

INSTRUCTIONAL TECHNOLOGY

BSEP Measure E1, Resource 0762

BSEP Measure A, Resource 0862

ANNUAL REPORT: FY 2019-20

UPDATE: FY 2020-21

Measure E1 Purpose:

Providing instructional technology in schools, and access for students to computers and instructional technology¹

Budget Manager: Jay Nitschke, Director of Technology

BACKGROUND

Technology in the hands of teachers and students is critical to teaching and learning and meeting District instructional goals. BSEP funds are the only resource that provides schools with staff to keep technology working. Technicians' tasks include supporting students, teachers and staff by keeping computers and other technology up-to-date and operational, to help integrate technology with the curriculum, to support teachers in using Illuminate, and to help technology committees and School Site Councils make decisions about technology needs and purchases.

Until the passage of the Measure I Facilities Bond in November 2010, there were no District funds outside of BSEP for the purchase of network infrastructure and other technology.

Measure I funded wifi throughout the District. Measure I provides \$523,000 per year through 2019-20 to improve District technology infrastructure. In the past three years, the majority of that money was used to improve wifi and short-throw projector installations.

Core Instructional Technology Program 2019-20 [Pre-Pandemic]:

- School Computer Technicians 6.20 FTE
- Technology Supervisor 0.75 FTE
- Instructional Technology TSA 0.50 FTE

The District working group known as DigiTech continued to meld Technology staff, Library staff, and the Instructional Tech Teachers on Special Assignment (TSAs) to focus on integrating technology into the regular school day.

¹ BSEP Measure E1, Section 3.B.iv

In addition to Tech Department staff, the BSEP Technology budget also funds stipends for Tech Teacher Leaders (TTLs) at each school. The program began in the second semester of 2014-15. One teacher from each K-8 school and a group of three from the high schools met monthly with the Digitech team and worked at their sites to improve teachers' use of technology in classrooms. Digitech and TTLs, in concert with Computer Techs provided by BSEP, significantly furthered the use of technology in classrooms as well as provided the means for students in the District to complete the computer-adaptive Smarter Balanced Assessments (SBA) in all 3-8 grade classrooms, and grade 11 at Berkeley High School and Berkeley Technology Academy (BTA).

With the progression of one cart per classroom becoming the norm in middle school classrooms, the elementary school norms were also put in place at middle schools

- Schools are committing to Digital Citizenship lessons based on Common Sense Media materials
- Teachers (grade 7-8) are committing to becoming Google Certified Educators
- Teachers are agreeing to use technology for certain projects in the curriculum
- District is agreeing to provide Chromebook carts in classrooms in 4th - 8th grade, plus one for every two third grade classrooms.
- Carryover from Measure A provided funds for additional Chromebook purchases; those funds have now completely expended.

Instructional Technology Program Challenges and Achievements March 2020 - June 2020:

- With the pivot to Distance Learning, the Technology Department facilitated the procurement and provision of take-home Chromebooks, mobile hotspots, as well as the selection of online learning platforms.
- In particular, in the first week of the school closing, technology reserved Chromebooks for take home use for families with a demonstrated need.
- Also, Technology partnered with the Berkeley Public Schools Fund to staff the EdHub first at the VAPA building at the District Office, and later at the Berkeley Adult School.
- Technology also partnered the Schools Fund to provide technology support to families.
- A Tech Dept staff member has been onsite each day the Ed Hub has been open to provide tech support, and staff has spent time fixing Chromebooks (for example replacing broken screens) while the EdHub is closed.
- In the end, some 4000+ Chromebooks have been given out to families, as well as almost 600 HotSpots.

Program Update FY 2020-21

- Tech Director Jay Nitschke is retiring after 15 years of service, and Max Eissler will begin work as Tech Director in late January 2021;
- Instructional Technology TSA will be paid 100% out of BSEP Technology funds;
- Moving Oxford to West Campus: upgrading wireless and short-throw projectors (paid by Facilities Bond);
- Network Switch refresh to accommodate higher bandwidth district-wide (equipment paid for by Facilities Bond);
- Working with contractors to prevent network disruption during A-Building construction at BHS;
- Technology has supported the implementation of Frontline (which provides a web and app-based portal for health attestations)
- Infinite Campus SIS to replace Illuminate ISI in 2021-22

Equity Essential Question for Technology

The Technology Department commits to ensuring that while we support district-wide programs, our resources and services must reach those who struggle with access.

To that end:

- When Chromebooks were first distributed to students in March 2020, we ensured that Free/Reduced Lunch eligible and Homeless students were the first served.
- Technology has for many years made sure that Chromebooks were provided to each student in BHS Bridge (a program for first-to-college students of color at BHS).
- At BHS, our School Technicians have provided internship opportunities to RISE students to enhance their tech skills and have provided mentoring and college recommendations.

**BERKELEY UNIFIED SCHOOL DISTRICT
 BERKELEY SCHOOLS EXCELLENCE PROGRAM (BSEP)
 TECHNOLOGY (Measure E1, Resource 0762)
 Revenue and Expenditures
 Annual Report FY 2019-20**

Purpose

Three and a quarter percent (3.25%) of the Available Revenues *shall be allocated to providing instructional technology in schools, and access for students to computers and instructional technology.*

Budget Manager: Jay Nitschke, Director of Technology

	Audited Actuals 2018/19 As of 6/30/19	Adopted Budget 2019/20 As of 7/1/19	2nd Interim Budget 2019/20 As of 1/31/20	Unaudited Actuals 2019/20 As of 6/30/20	2nd Interim Budget vs. Unaudite d Actuals 2019/20
REVENUE	979,716	1,007,055	1,008,116	1,014,765	6,649
EXPENDITURES					
Certificated Salaries	69,985	72,948	77,422	63,497	(13,925)
Classified Salaries	471,579	467,305	495,050	471,072	(23,978)
Employee Benefits	240,414	274,691	262,187	242,341	(19,846)
Materials, Supplies & Equipment	63,429	139,660	127,660	120,890	(6,770)
Unallocated Reserve	0	37,056	17,341	0	(17,341)
Services & Other Operating Expenses	10,217	12,000	24,000	14,252	(9,748)
Indirect Costs	50,739	53,294	53,294	48,430	(4,864)
TOTAL EXPENDITURES	906,363	1,056,954	1,056,954	960,482	(96,472)
NET INCREASE (DECREASE)	73,353	(49,899)	(48,838)	54,283	103,121
FUND BALANCE ANALYSIS					
Beginning Fund Balance	74,443	147,796	147,796	147,796	0
Net Increase (Decrease) in Fund Balance	73,353	(49,899)	(48,838)	54,283	103,121
Ending Fund Balance	147,796	97,897	98,958	202,079	103,121

Notes

- (1) Increase due to receipt of prior year and additional current year revenue in 2018-19
- (2) 1% salary increase for certificated staff and a 2% salary increase for classified staff
- (3) \$161,525 of expenditures for technology were funded with carryover from Measure A, BSEP Resource 0862