OUSD Infrastructure Plan
Equitable, Supportable, Standardized Connectivity & Learning Platform

Upgrade WAN (schools to data center from 10 Mb/sec to 100/20Mb/sec minimum (E-rate 16 Priority 1))

- POC of new wireless (Meraki) at McClymonds
- Optimize all routers
- Link Active Directory and Google Account for all staff

- Activate Google Apps for all students
- POC of new wireless (Meraki) at McClymonds
- Optimize all routers

- Deploy Chromebooks in 256 carts and wireless at all sites
- Deploy teacher Chromebooks

Get Connected Oakland Initiative: Devices, Access, Programs for all, anytime

- Pilot OUSDone: Engrade and Hapara Learning Management System

Upgrade wireless network at remaining sites (Measure J Draw 1)

New 1 Gb WAN at all sites with capability of 10 Gb at large sites (E-rate 17 Priority 1)

- Upgrade wired network as needed (Measure J Draw 2)

Fall 2013
Winter 2014
Spring 2014
Summer 2014
Fall 2014
Winter 2015
Spring 2015
Summer 2015
Fall 2015

Central

- New Web Filter (iBoss) to speed network and optimize filtering
- VDI POC with Human Resources
- Complete Next Gen Systems
- Personalized Learning Gates
- Post 471 for Erate

- Pilot Clever/Engrade/Schoology Portals
- VDI POC with Human Resources
- New 10 Gb Intranet connection (Comcast)
- Post 471 for Erate (select vendors)

- Add VDI dedicated ESX server
- Expand VDI licensing
- New 10 Gb Intranet connection AT&T, ACOE

Expand VDI to Teacher Chromebooks, Offices

Deploy Next-Gen Firewall: Palo Alto Networks

Develop Technology Plan

Tech Support for Ops, Teaching & Learning

Comcast
AT&T
Aekku
Nexus
Digital Design
Cisco
iBoss
Palo Alto Networks
VMware
Microsoft
Google
Apple
Dell
Acer
Lenovo
Samsung
Arey Jones
CDW-G

Partners

Key:
WAN - Wide Area Network - network that connects sites to Central Office data centers
POC - Proof of Concept
VDI - Virtual Desktop Infrastructure (allows end user to run a standard computer on a server from any device)
SAN - Storage Area Network (centralized storage for all District servers and VDI)
SBAC - Smarter Balanced Assessment Consortium
CB - Chromebook
ESX - Origin unknown, but name of the physical servers that host the virtual servers