b>	<b>Jackson HS</b>	<b>Students Enrolled</b>
Intro to Graphic Design				
Graphic Design I/II			X	62
Digital Photography I/II	X	X	X	
Video Production I/II/III		X		242
Publications I/II	X	X	X	190

\*Shaded rows indicate dual course credit: CTE credit and science elective credit