



## SCHOOL BOARD ACTION REPORT

**DATE:** June 22, 2018  
**FROM:** Dr. Larry Nyland, Superintendent  
**LEAD STAFF:** Michael Tolley, Associate Superintendent of Teaching and Learning, mftolley@seattleschools.org, (206) 252-0017; Kyle Kinoshita, Chief of Curriculum, Assessment and Instruction, kdkinoshita@seattleschools.org, (206) 252-0050; Caleb Perkins, Director of Career and College Readiness; cbperkins@seattleschools.org, (206) 252-0062

**For Introduction:** June 27, 2018

**For Action:** July 11, 2018

### 1. TITLE

Approve Purchase of Technology to Support the Career and Technical Education (CTE) program.

### 2. PURPOSE

The purpose of this Board action is to approve the purchase of technology. This will include computer carts and computers, primarily for CTE classrooms.

### 3. RECOMMENDED MOTION

I move that the School Board authorize the Superintendent to execute purchase orders through RFP No.06792 with Dell Thornburg for a Not-To-Exceed amount of \$550,000 and through the Sole Source Contract with Apple Computers for a Not-To Exceed amount of \$250,000 plus Washington State Sales Tax, over fiscal years 2017/2018, ~~summarized~~ in the ~~list form~~ of ~~projected~~~~the draft purchase~~ orders attached to the Board Action Report, with any minor additions, deletions, and modifications deemed necessary by the Superintendent.

### 4. BACKGROUND INFORMATION

- a. **Background** The district's Career and Technical Education (CTE) program received additional funds from the state this year to support its program. In response, the district's Career and Technical Education team worked with CTE teachers, school administrators, staff from the Department of Technology Services (DoTs), and staff from the Budget Office to determine how best to use these funds. We decided to make our annual effort to replace outdated computers in CTE classrooms a focus for the available dollars, particularly given that many classrooms had computers that were more than eight years old. The CTE team then worked with DoTs to develop a detailed classroom-by-classroom plan. As part of this effort, we developed a technology rotation schedule for future replacement. These efforts were directly connected to many components of our Board-approved Career and Technical Education (CTE) Annual Report, including additional investments in computer science and STEM outlined in Strategy 1 of that report and improving the quality of our courses described in Strategy 2 of that report. As we did the classroom-by-classroom review of inventory, we concluded that we would need to develop a Board Action Report to authorize these purchases and submit this BAR as soon as possible given that the computers and equipment will have to be received by the end of August per state guidelines on CTE funding.

- b. **Alternatives** - Do not approve this motion. - This is not recommended. The number of computers available for student use will continue to decrease as the current equipment becomes too old to properly function. Not replacing these computers will diminish our opportunity to utilize technology effectively in our CTE programs. In addition, there are classes scheduled to run in 2018-19 that need this updated technology. Moreover, while the district could look for other ways to use this funding to support our CTE programs, state CTE funding requires that the purchases be fully completed by August 31<sup>st</sup> and thus, there would be a significant risk of having to return some of these dollars to the state.
- c. **Research** The CTE team worked with DoTs to develop a detailed classroom-by-classroom plan.

**5. FISCAL IMPACT/REVENUE SOURCE**

Fiscal impact to this action will be the one-time cost for the purchase of Dell computers for a total not to exceed \$550,000.00 and Apple computers for a total not to exceed \$250,000.00. The revenue source for this motion is the state CTE funding.

- Expenditure:     One-time     Annual     Multi-Year     N/A
- Revenue:         One-time     Annual     Multi-Year     N/A

**6. COMMUNITY ENGAGEMENT**

With guidance from the District’s Community Engagement tool, this action was determined to merit the following tier of community engagement:

- Not applicable
- Tier 1: Inform
- Tier 2: Consult/Involve
- Tier 3: Collaborate

The district’s Career and Technical Education team worked with CTE teachers, school administrators, staff from the Department of Technology Services, and staff from the Budget Office to determine how best to use these funds. In particular, these plans were discussed at the quarterly all-CTE teacher and pathway advisory meetings. The CTE team then worked with DoTs to develop a detailed classroom-by-classroom plan.

**7. EQUITY ANALYSIS**

Following the analysis of equitable access to programs in the district’s Annual CTE plan, this purchase is an effort to provide more equitable access to high quality CTE programs across the district.

**8. STUDENT BENEFIT**

Career and Technical Education (CTE) is a planned program of courses and standards that begins with exploration of career options, supports academic and life skills, and enables achievement of high academic standards, leadership development, and preparation for career and college. A sequence of courses can provide students with employability skills for internships, apprenticeships, preparation for

industry certification, and pursuing career options in college. Providing updated technology will help enhance the courses the district offers to students and ensure that they better meet industry standards.

**9. WHY BOARD ACTION IS NECESSARY**

- Amount of contract initial value or contract amendment exceeds \$250,000 (Policy No. 6220)
- Amount of grant exceeds \$250,000 in a single fiscal year (Policy No. 6114)
- Adopting, amending, or repealing a Board policy
- Formally accepting the completion of a public works project and closing out the contract
- Legal requirement for the School Board to take action on this matter. Per RCW 28A.700.010, annual local school board approval of the District’s career and technical education plan is required.
- Board Policy No. 2170, Career and Technical Education, provides the Board shall approve this item
- Other: \_\_\_\_\_

**10. POLICY IMPLICATION**

Per Board Policy No. 6220, Procurement, any contract over \$250,000 must be brought before the Board for approval.

**11. BOARD COMMITTEE RECOMMENDATION**

This item was not presented to a committee because the situation became known after the last Operations Committee of the school year. Given the need to complete these purchases by August 31<sup>st</sup> per state guidelines on CTE funding, this motion is being brought straight to the full board.

**12. TIMELINE FOR IMPLEMENTATION**

Upon Board approval of this motion, purchase orders will be executed to begin the procurement process. Per state guidelines, the computers and equipment will have to be received by the end of August.

**13. ATTACHMENTS**

- Summary of proposed CTE technology purchases by school and teacher
- [Summary of proposed CTE 2017-18 technology purchases by school and teacher with descriptions](#)
- [Overview of SPS CTE 2017-18 spending – key discretionary items](#)



# School Board Action Report

## Approve Purchase of Technology to Support the Career and Technical Education (CTE) program

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For questions and more information about this document, please contact the following:

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This Board Action Report outlines the request to spend \$800,000 of CTE 2017/18 funding on technology (specifically computers, monitors & laptop carts) from Thornburg Computers & Apple.

BAR - Approve Purchase of Technology to Support the Career and Technical Education (CTE) program

List of Machines by Schools and Programs

HS or MS	School	Room	Program	Teacher	Type	Original Purchase Date	# Machines
HS	BAL	SW126	Photography	Gina O'Neill	MAC	3/1/12	7
HS	BAL	SW123	Yearbook/Journalism	Michael Smith	MAC	3/1/12	11
HS	BAL	SW122	Yearbook/Journalism	Michael Smith	MAC	3/1/12	1
HS	HAL	1102	Yearbook/Graphic Arts	Michael Snyder	MAC	3/1/13	25
HS	HAL	1205	Photography	Stefanie Arneson	MAC	3/1/13	18
HS	ROS	251	Photography	Cecelia Otto	MAC	6/14/12	17
HS	SLK	1126	Personal Choices	Michelle Spenser	MAC		1
HS	WST	103	Photography	Michelle Sloan	MAC	5/1/13	32
HS	CLE	1172	Computer Science	Keith Morris /Ann Stuck	PC	10/8/13	<del>30</del> 32*
HS	CLE	2158	BioTech	Grant Storey	PC	6/1/10	4
HS	FRK	17/19	Culinary	Lana Salisbury	PC	1/1/11	3
HS	FRK	309	Accounting	Barbara Lynch	PC	12/12/13	32
HS	HAL	N/A	Career Essentials	TBD	PC		36
HS	HAL	1134	Career Essentials	Ann Marie Plumper	PC		2
HS	ING	114	Career Essentials	Jessica Monfils	PC		2
HS	JSCEE	3283	Office Staff: CTE	N/A	PC	Mostly 2013	9
HS	KNH	1204	Radio	June Fox	PC	5/1/10	8
HS	KNH	1204	Radio	June Fox	PC	6/1/11	8
HS	<del>KNH</del>	<del>1204</del>	<del>Radio</del>	<del>June Fox</del>	<del>PC</del>	<del>12/4/12</del>	<del>1</del>
HS	RBC	148	SKC	Cindy Hess	PC		7
HS	RBC	148	SKC	Cindy Hess	PC		3
HS	RBC	123	Yearbook	Matthew Holt	PC	11/30/12	30
HS	ROS	135	Sign Language	Chloe Taylor	PC		3
HS	ROS	217	PLTW	Karl Ruff	PC	6/13/12	30
HS	ROS	271	Human Services	Robin Ogburn	PC	8/12/09	3
HS	ROS	311/340	Finance/Law	Liz MacLennan/new	PC	6/14/12	29
HS	ROS	321/311	Business/Marketing	Michelle Carter	PC	6/14/12	29
HS	ROS	265	Psychology	Wendy Arness	PC	6/14/12	5
HS	SLK	1126	Consumer Science	Michelle Spenser	PC	N/A	7
HS	SLK	1126	Consumer Science	Michelle Spenser	PC		5
HS	SLK	1122	Recording Arts	Frank Walton Jr.	PC		9*
HS	WAS	AUTO	Auto Shop	Kary Schneider	PC	10/25/10	10
HS	WST	140	Health	Tamara Boynton	PC		2
HS	WST	147/9	Culinary	Raya Klein	PC		1
HS	WST	230	SKC	Megan McQuade	PC		8
HS	ALL	N/A	Career Connected Learning	Career Specialists	PC		7*
MS	AKI	113	STEM	Mark Watling	PC		15
MS	ECK	134	Computer Science	Daniel Johnson	PC	5/19/14	34

*Italics: Information added since posting in 6/22/18*

*\* and Strikethrough: Information added/changed since board meeting on 6/27/18*

*BAR - Approve Purchase of Technology to Support the Career and Technical Education (CTE) program*

*List of Machines by Schools and Programs*

<b>HS or MS</b>	<b>School</b>	<b>Room</b>	<b>Program</b>	<b>Teacher</b>	<b>Type</b>	<b>Original Purchase Date</b>	<b># Machines</b>
MS	MCL		PLTW (new)	Cheryl Phillips	PC		32
MS	MER	204	STEM	Emily Elasky	PC	1/14/16	16
MS	RES		PLTW	Chandler Dennison	PC	7/1/17	8

*Italics: Information added since posting in 6/22/18*

*\* and Strikethrough: Information added/changed since board meeting on 6/27/18*

**SPS CTE SY2017-2018 Technology Purchases with Descriptions\***

HS or MS	School	Room	Program	Teacher	Type	Purchase Date	#Machines	Reason/Description of Use
HS	BAL	SW126	Photography	Gina O'Neill	MAC	3/1/12	7	Outdated Technology-Rotation— Students use technology to learn to use graphic software to manipulate and enhance photos
HS	BAL	SW123	Yearbook/Journalism	Michael Smith	MAC	3/1/12	11	Outdated Technology-Rotation Student use technology for layout of paper/yearbook, writing and submission of articles
HS	BAL	SW122	Yearbook/Journalism	Michael Smith	MAC	3/1/12	1	Outdated Technology-Rotation Student use technology for layout of paper/yearbook, writing and submission of articles
HS	HAL	1102	Yearbook/Graphic Arts/Design	Michael Snyder	MAC	3/1/13	25	Outdated Technology-Rotation Students use technology to learn to use graphic software to manipulate and enhance photos
HS	HAL	1205	Photography	Stefanie Arneson	MAC	3/1/13	18	Outdated Technology-Rotation Students use technology to learn to use graphic software to manipulate and enhance photos
HS	ROS	251	Photography	Cecelia Otto	MAC	6/14/12	17	Outdated Technology-Rotation Students use technology to learn to use graphic software to manipulate and enhance photos

HS	SLK	1126	Personal Choices	Michelle Spenser	MAC		1	Outdated Technology-Rotation Students use technology to access internet to support curriculum, Microsoft Office to develop assignments, take teacher created assessments, collaborate with other students, develop presentations.
HS	WST	103	Photography	Michelle Sloan	MAC	5/1/13	32	Outdated Technology-Rotation Students use technology to learn to use graphic software to enhance photos
HS	CLE	1172	Computer Science	Ann Stukenberg	PC	10/8/13	32	Outdated Technology-Rotation Students use technology to computer programming applications
HS	CLE	2158	BioTech	Grant Storey	PC	6/1/10	4	Outdated Technology-Rotation Students use technology for real-time communication experiences with researchers, project development, computing resources that will allow access to tools, data bases, and software that are skill sets in modern biotechnology  Students use technology to access processing software such as STATA, R, and Python to begin to interpret the power of genetic testing and gene expression research; search sequencing data, molecular modeling software which allows student to



								access and view molecular changes and mutation at the 3D level.
HS	FRK	17/19	FCS	Lana Salisbury	PC	1/1/11	3	Outdated Technology-Rotation Students use technology for industry certification testing, food handlers permit, safety videos and testing; to prepare presentations, support writing, support learning through nutrition research, recipe development, student presentations
HS	FRK	309	Accounting	Barbara Lynch	PC	12/12/13	32	Outdated Technology-Rotation- Students use technology to access curriculum resources/online textbook, Applia application software and testing, industry-standard accounting software, NAF curriculum
HS	HAL	N/A	Career Essentials	TBD	PC	New	36	CCL/New Course Students use technology to engage in career exploration, portfolio development, and engage in work that supports OSPI technology learning standards
HS	HAL	1134	FCS	Ann Marie Plumper	PC		2	Outdated Technology-Rotation Students use technology to access industry certification testing, food handlers permit, safety videos and testing; prepare presentations, support writing, support learning through nutrition research, recipe development, career exploration
HS	ING	114	FCS	Jessica Monfils	PC		2	Outdated Technology-Rotation

								Students use technology to access industry certification testing, food handlers permit, safety videos and testing; prepare presentations, support writing, support learning through nutrition research, recipe development, career exploration
HS	JSCEE	3283	CTE	N/A	PC	2013	9	Outdated Technology-Rotation Staff use technology to support teachers, develop curriculum, engage in grant writing, use Schoology, support professional development
HS	KNH	1204	Radio	June Fox	PC	5/1/10	8	Outdated Technology-Rotation Students use technology to research daily current news to develop script for daily radio shows, research radio shows, support daily studio/station operations, facilitate running radio equipment
HS	KNH	1204	Radio	June Fox	PC	6/1/11	8	Outdated Technology-Rotation Students use technology to research daily current news to develop script for daily radio shows, research radio shows, support daily studio/station operations, facilitate running radio equipment
HS	RBC	148	SKC	Cindy Hess	PC	New	7	Adding additional computers to support equitable access to technology. Students use technology to access industry certification testing, food handlers permit, safety videos and

								testing; prepare presentations, support writing, support learning through nutrition research, recipe development, career exploration
HS	RBC	148	SKC	Cindy Hess	PC	New	3	Adding additional computers to support equitable access to technology. Students use technology to access industry certification testing, food handlers permit, safety videos and testing; prepare presentations, support writing, support learning through nutrition research, recipe development, career exploration
HS	RBC	123	Yearbook	Matthew Holt	PC	11/30/12	30	Outdated Technology-Rotation Students use technology to access a computer science application, business management course, curriculum, graphic arts and Adobe Cloud applications
HS	ROS	135	Sign Language	Chloe Taylor	PC	New	3	Program Enhancement Students use technology to develop and review videos; evaluation and assessment for sign language, career exploration
HS	ROS	217	Project Lead the Way (PLTW)	Karl Ruff	PC	6/13/12	30	Outdated Technology-Rotation Students use technology to access engineering/architectural design lab
HS	ROS	271	FCS	Robin Ogburn	PC	8/12/09	3	Outdated Technology-Rotation Students use technology to access industry certification testing, food handlers permit, safety videos and testing; prepare presentations,

								support writing, support learning through nutrition research, recipe development, career exploration
HS	ROS	311/340	Finance/Law	Liz MacLennan/new	PC	6/14/12	29	Outdated Technology-Rotation Students use technology to access to curriculum resources, Applia application software and testing, industry standard in accounting software, assessments, project development, and collaboration with students at the high school and the University of Washington.
HS	ROS	321/311	Business/Marketing/DECA	Michelle Carter	PC	6/14/12	29	Outdated Technology-Rotation Students use technology to access online curriculum purchased for classrooms, student assessments, CTSO project development, career exploration, MS Office for projects, writing and, data
HS	ROS	265	FCS	Wendy Arness	PC	6/14/12	5	Outdated Technology-Rotation Students use technology to access industry certification testing, food handlers permit, safety videos and testing; prepare presentations, support writing, support learning through nutrition research, recipe development, career exploration
HS	SLK/SKC	1126	FCS/Career in Ed/Personal Choices	Michelle Spenser	PC	N/A	7	Equitable access to technology—small school program Students access technology to prepare presentations, support writing, access resources online to support current curriculum, career

								exploration, lesson development, assessments
HS	SLK/SKC	1126	FCS/Career in Ed/Personal Choices	Michelle Spenser	PC		5	Outdated Technology-Rotation— Equitable access to technology— small school program  Students access technology to prepare presentations, support writing, access resources online to support current curriculum, career exploration, lesson development, assessments
HS	SLK		Recording Arts	Frank Walton Jr.	PC		9	Equitable access to technology— small school program; New program growth projected future outreach to Rainier Beach HS to partner additional elective opportunities for students; Students access technology for career exploration, learn and use industry standard Appleton application for recording arts.
HS	WAS	AUTO	SKC Auto Shop	Kary Schneider	PC	10/25/10	10	Outdated Technology-Rotation— Students access technology for industry certification for automotive, curriculum, career exploration
HS	WST	140	FCS	Tamara Boynton	PC		2	Outdated Technology-Rotation Students access technology to prepare presentations, support writing, support learning through nutrition research, recipe development
HS	WST	147/9	FCS	Raya Klein	PC		1	Outdated Technology-Rotation

								Students use technology to access industry certification testing, food handlers permit, safety videos and testing; prepare presentations, support writing, support learning through nutrition research, recipe development, career exploration
HS	WST	230	SKC	Megan McQuade	PC		8	Outdated Technology/Water Damage  Students use technology to access industry certifications, CPR, AED certifications, safety videos and testing, research and project development in nursing and healthcare.
HS	ALL	N/A	Career Connected Learning	Career Center Specialists	PC		7	Equitable access to career and college resources/staff
MS	AKI	113	STEM	Mark Watling	PC		15	Outdated Technology-Rotation  Students use technology to access Gateways PLTW Engineering Design and Modeling applications.
MS	ECK	134	Computer Science	Daniel Johnson	PC	5/19/14	34	Outdated Technology-Rotation  Students use technology to access computer science applications and programming
MS	MCL		PLTW (new)	Cheryl Phillips	PC	New	32	MS Program Growth Students use technology to access Gateways PLTW Engineering Design and Modeling applications
MS	MER	204	STEM	Emily Elasky	PC	1/14/16	16	MS Program Growth

								Students use technology to access Gateways PLTW Engineering Design and Modeling applications
MS	RES		PLTW	Chandler Dennison	PC	7/1/17	8	Program Enhancement— Students use technology to access Gateways PLTW Engineering Design and Modeling applications

\*This list of technology purchases was added to the Board Action Report to provide additional information on the rationale for each purchase.

## Overview of SPS CTE 2017-18 Spending – Key Discretionary Items

### Introduction:

In response to a request from the Board at the June 27th Regular Meeting for more information on the SPS Career and Technical Education program budget, this document provides an overview of key discretionary spending items for the 2017-18 fiscal year. The total 2017-18 state allocation for the SPS Career and Technical Education program is over \$11 million with the vast majority of those dollars going to schools for non-discretionary items, including site-based CTE certificated staff. The detailed information in this document provides a descriptive list of the discretionary items for purchase after consulting with SPS teachers and administrators.

As context, the district developed and the Board approved in May a CTE plan per Board Policy 2170 that outlined seven strategies with emphasis to evaluate and update programs to reflect labor and industry needs to prepare students for high demand/family wage careers. CTE discretionary spending for this year and next support the approved CTE strategic plan's outlined strategies:

Strategy 1: Evaluate CTE program offerings to provide viable career pathways for future and current workforce demands

Strategy 2: Increase rigor throughout our CTE Programs

Strategy 3: Expand internships and work-site learning opportunities

Strategy 4: Improve facilities and viability of the Seattle Skills Center

Strategy 5: Improve central office program administration and support to schools

Strategy 6: Expand partnerships and community outreach

Strategy 7: Improve marketing and branding

### SY 17-18 Spending on Key Discretionary Items Aligned to 7 Strategies:

- Strategy 2,7-Increase access to Pathways: (\$356,369)
  - Increase MS STEM CTE courses at MS
  - Develop sustainable IT pathway
  - Support TSA at middle schools
  - Additional FTE to grow Marketing Program, Roosevelt
  - Increase access to Career Connected Learning
  
- Strategy 1,3,6,7: Update current pathway programs to industry standards (\$964,535)
  - Technology/equipment repair/replacement (Develop 5-year computer lab replacement rotation)
  - New course development, curriculum and equipment
  - Frameworks Program Manager: Program Re-approval/Approval Process



**Overview of SPS CTE 2017-18 Spending – Key Discretionary Items**

- Support extended Leadership/non-trad opportunities for students with teacher supervision, transportation, and affiliations.

SY17-18 ITEMIZED DETAIL:

<b>Spending Group</b>	<b>Pathway</b>	<b>Location</b>	<b>Teacher</b>	<b>Spending Description</b>	<b>\$ Amount</b>
Increase Pathway Access	Automotive	Ingraham	Chris von Ravensberg	NATEF Certification: Registration for training (profession Dev)	\$ 550
Increase Pathway Access	Business & Marketing	Roosevelt/Ballard/Franklin	Accounting Teachers (Carter/Blazevic/Lynch)	Curriculum update; Textbook replacement for out of date books/resources	\$ 27,261
Increase Pathway Access	CCL Specialists	ALL	CCL Specialists	Laptops—equity with teachers, one to one with students, increase mobility	\$ 8,447
Increase Pathway Access	Culinary	Skills Center	Cynthia Hess	Move Culinary Equipment: Hobart Mixer (Garfield to RB), Proofing Oven (Garfield to Ingraham or RB Skills Ctr), Fryer (Roosevelt to RB, Skills Ctr and install)	\$ 600
Increase Pathway Access	Culinary	Roosevelt	Andrew Chamberlin	Equitable access; Commercial kitchen Installation - estimate	\$ 1,500
Increase Pathway Access	FACS	ALL	Health Teachers	Curriculum; Updated Health Textbook (current is 2001)	\$ 43,589
Increase Pathway Access	FACS	Hale	Devora Eisenberg	New course curriculum; Psychology books	\$ 16,010
Increase Pathway Access	FACS	Ingraham	Jessica Monfils/All	Classroom curriculum storage; Shelving	\$ 643

Overview of SPS CTE 2017-18 Spending – Key Discretionary Items

Increase Pathway Access	FACS	Lincoln	Culinary	New School start up; Culinary classroom set-up	\$ 20,000
Increase Pathway Access	FACS	Roosevelt	Wendy Arness	Curriculum update; New AP Psychology edition books	\$ 6,009
Increase Pathway Access	Health Science	Skills Center	Megan McQuade	Industry standard compliance for certifications; access/equity to industry certification Bed & updated manikins-	\$ 5,600
Increase Pathway Access	Information Technology	ALL	AP Computer Science Teachers	Updated AP CS A1 textbook (aligns with CIHS)	\$ 20,000
Increase Pathway Access	Internships		Lilna Givens-Williams	Docking station-replacement for outdate desktop, increase one to one access with students, increase mobility to schools	\$ 116
Increase Pathway Access	Photo/Video	Franklin	Eric Faulkner	Increase program equity with other programs district wide--Canon cameras	\$ 85,000
Increase Pathway Access	PLTW	Roosevelt	Karl Ruff	Address safety and supervision: remove walls, and add fence	\$ 40,000
Increase Pathway Access	SKC Summer Site Coordinators	Skills Center	Summer	Assistance with instructional support for Summer Skill Center	\$ 19,734

**Overview of SPS CTE 2017-18 Spending – Key Discretionary Items**

Increase Pathway Access	STEM	Mercer	Emily Elasky	VEX Robotics field and kits, increase access to leadership activities	\$ 5,066
Increase Pathway Access	STEM	Middle Schools	Emily Elasky & David Parker	VEX V5 Programming & Robotics Course; increase access to leadership activities	\$ 2,631
Increase Pathway Access	Summer Hours	JSCEE	Susan Grant & Maria Herra-Lofton	Career Connected Learning/SKC Summer Support/Pathway Work	\$ 12,156
Increase Pathway Access	Summer Internship Supervisors	Various	TBD	Supports the summer internship work	\$ 35,400
Increase Pathway Access	T&I	Ingraham	Chris von Ravensberg	Automotive Program: Textbook replacement—NATEF compliant	\$ 4,558
Increase Pathway Access	T&I	Middle Schools	Craig Parsley	MS TSA Leadership - extra time	\$ 1,500
				Subtotal	\$ 356,369

Overview of SPS CTE 2017-18 Spending – Key Discretionary Items

Spending Group	Pathway	Location	Teacher	Spending Description	\$ Amount
Update Pathway Programs	Ag	Ballard	Noam Gundle	Biotech curriculum resources; Supplies	\$ 155
Update Pathway Programs	ALL	ALL	ALL	Office supplies; Labels for equipment	\$ 22
Update Pathway Programs	All	CTE Department	CTE Staff	Storage to increase working space. Cabinets: under window closed/locking storage	\$ 990
Update Pathway Programs	All	Middle Schools	various	Middle School Equipment - computer labs 5 middle schools	\$ 155,962
Update Pathway Programs	All	Various	Multiple	HS Labs: upgrade and replace as needed	\$ 648,084
Update Pathway Programs	BioTech	Ballard	Penny Pagels	Equipment update; Pipette calibration	\$ 500
Update Pathway Programs	Bus Ed, Mktg, CS	Ballard	Carol Faust	Office Supplies; Markers, pens, etc	\$ 241
Update Pathway Programs	Bus Ed, Mktg, CS	Ballard	Mary Jereczek	Program resources; Printer	\$ 844
Update Pathway Programs	Bus Ed, Mktg, CS	Ballard	Jim Verhaeghe	Office supplies; Classroom supplies	\$ 623
Update Pathway Programs	Bus Ed, Mktg, CS	Garfield	Corey Martin	Classroom need; 15 chairs with wheels	\$ 1,919
Update Pathway Programs	Bus Ed, Mktg, CS	Garfield	Earl Bergquist	Program resources; Laserjet Printer and toner	\$ 1,178
Update Pathway Programs	Bus Ed, Mktg, CS	Roosevelt	Ashley Myers	Classroom supplies; toner cartridges	\$ 166

**Overview of SPS CTE 2017-18 Spending – Key Discretionary Items**

Update Pathway Programs	Bus Ed, Mktg, CS	Roosevelt	Liz MacLennan	Classroom supplies; toner cartridges	\$ 157
Update Pathway Programs	Bus Ed, Mktg, CS	Roosevelt	Michelle Carter	Classroom supplies; toner cartridges	\$ 400
Update Pathway Programs	Carpentry	West Seattle	Paul Savino	Program update/equity; Laser Engraver, Rhino 6.0, Autodesk Training	\$ 29,295
Update Pathway Programs	Construction, Wood working	Ballard	John Foster	Program equipment replacement/equity; Band Saw, Drill Press, Spindle Sander	\$ 4,115
Update Pathway Programs	Construction, Wood working	Franklin	Mike Lawson	Classroom safety and access; Remove old lathe and install new	\$ 500
Update Pathway Programs	Construction, Wood working	Franklin	Mike Lawson	Program Safety and access; Installation of sawdust collector (safety issue)	\$ 7,000
Update Pathway Programs	Construction, Wood working	Franklin	Mike Lawson	Program Equity; Purchase of lathe & sander	\$ 16,072
Update Pathway Programs	Construction, Wood working	Franklin	Mike Lawson	Program equity; Drum Sander	\$ 6,949
Update Pathway Programs	Construction, Wood working	Franklin	Mike Lawson	Equipment Safety upgrade; Repair 2nd lathe	\$ 500
Update Pathway Programs	Construction, Wood working	West Seattle	Paul Savino	Equipment Safety upgrade; saw stop	\$ 593
Update Pathway Programs	Culinary	Garfield	Kimberly Elias	Equipment replacement/Update; Cusinart Pro Pasta Maker, Kitchen Aid Hand Mixers, Stanton Chef Knife	\$ 899

Overview of SPS CTE 2017-18 Spending – Key Discretionary Items

Update Pathway Programs	Culinary	Garfield	Kimberly Elias/Jannette Manuel	Equipment replacement; Cutlery	\$ 127
Update Pathway Programs	Culinary	Ingraham	Jessica Monfils	Equipment replacement; Fridge, Dryer, Cuisinart	\$ 5,276
Update Pathway Programs	Culinary	Ingraham	Jessica Monfils	Water Filters, Gourmet Whip Culinary and Cream, Chaffing Dishes	\$ 408
Update Pathway Programs	Culinary	Ingraham	Jessica Monfils	Equipment replacement; Microwave, chef coats, binders, Microwave	\$ 1,365
Update Pathway Programs	Culinary	Skills Center	Cynthia Hess	Equipment replacement; industry standards; pans	\$ 730
Update Pathway Programs	Culinary	Skills Center	Cynthia Hess	Equipment repair; industry standards; casters for tables	\$ 100
Update Pathway Programs	Culinary	Skills Center	Cynthia Hess	Equipment replacement; industry standards; supplies - knives & pans	\$ 537
Update Pathway Programs	Culinary	West Seattle	Raya Klein	Program equity; industry standards; Industrial Tables, Casters	\$ 1,633
Update Pathway Programs	Culinary	West Seattle	Raya Klein	Increase equitable access to curriculum resources; Color Printer	\$ 844
Update Pathway Programs	Culinary	West Seattle	Raya Klein	industry standards; wire whip attachment for Kitchenaid	\$ 63

Overview of SPS CTE 2017-18 Spending – Key Discretionary Items

Update Pathway Programs	FACS	Ballard	Marcia Lalonde	Curriculum Resource, update equipment and access in classroom; sewing machines	\$ 2,973
Update Pathway Programs	FACS	Franklin	Jocelyn Hawkins Lana Salisbury	Curriculum Resources; Empathy Belly	\$ 825
Update Pathway Programs	FACS	Franklin	Lana Salisbury	Equipment replacement; industry standards; Kitchen Aid Mixers - Quantity 3	\$ 991
Update Pathway Programs	FACS	Franklin	Lana Salisbury	Equipment Replacement Refrigerator	\$ 1,199
Update Pathway Programs	FACS	Franklin	Lana Salisbury	Classroom Equipment Replacement; dishwasher	\$ 661
Update Pathway Programs	FACS	Franklin	Lana Salisbury	Classroom curriculum resources; supplies (DVDs/ posters)	\$ 289
Update Pathway Programs	FACS	Hale	Annemarie Plumpe	Classroom equipment equitable access; color printer	\$ 1,057
Update Pathway Programs	FACS	Hale	Cindy Jamieson	Curriculum Resource, update equipment and access in classroom; sewing machines; Babylock serger sewing machine; support independent living course	\$ 1,210
Update Pathway Programs	FACS	Hale	Cindy Jamieson	pregnancy belly; Curriculum Resources	\$ 230

Overview of SPS CTE 2017-18 Spending – Key Discretionary Items

Update Pathway Programs	FACS	Ingraham	Karin von Guenner	Curriculum resource replacement; Updated IB Textbooks	\$ 10,389
Update Pathway Programs	FACS	Ingraham	Karin von Guenner	Office Supplies, Paper	\$ 112
Update Pathway Programs	FACS	Ingraham	Karin von Guenner	Nova Video; Psychology curriculum Resources	\$ 17
Update Pathway Programs	FACS	Ingraham	Karin von Guenner	Office Supplies, Dividers	\$ 66
Update Pathway Programs	FACS	Ingraham	Kimberly Marberg	Curriculum resources; Books	\$ 50
Update Pathway Programs	FACS	Ingraham	Kimberly Marberg	Empathy Belly, Curriculum	\$ 1,096
Update Pathway Programs	FACS	Roosevelt	Wendy Arness	Classroom equipment; equitable access; Printer & toner	\$ 457
Update Pathway Programs	FACS	South Lake	Michelle Spenser	wire whip attachment for Kitchenaid; Support personal choices, parent ed. Lab	\$ 10
Update Pathway Programs	FACS	South Lake	Michelle Spenser	Sewing machines; Support personal choices, parent ed. Lab	\$ 991
Update Pathway Programs	FACS	South Lake	Michelle Spenser	Amazon Order, Support Sustainable Garden for personal choices, PEL	\$ 116



Overview of SPS CTE 2017-18 Spending – Key Discretionary Items

Update Pathway Programs	FACS	South Lake	Valentina Visscher	South Lake HS Parent Education Lab: water filter and filters	\$ 57
Update Pathway Programs	FACS	South Lake	Valentina Visscher	IPAD mini cases; Parent Education Lab	\$ 47
Update Pathway Programs	FACS	South Lake	Valentina Visscher	Hot Point 14.6 freezer refrigerator: Parent Education Lab	\$ 705
Update Pathway Programs	FACS	South Lake	Valentina Visscher	Glider: Parent Ed. Lab, safety replacement	\$ 252
Update Pathway Programs	FACS	West Seattle	Tamara Boynton	Printer (and a set of toner cartridges)	\$ 1,008
Update Pathway Programs	Health Science	Cleveland	Grant Storey	Classroom resources update; pipettes	\$ 2,354
Update Pathway Programs	Health Science	Cleveland	Grant Storey	Classroom resources update; pipettes	\$ 941
Update Pathway Programs	Health Science	Skills Center	Bonnie Tidwell	Classroom resources replacement; CPR manikins, AED Units Industry standard, used for industry assessments	\$ 931
Update Pathway Programs	Health Science	Skills Center	Bonnie Tidwell	Industry standard, used for industry assessments Infant CPR manikins, battery charger	\$ 276

**Overview of SPS CTE 2017-18 Spending – Key Discretionary Items**

Update Pathway Programs	Health Science	Skills Center	Bonnie Tidwell	Curriculum resource support; Replacement DVD Player	\$ 104
Update Pathway Programs	Health Science	Skills Center	Bonnie Tidwell	Curriculum resource; Health Videos	\$ 435
Update Pathway Programs	Health Science	Skills Center	Megan McQuade	CPR Mannikins for industry assessment, textbooks	\$ 2,993
Update Pathway Programs	Health Science	Skills Center	Megan McQuade	CPR Mannikins for industry assessment	\$ 673
Update Pathway Programs	Information Technology	Aki Kurose	Stuart Chernis	Classroom equipment update; industry standards; Equitable access; Printer, 3D	\$ 2,618
Update Pathway Programs	Information Technology	Ballard	Verhaeghe, Jim	Classroom equipment replacement; Monitors for machines not being replaced	\$ 6,870
Update Pathway Programs	Media	Nova	Stefan Gruber	Pro Animation Station	\$ 2,180
Update Pathway Programs	Photo/Video	Ballard	Matt Lawrence	Classroom equipment to support student applications; External Hard Drives	\$ 955
Update Pathway Programs	Photo/Video	Cleveland	Bryan Gordon	Headphones and Canon EOS T5i camera	\$ 813

Overview of SPS CTE 2017-18 Spending – Key Discretionary Items

Update Pathway Programs	Photo/Video	Garfield	Corey Louviere	Program updates, district course equity; Cameras	\$ 4,694
Update Pathway Programs	Photo/Video	Hale	Michael Grazewski	Mirrorless Camera Set, Gimbal Stabilizer, Lavalier Mic	\$ 3,571
Update Pathway Programs	STEM	Mercer	Emily Elasky	Classroom equipment/equitable access; Dell Tablets for cart:	\$ 6,307
Update Pathway Programs	T&I	Aki Kurose	Mark Watling	Classroom equipment replacement/Safety of shop; Shop stools	\$ 2,419
Update Pathway Programs	T&I	Boren	Craig Parsley	Classroom equipment replacement/Safety of shop; Drill Press, Dust extractor, etc	\$ 9,845
Update Pathway Programs	T&I	Roosevelt	Ben Stuart	Classroom equipment update; Install dryer	\$ 2,500
				Subtotal	\$ 964,535