Instructional Technology

Annual Report FY 2022-23

Planning and Oversight Presentation
December 12, 2023
Max Eissler, Director of Technology

Excellence • Equity • Engagement • Enrichment

BSEP Measure E1 Purpose:

"… Providing instructional technology in schools, and access for students to computers and instructional technology."

Hour of Code Party @ King
Amy Talley

Program Summary:

Instructional Technology plays a pivotal role in a modern teaching and learning environment. BSEP funds are a crucial resource for providing schools with the training and support to use technology effectively.

BSEP-funded Technicians support students, teachers, and staff. Technology teacher leaders and teachers-on-special-assignment help schools integrate technology with their curriculum. BSEP-funded software makes online learning safe, fast and reliable. Families benefit from BSEP-funded digital equity initiatives.

Robotics @ King
Josh Jacobs

BSEP Funding Provides:

- Staff who train teachers to use instructional technology
- Staff who directly install/support/repair technology in the classroom
- Software used to facilitate online learning such as GoGuardian and Google Workspace for Education
- Parts and supplies for daily classroom technology use
- Discretionary instructional technology budgets for each school based on student count ($8/student in 22/23)
- Professional development for staff who support teachers
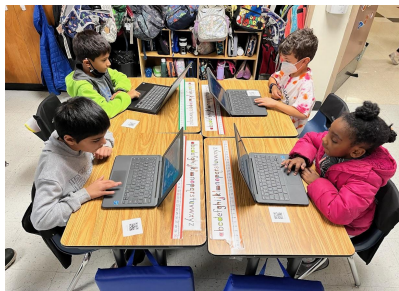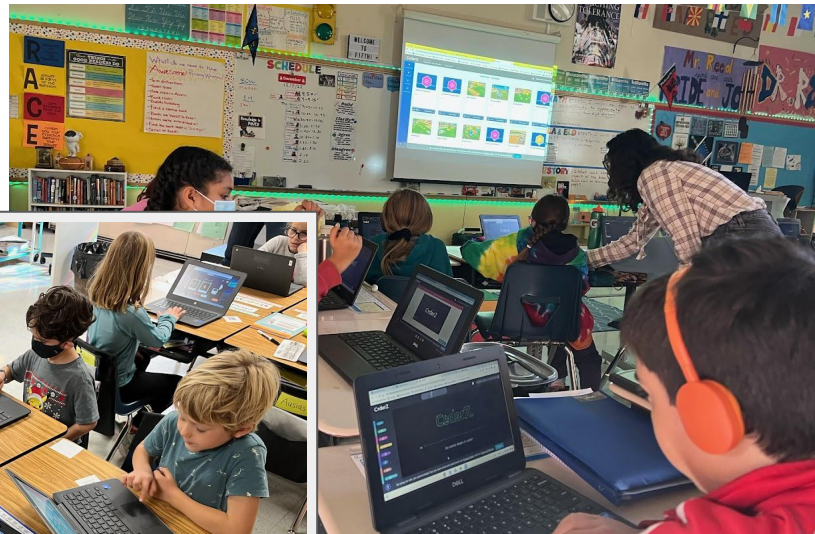
Staffing

- Computer Techs   6.2 FTE
- Instructional Tech TSA   1.0 FTE
- Tech Supervisor   1.0 FTE
  (75% BSEP)
- Tech Teacher Leaders - Stipend
- Extra support hours for summer programs

Funded by general funds (*not* BSEP): 1.4 Computer Tech, 1.0 Network Engineer, three 1.0 data positions and 1.0 Tech Director, .25 (25%) Tech Supervisor.

Other Expenditures

- School budgets for tech supplies
- Software platforms for online learning
- Professional development for support staff

Accomplishments:
Providing Access for Students

- The district provided Chromebooks and/or hotspots for home use to any student who had an unmet need funded entirely by federal grants applied for by the technology department.
- Technology partnered with libraries to make them available and accessible at each home school
- Chromebooks checked out to students in need:
  - Special Education: 293
  - English learners: 185
  - Homeless and Foster Youth: 42
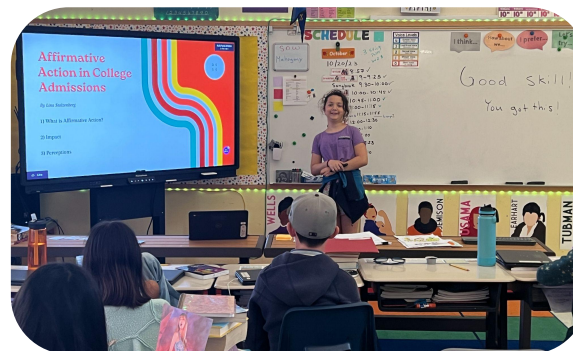 - Socio-economically disadvantaged: 644

Tech staff Checkout Chromebooks / hotspots at School Supplies Giveaway event Max Eissler and David Fuchs

BSEP-funded technicians were busy! They...

- Completed **4,205** helpdesk requests from school sites (6,020 districtwide!)
- Reviewed 60 new instructional software resources for classroom use
- Helped build multiple CTE labs and makerspaces throughout the District
- Acquired/configured/installed 1,362 new Chromebooks to replace obsolete classroom Chromebooks
- Installed 24 new flat-panel interactive displays (Promethean boards) in classrooms

Student Digital Presentations @ Rosa Parks
Marvin Reed

Accomplishments:
Ready for the Next Generation

- Technology Advisory Committee: Findings and Recommendations
- Collaboration with facilities on districtwide standards for classroom technologies
- Increased Internet speed for all classrooms with new high-speed dark-fiber network.
- Collaborated with BREA to implement EduClimber and provide coaching for staff
- Cybersecurity audit to protect the data of students/families
- Instructional Technology team created updated digital citizenship training for generative AI (i.e.; ChatGPT)

Instructional Technology Leadership Team preparing digital citizenship lessons

BSEP GOAL:

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

Percentage of schools with instructional technology: 100%

Percent of students with access to computers: 100%*

Percent of students with access to instructional technology: 100%*

*While permanent computers are not provided in all classrooms, and students in grades TK-2 generally do not use computers during the school day, the district has made Chromebooks available to all students in grades TK-12 through library checkout.

Instructional Technology PD Sessions = 500

Teacher Training/Coaching Sessions:

- Elementary School= 325
- Middle School = 131
- High School = 121
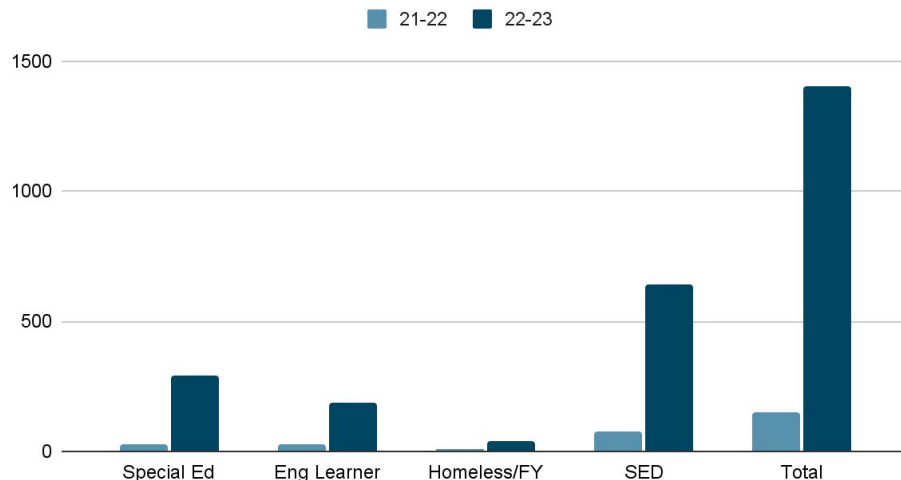- All Schools Total = 577

Support Tickets Closed:

- Elementary School= 1,507
- Middle School = 1,227
- High School = 1,471
- Districtwide Total = 6,020

Digital Equity
Improving Access for Students

Home Use Chromebooks Checked Out to Students

Legend: ■ 21-22 ■ 22-23

Categories: Special Ed, Eng Learner, Homeless/FY, SED, Total

- Google Workspace Education Plus - advanced reporting (from Oct 2023 only) on student use of:
  - Google Docs
  - Google Classroom
  - Gmail
- Surveys of:
  - Teachers
  - Families
  - Students
- Classroom participation in "Hour Of Code" and digital citizenship training
- "Exit Ticket" data from teacher and family workshops

Technology Teacher Leader planning session

Variances and Fund Balance Update

Variances

- Variances resulting in fund balance growth:
  - Revenue increase
  - Unused funds for contracted services
  - Unused salary variance
  - Position vacancies

Fund Balance Management

- Potential uses for fund balance:
  - Hotspot services for disadvantaged students
  - Equipment purchases to increase classroom technology
  - New technology-based extracurricular programs
  - Family Workshops
  - Paid teacher training

ENRICHMENT

ENGAGEMENT

EQUITY

EXCELLENCE

2023-24 Update

2023-24 Projects:

- Technology workshops for families on topics like tech tools available to guardians/students and digital safety
- After-hours paid Instructional Technology PD opportunities for teachers
- Rollout of Resource Manager for checking out and tracking musical instruments, Chromebooks, etc.
- Continue security upgrades to protect student/family data
- Continue to secure funding for digital equity (student access at home)
- Numerous operational projects impacting the classroom including WiFi upgrades, backup power, communications systems, etc.

Questions?
MaxEissler@Berkeley.net

Thank you!

Our Mission

Enable and inspire our diverse student body to achieve academic excellence and make positive contributions to our world.

Excellence

Equity

Engagement

Enrichment

EXCELLENCE | EQUITY | ENGAGEMENT | ENRICHMENT

Berkeley
PUBLIC SCHOOLS
Berkeley Unified School District