Technology Plan
Executive Summary

July 1, 2014 – June 30, 2018

Oakland Unified School District
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Version 1.0

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About the District Described in This Plan

The Oakland Unified School District (OUSD) is the State of California’s most improved urban school district over the past eight years, as measured by Academic Performance Index (API), California’s primary metric for measuring student achievement. During this time, the District’s students have benefited from 128 points of API growth and a focus on the whole child embodied by OUSD’s “Community Schools, Thriving Students” vision of a full-service community school district. In this model, every school site offers high levels of learning along with physical health, mental health, dental and eye care; nutrition, physical education, recreation, before-school and afterschool programs; housing, employment, parenting and language acquisition courses and a range of other programs. Social and human services are not seen as extra or add-ons in these schools. Instead, collaboration in service of children and families is how they consistently behave.

The following charts capture the District demographics at a glance.


**District Mission Statement**

Oakland Unified is in the process of transitioning to a new paradigm that is based upon building safe and high quality full service community schools. The intent of this program is to move to a system that supports students in a structure that includes equity of access to resources so that every student will have high quality, effective instruction and be prepared to succeed in college and careers. The support system would be a comprehensive continuous and linked series of programs that include educational, social, and medical services.

The District’s five-year strategic plan, Community Schools, Thriving Students envisions the development of each Oakland public school into a Full Service Community School (FSCS) within a Full Service Community District as an essential goal to carrying out its vision of graduating each student college and career ready. Many elements of the School Quality Improvement System (CORE Waiver) have been initiated in OUSD. The strategic plan is the foundation for the work of the district and the strategic work of the plan is in strong alignment with CORE waiver work areas.
Technology Vision

All Oakland students graduate college, career, and community ready

Technology Mission
Build and support the technology systems, tools, and infrastructure for students, staff, and community to create the best possible equitable and supportable learning environment for all students

Priorities
Student Learning
Equity & Access
Productivity
Data and Assessment
Support Teachers & Staff
Infrastructure
Data Safety, Security, and Ethics

Student Learning
• Implement a platform of learning resources that embrace and maximize the flexibility and power of technology to reach all students with differentiated needs
• Ensure that students have information access anytime and anywhere
• Promote Personalized Learning as an instructional focus and ensure that OUSD has the infrastructure to support it
• Engage the community both locally and globally to develop our students as technology leaders thereby creating college & career pathways (partner with Linked Learning)
• Use technology to enhance OUSD priority instructional initiatives such as Science, Technology, Engineering, and Math (STEM) learning and Digital Media Arts
• In partnership with LCI, maximize what it means to “Go Google” in every classroom, i.e. all of the instructional uses of Google Apps for Education

Equity and Access
• The District adopts minimum standards for technology for each level across school sites.
  o Standardization of hardware with customization as needed
• The District utilizes private-public partnerships (including Mayor’s Office, non-profits and community based organizations) to fill gaps of access for students.
  o Refurbished and free computers from OTX West,
  o Solicit computer donations from private industry
  o Provide free and low cost broadband access in homes
  o Work with Oakland Recreation Centers and Libraries to provide access and programming
• The District provides sufficient resources to meet the needs of students.
  o Prioritize funding for technology.
  o Provide staff to support technology.
  o Provide staff development for technology.
Productivity
• Provide technology tools for productivity and efficiency across the District
  o Upgrade older technologies to current versions (IFAS, Edusoft, etc.)
  o Deploy new technologies for Human Capital, Data Warehouse, etc.
  o Integrate technologies to streamline processes and facilitate reporting
  o Continue smoothly running key operations (Payroll, CALPADS, etc.)
  o Deliver on minor projects as they arise - CSSSP updates, etc.
  o Provide timely and efficient support on issues escalated to Applications
  o Maintain and expand tools for students and families (Aeries AIR, etc.)
• Enable students to use technology to demonstrate authentic learning and 21st century skills, including demonstrating proficiency in meeting existing state-adopted standards and new Common Core State Standards
  o Provide integrations between EdTech/Productivity tools and Aeries, etc.
  o Support data needs as related to EdTech tools
  o Support integration between Aeries and assessments (SBAC/TIDE, etc.)

Data and Assessment
• Transition to a new assessment and reporting platform that gives timely and actionable feedback for formative and summative assessments with meaningful data analysis.
• Support LCI and QAA in using assessment data to engage and motivate students
• Data systems are linked, and appropriately available.
• Implement Google Drive back up and monitoring tools.
• Implement data warehouse and business intelligence tool to provide longitudinal data analysis and dynamic reports that can pull data from multiple source systems (IFAS, Aeries, Special Ed, etc.)
• Implement data sharing, storage and usage best practices and policies.
• Increase usage of collaboration and communication tools.

Support Teachers and Staff
• Educators and students have access to technology-based content, resources, and tools
• Operations acceptance of Chromebooks support
• Coordination of systems roll-outs for instruction
• Use collaboration technologies to develop communities of practice
• Help Desk system where all parties are engaged for incidents, service & project needs.
• Dashboard or summary of site & program information
• Pilot systems support for district wide compliance
• Provide professional learning experiences powered by technology
• Partner with LCI and Operations on training
• Use video resources and technology to connect and share
• On-Boarding efficient and complete

Infrastructure
• Ensure students and educators have broadband access to the Internet and wireless connectivity both in and out of school
● Every student and educator has at least one Internet access device and appropriate software to use in and out of school
● Facilities have appropriate electrical capacity, wiring, and cooling to support technology
● Ensure a secure wire/wireless network environment and endpoint protection for district-wide

Data Safety, Security and Ethics

• The district will educate teachers and students about appropriate and ethical use of information technology. Topics include cyber bullying, potential risks related to social networking sites and chat rooms, and strategies for dealing with these issues.
• All students, staff, and parents understand the District policies for technology, communication, and data.
  o The district has a CIPA-compliant Acceptable Use Policy (AUP) regarding Internet and network use. The policy is updated as needed to help ensure safe and ethical use of resources by teachers and students
• All students and staff have safe and appropriate access to the Internet
• District data is secure yet available.
• The district has a plan to protect the security and confidentiality of personal information of its students and staff, including security measures for servers located at school sites.
1. PLAN DURATION

This technology plan covers four years: July 1, 2014 – June 30, 2018.

2. STAKEHOLDERS

Oakland Unified School District’s IT Officer has led the development of this technology plan with the EdTech Committee which includes members from Technology Services, Leadership, Curriculum & Instruction, and Assessment. This current plan extends the concepts from the previously approved plan (2011-2014) and adds data from work in Fall 2013 including the NextGen Systems Personalized Learning planning grant, response to the award of $6.9 million in one-time money from the California Department of Education for Common Core implementation (Common Core), and the OUSD plan for the California Organization to Reform Education (CORE) waiver. Engagement and work from the 2013 initiatives, NextGen Systems, Common Core, and CORE waiver allowed the Education Technology Team, with members from across the district to reach out to many stakeholders, while not namely for the “Technology Plan” to learn about what is needed to improve technology’s role in curriculum and student success.

Input for this Technology Plan was most recently combined with gathering input for “Tech Readiness” for the Common Core and Smarter Balanced Assessment Consortium’s (SBAC) online testing and the subsequent Chromebook Deployment engagements and the Gates Foundation Next Gen Systems planning grant for Personalized Learning. The feedback from these particular initiatives were fitting for developing and up-to-date Technology Plan.

Meetings about Tech Readiness and the Next Gen Systems personalized learning initiative included formal presentations to and feedback from the cabinet (top district leadership), the PAC, the Board of Education, all principals, district staff invited to Chabot Elementary school, edtech advisory group, and parents and community members at a Family School Community Program (FSCP) engagements.

Likewise feedback was drawn from input for the CORE waiver implementation as well as the Local Control Accountability Plans prepared for the Local Control Funding Formula instituted in 2013-2014.

In 2013-2014, the Ed Tech committee with members from Technology, LCI (Leadership, Curriculum & Instruction) and QAA (Quality, Accountability, & Assessment) worked together combining work for the NextGen Systems Personalized Learning planning grant, Common Core, SBAC readiness, CORE Waiver, LCAP, and the Technology Plan.
3. Curriculum

All schools are committed to all students attaining the academic and non-academic skills and knowledge necessary to be an educated person in the 21st century.

The District is committed to helping all students meet grade level expectations. Schools have intervention programs in place to assist students in need of extra help (and their families). Examples of interventions include after school programs, specialized assistance during the school day, summer school, grouping practices within the classroom, and many more. We count on parent support and student commitment to make sure all students meet these higher expectations.

*Oakland Unified School District’s Local Education Agency (LEA) Plan 2008-2014*

Goal: Students regularly access online resources and applications that improve and personalize learning.

The following chart shows the use of Electronic Learning resources as reported in Fall 2013.
Goal: All teachers will use software and technology to support the Common Core State Standards and personalized learning.

<table>
<thead>
<tr>
<th>Implementation Plan Activities</th>
<th>Timeline</th>
<th>Monitoring/ Evaluation</th>
<th>Responsible Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collaborate with Rogers Foundation’s Next Generation Learning Collaborative personalized learning grant</td>
<td>July 2014 – June 2016</td>
<td>Participation</td>
<td>Director of Technology</td>
</tr>
<tr>
<td>Offer workshops on applications to support personalized learning</td>
<td>July 2014 – June 2018</td>
<td>Workshop surveys</td>
<td>Education Technology Specialist</td>
</tr>
<tr>
<td>Launch OUSD1 for Learning Management System, grade book, and parent portal</td>
<td>July 2014 – June 2018</td>
<td>Surveys</td>
<td>Principals</td>
</tr>
<tr>
<td>Launch Professional Learning Communities (PLC’s) on personalized learning</td>
<td>July 2014 – June 2018</td>
<td>PLC surveys</td>
<td>Education Technology Specialist</td>
</tr>
</tbody>
</table>

Goal: The Oakland Unified School District staff and students will have the electronic learning resources needed to meet its curricular needs

<table>
<thead>
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<th>Implementation Plan Activities</th>
<th>Timeline</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Roll out staff and student Office 2012/ MS 365 and Google Apps</td>
<td>July 2014 – December 2015</td>
<td>Report to Principals</td>
<td>IT Officer</td>
</tr>
<tr>
<td>Purchase base software necessary for Common Core Standards</td>
<td>July 2014 – June 2016</td>
<td>Report to Principals</td>
<td>Principals</td>
</tr>
<tr>
<td>Evaluate applications and services for Common Core Standards and purchase as necessary</td>
<td>July 2014 – June 2018</td>
<td>Report to Principals</td>
<td>Education Technology Specialist</td>
</tr>
<tr>
<td>Purchase additional Chromebooks for Personalized Learning and SBAC testing as needed</td>
<td>July 2014 – June 2018</td>
<td>Report to Principals</td>
<td>IT Officer</td>
</tr>
</tbody>
</table>

Goal: Students will acquire technological and information literacy skills, including cybersafety

<table>
<thead>
<tr>
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<th>Monitoring/ Evaluation</th>
<th>Responsible Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adopt ISTE NETS*S</td>
<td>2015-2016</td>
<td>Standards adopted</td>
<td>Education Technologist</td>
</tr>
</tbody>
</table>
### Goal: Appropriate and Ethical Use of Technology

<table>
<thead>
<tr>
<th>Implementation Plan Activities</th>
<th>Timeline</th>
<th>Monitoring/ Evaluation</th>
<th>Responsible Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offer all students and staff cyber ethics, copyright, Fair Use, and FIRPA training. (Available on the District’s Risk Management training site and approved student curriculum and materials)</td>
<td>2014-2015</td>
<td>Report on workshop evaluations</td>
<td>Education Technologist</td>
</tr>
<tr>
<td>Offer all students and staff cyber ethics copyright, Fair Use, and FIRPA training. (Available on the District’s Risk Management training site and approved student curriculum and materials)</td>
<td>2015-2016</td>
<td>Report on workshop evaluations</td>
<td>Education Technologist</td>
</tr>
<tr>
<td>Distribute appropriate and ethical use of information technology materials to all students</td>
<td>2015-2016</td>
<td>Report on delivery</td>
<td>Education Technologist</td>
</tr>
<tr>
<td>Mandate acceptance of the Acceptable Use Policy for all</td>
<td>2014-2017</td>
<td>Report</td>
<td>Teacher / Principal</td>
</tr>
<tr>
<td>Update web resources for ethical use, copyright and Fair Use</td>
<td>2012-2016</td>
<td>Report</td>
<td>Teacher / Principal</td>
</tr>
</tbody>
</table>

### Goal: At all times, all students will have safe access to Internet sites they need for instruction and learning

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Review with students the Acceptable Use Policy</td>
<td>September 2014 – June 2018</td>
<td>Report completion of reviews to Principals</td>
<td>Teacher / Principal</td>
</tr>
<tr>
<td>Conduct classroom lessons about Internet safety, including cyber bullying, social networking, chat rooms, how to protect online privacy, and avoiding online predators using District approved materials</td>
<td>September 2014 – June 2018</td>
<td>Survey students after presentations</td>
<td>Teacher / Principal</td>
</tr>
<tr>
<td>Principals visit classrooms and monitor usage to monitor compliance</td>
<td>July 2014 – June 2018</td>
<td>Monthly reports</td>
<td>Principals</td>
</tr>
<tr>
<td>Certification of completion will be completed by each teacher, reported to the principal, and verified by the IT Officer</td>
<td>June 2015 – June 2018</td>
<td>Review certifications</td>
<td>IT Officer</td>
</tr>
</tbody>
</table>
### Goal: Record Keeping, Assessments, and Date-based Decision Making

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Build and implement data governance and culture</td>
<td>Summer 2014 - 2015</td>
<td>Survey staff</td>
<td>Assistant Superintendent QAA</td>
</tr>
<tr>
<td>Purchase and set up data warehouse</td>
<td>September 2014 – June 2015</td>
<td>Report</td>
<td>Assistant Superintendent QAA</td>
</tr>
<tr>
<td>Deliver reports via data warehouse</td>
<td>Summer 2015</td>
<td>Survey stakeholders</td>
<td>Assistant Superintendent QAA</td>
</tr>
<tr>
<td>Launch Data warehouse</td>
<td>July 2015 – June 2017</td>
<td>Survey participants</td>
<td>Assistant Superintendent QAA</td>
</tr>
</tbody>
</table>

### Goal: Personalize learning with active use of data

<table>
<thead>
<tr>
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<th>Timeline</th>
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<th>Responsible Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study EDUSOFT replacement</td>
<td>Summer 2014</td>
<td>Schedule review</td>
<td>Director of QAA</td>
</tr>
<tr>
<td>Evaluate new Data tools</td>
<td>July 2015 – June 2017</td>
<td>Review panel</td>
<td>Director of QAA</td>
</tr>
<tr>
<td>Implement new Learning Management and Student Information System</td>
<td>July 2015 – June 2017</td>
<td>Survey staff</td>
<td>IT Officer</td>
</tr>
<tr>
<td>Implement online testing for Common Core – SBAC (CAASP)</td>
<td>January 2015 – June 2017</td>
<td>Principals report</td>
<td>Principals</td>
</tr>
</tbody>
</table>
Two-way Communication between Home and School

**Goal:** All Schools, sites, and departments have a web presence to facilitate two-way communication between home and school

<table>
<thead>
<tr>
<th>Implementation Plan Activities</th>
<th>Timeline</th>
<th>Monitoring/ Evaluation</th>
<th>Responsible Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>Train staff on website options</td>
<td>Summer 2014, 2015, 2016</td>
<td>Survey participants</td>
<td>Communications Department</td>
</tr>
<tr>
<td>School Wires</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Offer staff workshops in website use and blogging</td>
<td>July 2014 – June 2016</td>
<td>Survey participants</td>
<td>Communications Department</td>
</tr>
<tr>
<td>Monitor website development</td>
<td>July 2014 – June 2016</td>
<td>Post website dashboard at each site of active websites</td>
<td>Communications Department</td>
</tr>
<tr>
<td>Monitor website usage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continue training via online screen casts</td>
<td>July 2014 – June 2016</td>
<td>Survey participants</td>
<td>Communications Department</td>
</tr>
</tbody>
</table>

**Goal:** All schools will use District email for teacher, parent, and student communication

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Offer Train the Trainer workshops on effective use of email in schools, including handling spam</td>
<td>Summer 2014, 2015, 2016</td>
<td>Survey participants</td>
<td>IT Officer</td>
</tr>
<tr>
<td>Offer staff workshops on effective use of email in schools, including handling spam</td>
<td>July 2014 – June 2016</td>
<td>Survey participants</td>
<td>Principals</td>
</tr>
<tr>
<td>Investigate new SIS, assessment system, learning management system</td>
<td>July 2014 – June 2016</td>
<td>Survey participants</td>
<td>Technology staff</td>
</tr>
</tbody>
</table>
## 4. PROFESSIONAL DEVELOPMENT

**Goal:** Each teacher and administrator uses technology to enhance his/her success, as demonstrated by the self-assessment survey.

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Offer training modules that address the needs found in the survey</td>
<td>July 2014 – June 2016</td>
<td>review of survey</td>
<td>Education Technologist</td>
</tr>
<tr>
<td>Compare survey results with the baseline data</td>
<td>July 2014 – June 2016</td>
<td>review of survey</td>
<td>Education Technologist</td>
</tr>
<tr>
<td>Report results to all stakeholders</td>
<td>July 2014 – June 2016</td>
<td>Annual report</td>
<td>IT Officer</td>
</tr>
</tbody>
</table>

**Goal: All education staff will receive training on how to access and interpret student data to inform instruction**

<table>
<thead>
<tr>
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<th>Responsible Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implement Data Warehouse for principals and District Office</td>
<td>July 2014 – June 2015</td>
<td>Survey</td>
<td>Assistant Superintendent of QAA</td>
</tr>
<tr>
<td>Continuous Assessment System and SIS training</td>
<td>July 2014 – June 2017</td>
<td>Survey</td>
<td>Assistant Superintendent of QAA</td>
</tr>
<tr>
<td>Implement Data Warehouse for principals and District Office</td>
<td>July 2015 – June 2016</td>
<td>Survey</td>
<td>Assistant Superintendent of QAA</td>
</tr>
<tr>
<td>Data modeling training</td>
<td>July 2015 – June 2017</td>
<td>Survey</td>
<td>Assistant Superintendent of QAA</td>
</tr>
</tbody>
</table>
5. INFRASTRUCTURE, HARDWARE, TECHNICAL SUPPORT, AND SOFTWARE

Infrastructure-Hardware-Technical Support and Software
Driven by curriculum-centered objectives, OUSD specifies a core set of technical capabilities and network services to be provided. We implement an infrastructure that enables students and to easily use technology and online resources to achieve their academic goals.

Networking and Telecommunications Infrastructure

Internet Access
Internet access is through dual fiber optic connections at 10 Gb each. All schools are networked to the Technology data centers by a Wide-Area Network (WAN) connections described in the table below.

Table 5.1. WAN Data Connectivity upgrade plans

<table>
<thead>
<tr>
<th>School Type</th>
<th>WAN speed 2013</th>
<th>WAN speed 2014</th>
<th>WAN speed 7/2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary</td>
<td>20 Mb/sec</td>
<td>100 Mb/sec</td>
<td>1 Gb/sec</td>
</tr>
<tr>
<td>Middle Schools</td>
<td>50 Mb/sec</td>
<td>200 Mb/sec</td>
<td>1-5 Gb/sec</td>
</tr>
<tr>
<td>High Schools</td>
<td>100 Mb/sec</td>
<td>500 Mb/sec</td>
<td>1-5 Gb/sec</td>
</tr>
</tbody>
</table>

Internal Connections
All sites have internal wiring capable of 1 Gb./sec. All sites have wireless, but at varying levels. The following sites have state of the art wireless in every classroom and workspace as of the end of August 2014.

- Markham
- Parker
- Community United Elementary
- Sobrante Park
- ACORN Woodland
- Hillside Academy
- Encompass
- ASCEND
- International Community School
- Think College Now
- Frick
- Madison
- Elmhurst Community Prep
- Alliance Academy
- Brewer
- Hoover
- Arroyo Viejo CDC
- Lockwood Pre K
- Lockwood CDC
- Brookfield
- Webster Academy
- Futures Elementary
- Horace Mann Elementary
- Bella Vista
- Greenleaf Elementary
- Emerson
- Lafayette
- Manzanita Seed
- Manzanita Community School
- Martin Luther King Jr.
- PLACE @ Prescott
- Sankofa
- West Oakland Middle School
- Roosevelt
- ROOTS
- United for Success
- Coliseum Prep
- Urban Promise
- Dewey
- Life Academy
- Oakland International High
- Howard CDC
- Lakeview CDC
The following sites have state of the art wireless in every classroom and workspace as of the Spring 2015. Before that, they have some wireless and roaming carts with state of the art wireless.

- Allendale Elementary
- Burckhalter Elementary
- Chabot Elementary
- East Oakland Pride Elementary
- Cleveland Elementary
- Crocker Highlands Elementary
- Global Family
- Franklin Elementary
- Fruitvale Elementary
- Garfield Elementary
- Glenview Elementary
- Grass Valley Elementary
- New Highland Academy
- Hillcrest Elementary
- Laurel Elementary
- Lincoln Elementary
- Joaquin Miller Elementary
- Montclair Elementary
- Peralta Elementary
- Redwood Heights Elementary
- Sequoia Elementary
- Thornhill Elementary
- Carl B. Munck Elementary
- Hoover Elementary
- Kaiser Elementary
- Fred T. Korematsu Discovery Academy
- Esperanza Elementary
- Bridges Academy
- Rise Community
- Reach Academy
- Claremont Middle
- BRET Harte Middle
- Community Day Middle School
- Montera Middle
- Westlake Middle
- Melrose Leadership Academy
- Castlemont High
- Fremont High
- McClymonds High
- Oakland High
- Oakland Technical High
- Skyline High
- Ralph J. Bunche High
- Street Academy (Alternative)
- Arts School - Oakland Technical
- Fashion Academy
- Independent Study, Sojourner
- Truth
- Tilden ES (admin currently)
- Lakeview (admin currently)
- Cole MS (admin currently)
- Community Day HS
- Rudsdale Continuation
- Burbank Preschool Center
- Bella Vista CDC
- Brookfield CDC CDC
- Reach/Cox CDC
- Garfield CDC
- International CDC
- Emerson CDC
- Jefferson CDC
- Centro Infantil CDC
- Laurel CDC
- Martin Luther King Jr CDC
- Yuk Yau CDC
- HR Tubman CDC
- Manzanita CDC
- PLACE @ Prescott CDC
- Hintil Kuu Ca CDC
- Sequoia CDC
- Stonehurst @ Korematsu CDC
- United Nation @ La Escuelita CDC
- Allendale CDC
- Acorn Woodland/Encompass CDC
- Bridges CDC
- Sankofa CDC
Devices
The District has over 10,000 Windows and Apple computers distributed all school sites. All schools have at least one computer in the classroom and access to a computer lab.

The District set a minimum and recommended standard in 2014 for computers. The minimum standard is what is supported while the recommended standard is what should be purchased. Both are adequate for the Common Core testing requirements. The minimum standard is an Intel Dual Core or Core 2 Duo processor, 1 GB Ram, 80 GB hard drive and either at least Windows 7 or Macintosh OS 10.8. The recommended standard is an Intel i3 processor, 160 GB hard drive, Windows 8 or Macintosh OS 10.9. Computers that do not meet the minimum standard are either removed from inventory or receive a sticker that they are not supported.

The District purchased 9000 Chromebooks to help schools replace current outdated computers and to prepare for Common Core testing. The rate of replacement is planned on a five-year cycle.

Since 2011 the District has moved to a virtualized server environment as much as possible. Additionally, new antivirus and filtering equipment was purchased in order to comply with the Children’s Internet Protection Act.

Additional Infrastructure Needed

<table>
<thead>
<tr>
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<th>Timeline</th>
<th>Monitoring/ Evaluation</th>
<th>Responsible Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implement cloud file storage</td>
<td>2015-2016</td>
<td>Check user lists and report</td>
<td>IT Officer</td>
</tr>
<tr>
<td>Implement Google Apps and Microsoft 365</td>
<td>2015-2016</td>
<td>Check user lists and report</td>
<td>IT Officer</td>
</tr>
<tr>
<td>Implement web sign-on with Google ID</td>
<td>2015-2016</td>
<td>Check User lists</td>
<td>IT Officer</td>
</tr>
</tbody>
</table>
Goal: Ensure Equitable Technology Access for All Students

<table>
<thead>
<tr>
<th>Implementation Plan Activities</th>
<th>Timeline</th>
<th>Monitoring/ Evaluation</th>
<th>Responsible Party</th>
</tr>
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<tbody>
<tr>
<td>Implement 10,000 Chromebooks across all schools</td>
<td>July 2014 – June 2015</td>
<td>Report usage</td>
<td>IT Officer</td>
</tr>
<tr>
<td>Train teachers in using Chromebooks and mobile technology for personalization</td>
<td>July 2013 – June 2016</td>
<td>Report training schedule</td>
<td>Education Technologist</td>
</tr>
<tr>
<td>Teach students to use Google Apps as a foundation platform learning</td>
<td>September 2015-June 2018</td>
<td>Measure student usage</td>
<td>Education Technologist</td>
</tr>
<tr>
<td>Teach students to use a variety of online applications for personalized learning</td>
<td>September 2015-June 2018</td>
<td>Measure student usage</td>
<td>Education Technologist</td>
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<tr>
<td>Hire Education Pioneer Fellow to lead the effort</td>
<td>July 2014 – December 2014</td>
<td>Create Plan</td>
<td>IT Officer</td>
</tr>
<tr>
<td>Implement plan to measure technology and Internet access</td>
<td>January 2015 – March 2015</td>
<td>Report of access</td>
<td>IT Officer</td>
</tr>
<tr>
<td>Implement protocols for offering students and parents devices and Internet access for the home</td>
<td>January 2015 – June 2015</td>
<td>Report by Principals</td>
<td>IT Officer</td>
</tr>
<tr>
<td>Pilot 1-1 initiatives</td>
<td>July 2015 – June 2017</td>
<td>Report by Principals</td>
<td>IT Officer</td>
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<td>Evaluate SBAC field test experience from survey data</td>
<td>Summer 2014</td>
<td>Report to Principals</td>
<td>IT Officer</td>
</tr>
<tr>
<td>Complete infrastructure upgrades so every classroom has 802.11 n and ac capability and every site has minimum 1GB connectivity</td>
<td>July 2014 – July 2015</td>
<td>Report to Principals</td>
<td>IT Officer</td>
</tr>
<tr>
<td>Create menu of educational applications that schools can utilized</td>
<td>July 2014 - June 2015</td>
<td>Report to Principals</td>
<td>Educational Technologist</td>
</tr>
<tr>
<td>Create a platform and professional development for Personalized Learning</td>
<td>July 2014 – June 2018</td>
<td>Report to Principals</td>
<td>Educational Technologist</td>
</tr>
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