

CASTRO VALLEY USD

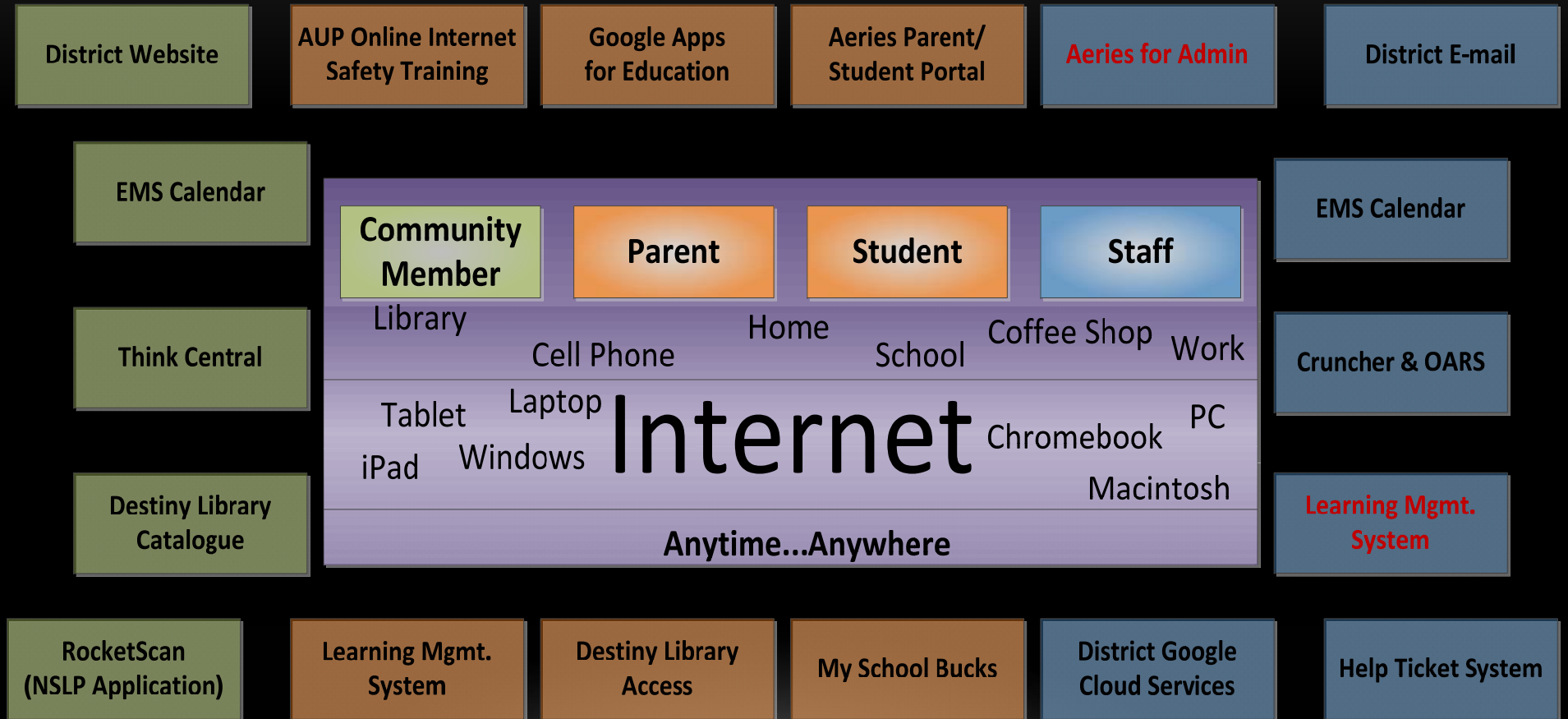
TECHNOLOGY UPDATE

October 2014

Technology Plans: <http://www.cv.k12.ca.us/district/business-services/technology-services>

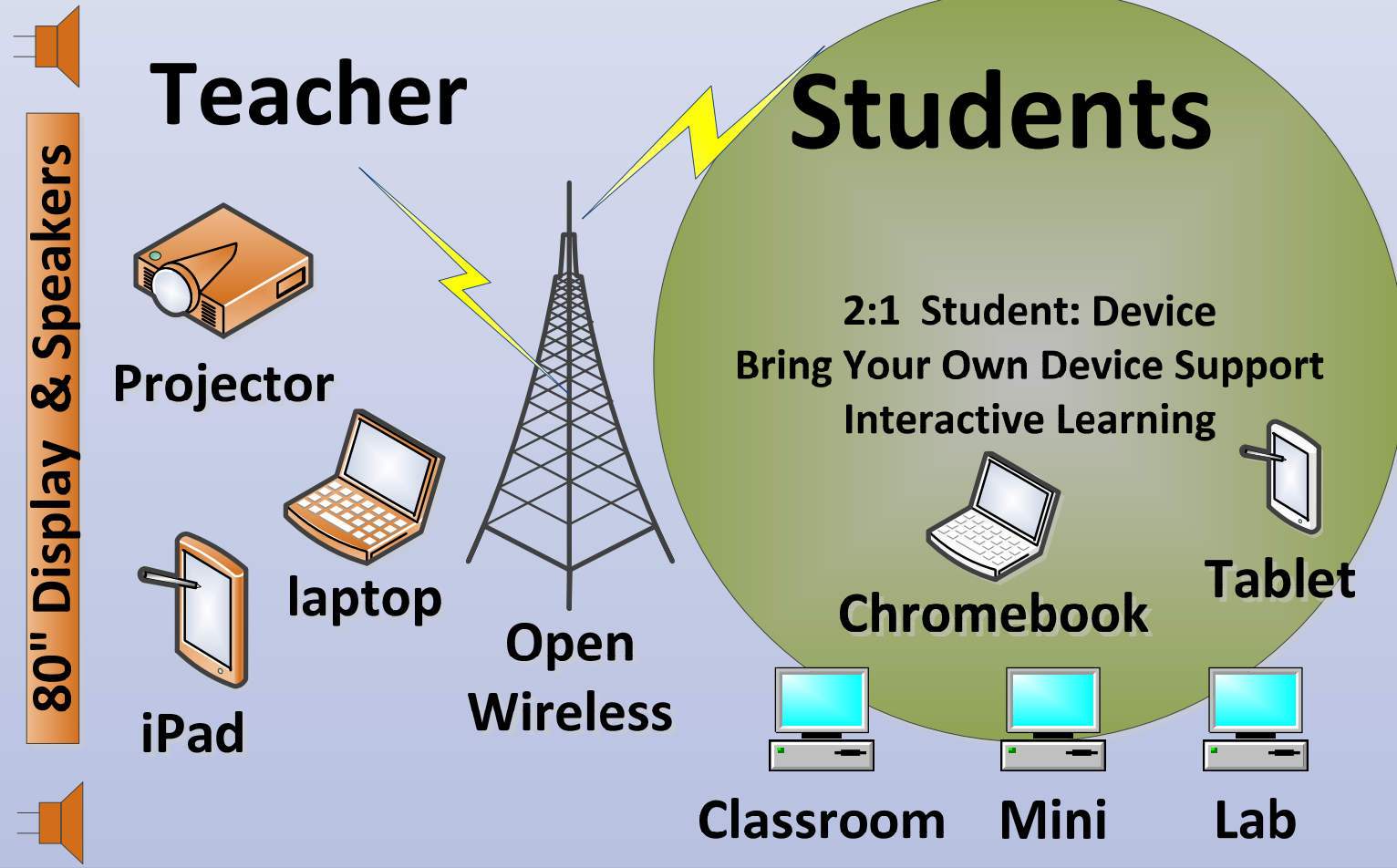
John Richard Perry, Director of Information Technology: jperry@cv.k12.ca.us

UBIQUITOUS ACCESS

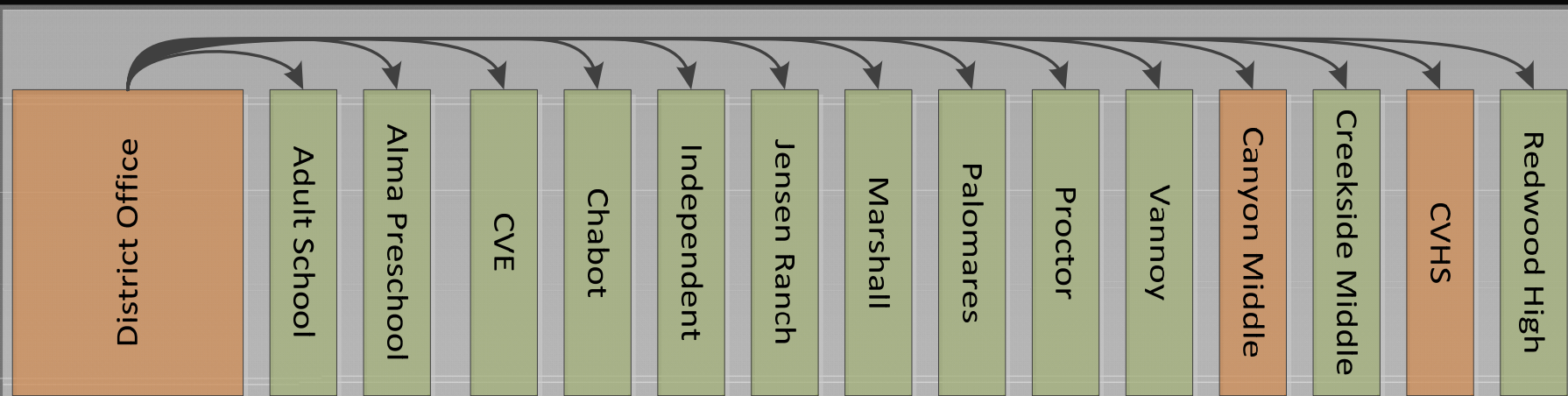


ENVIRONMENT

The Classroom Standard



HIGH-SPEED CLASSROOM INTERNET

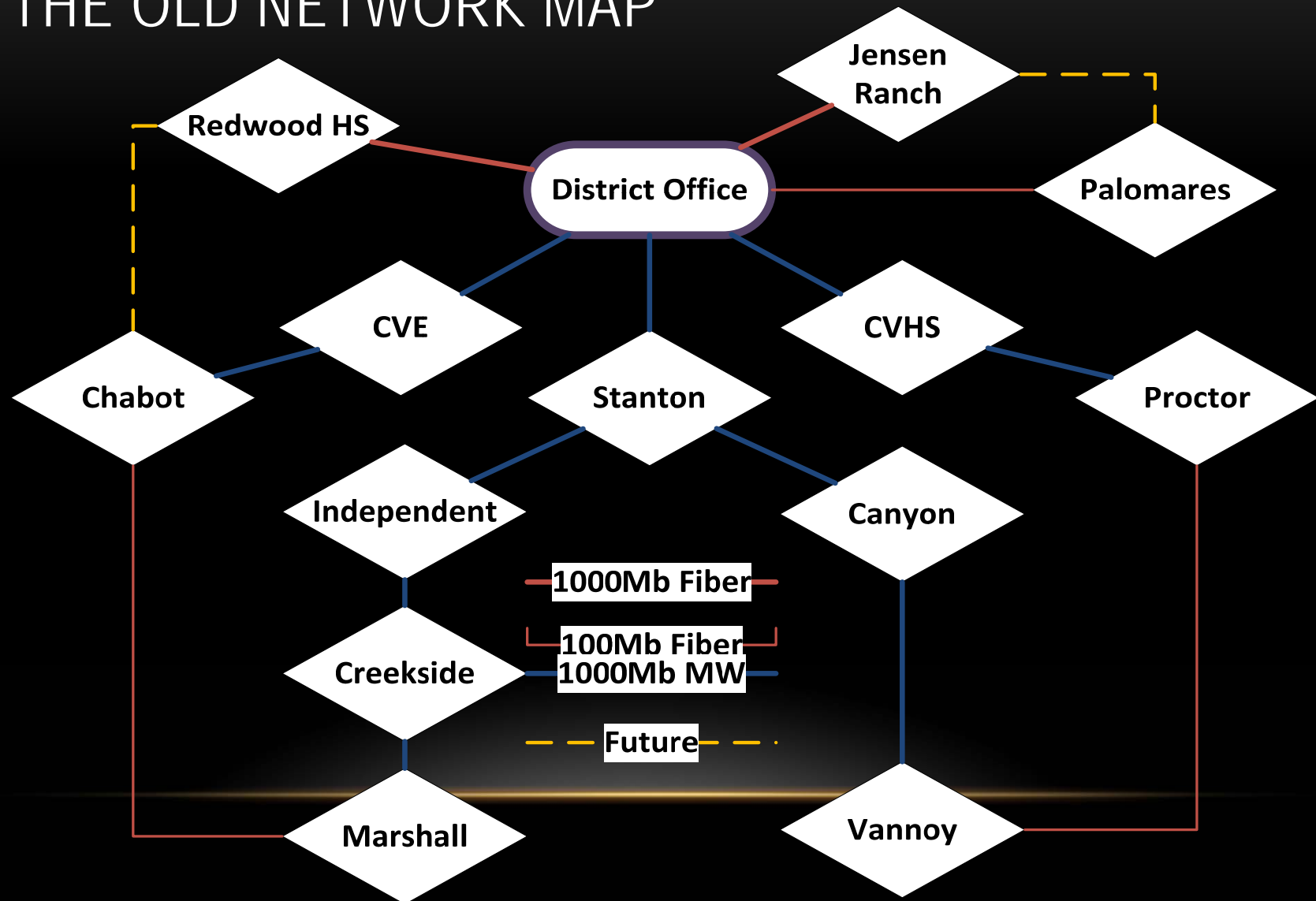


Each school is provided with enough Internet bandwidth to ensure every staff and student has a minimum of 1Mb dedicated throughput

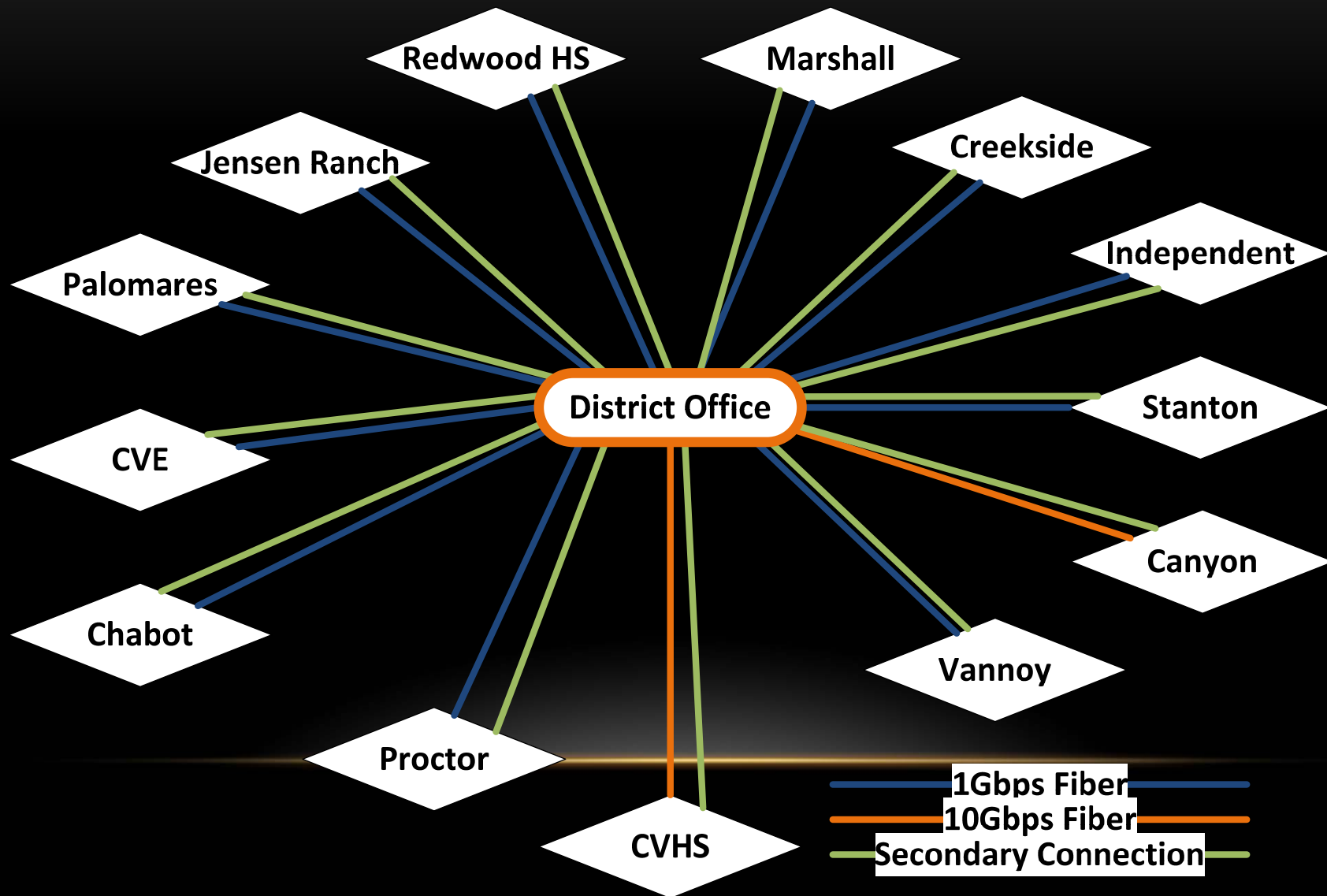
1000 Mb Connection

10,000 Mb Connection

THE OLD NETWORK MAP

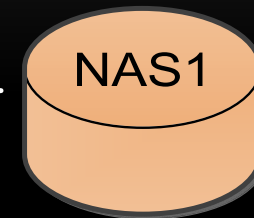
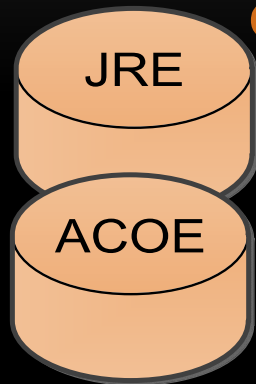


THE NEW NETWORK MAP



SYSTEM REDUNDANCY

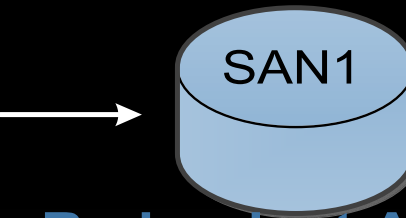
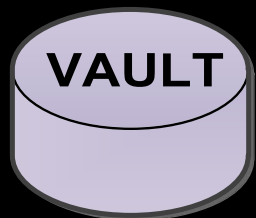
**Secondary /
Offsite backup**



**Catastrophic
Backup
System**

**Standard
Backup
System**

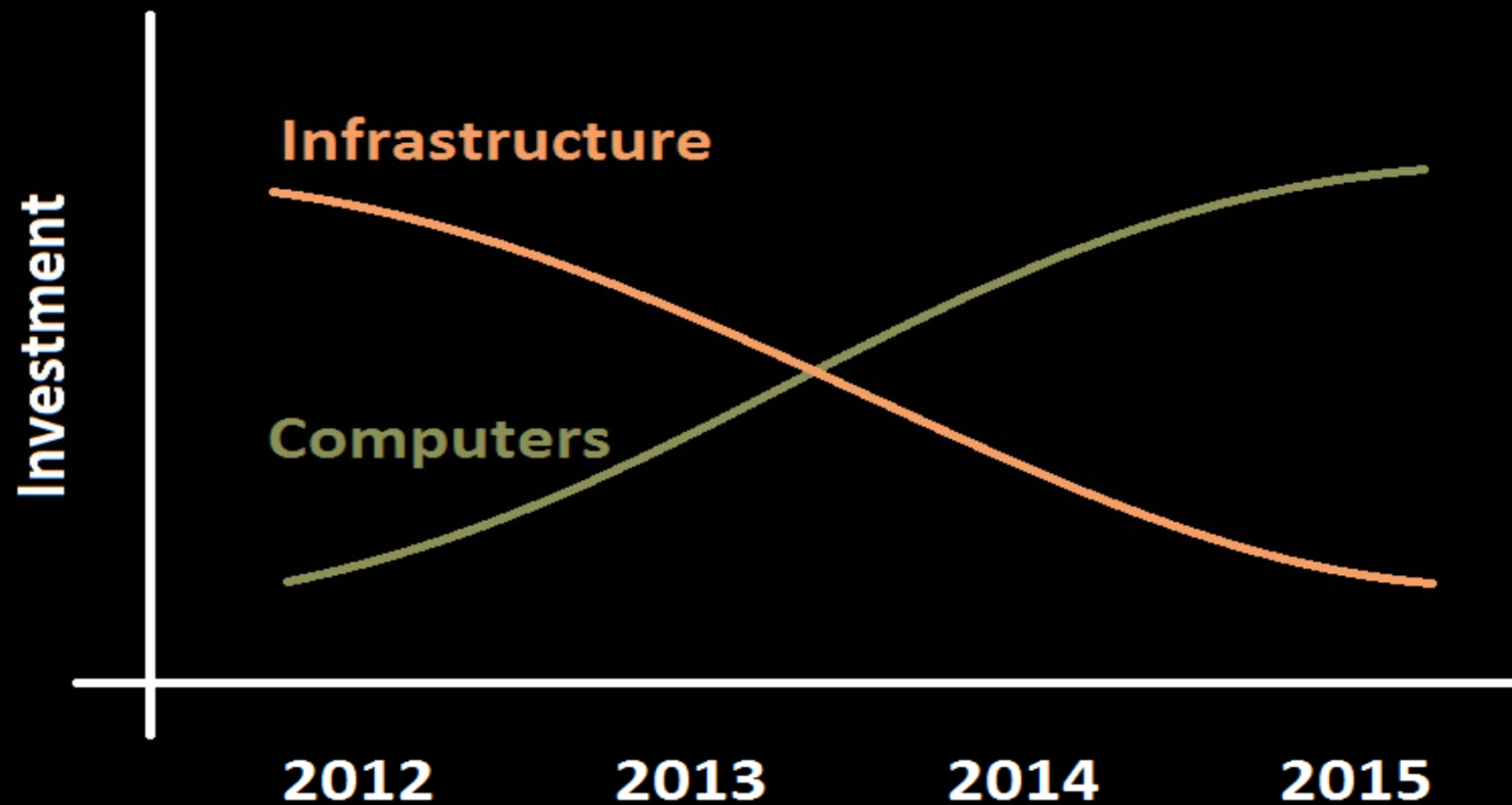
**Cloud Backup
Service**



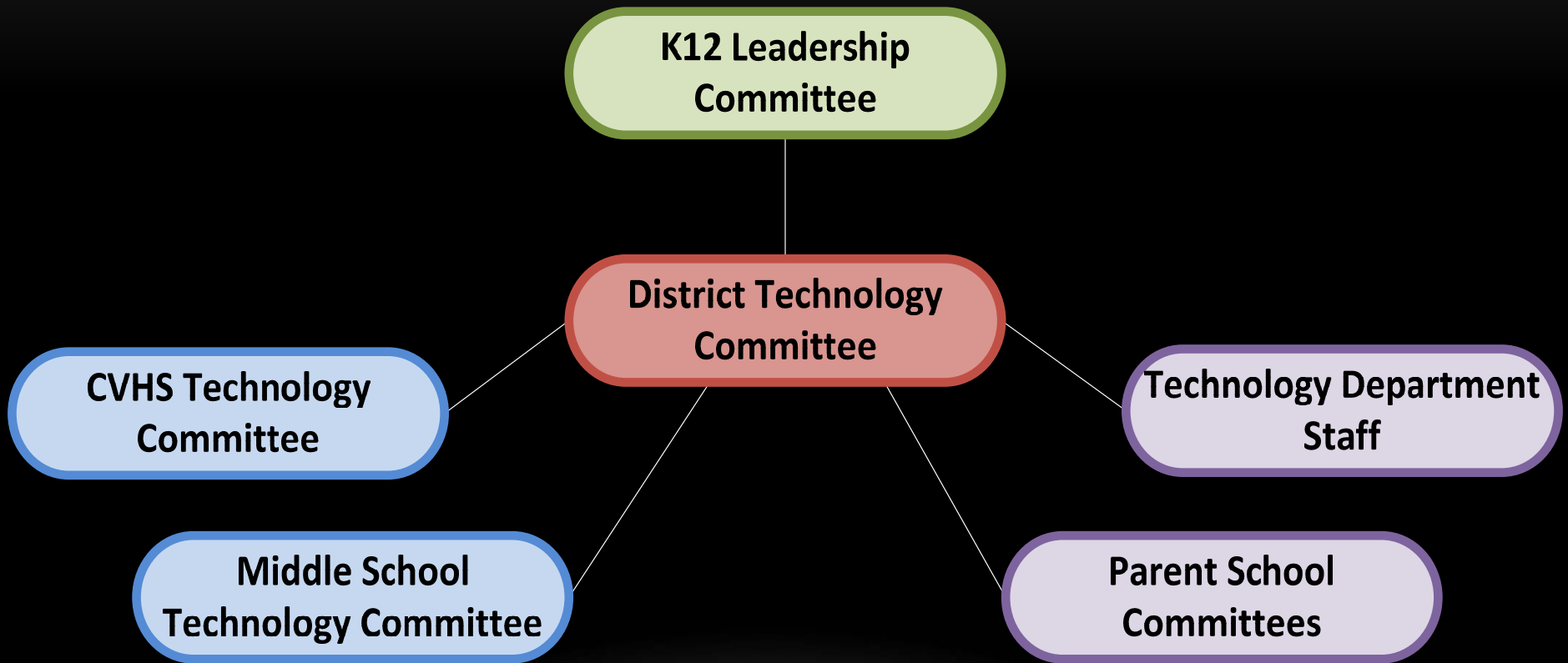
**Redundant Active
Storage Containers**



TECHNOLOGY INVESTMENT STRATEGY



HOW DECISIONS ARE BEING MADE



WHAT HAPPENED IN 2013-2014

- Strengthened the Network
 - Finished implementing district-wide Wifi
 - Upgraded all sites with fiber-optic connections
 - Upgraded District Internet connection
 - Upgraded District Firewall and Content Filter
 - Completed network stabilization project
-

WHAT HAPPENED IN 2013-2014

- Deployed new computers
 - 1300+ Chromebooks
 - 120+ Teacher and staff workstations
 - 150+ Student computers

WHAT HAPPENED IN 2013-2014

- New Initiatives
 - Deployed Google Apps for Education
 - Deployed Typing Club district-wide
 - Deployed AUP Online Cyber Safety curriculum
 - Implemented Aeries online registration and enrollment
-

PLAN FOR 2014-2015

- Stabilize the Change
 - Continue Chromebook rollouts
 - Continue Google training efforts
 - Drive, Classroom, Sites, Mail
 - Continue to upgrade teacher and student computers
 - Continue to strengthen the network

PLAN FOR 2014-2015

- New Initiatives
 - VoIP – Voice Over IP
 - Office 365 implementation and integration
 - Implement management system for iPads

2015 AND BEYOND

- Upgrade Internet from 1Gbps to 10Gbps
 - Upgrade CVHS and Canyon from 1Gbps to 10Gbps
 - Implemented redundant WAN and Internet connections
 - Implement redundant server storage array
 - 3-year Server upgrades
 - Implement Learning Management System
-

OUR TECHNOLOGY JOURNEY CONTINUES...

Questions:

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510-537-3000 x1249

Technology Plans:

<http://www.cv.k12.ca.us/district/business-services/technology-services>