#GenMobile

Is Your District Ready?
Student Population - 5500

- Elementary
- Middle
- Freshman Center
- Senior High

Population = 35,000
Small town/rural
Est. Median Household income $53,143
What is GenMobile?
GROWTH IN THE INTERNET OF THINGS

The number of connected devices will exceed 50 billion by 2020.
What’s On Your Network Now?

- Student
- Teacher
- Personal
- HVAC
- Building Automation
- Security
- ETC...

QCSD BYOD SUMMARY

<table>
<thead>
<tr>
<th>Type</th>
<th>Total</th>
<th>Enabled</th>
<th>Disabled</th>
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<tbody>
<tr>
<td>User Registrations</td>
<td>2530</td>
<td>2529</td>
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<td>Host Summary:</td>
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<td>Registered Hosts (total)</td>
<td>6869</td>
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<tr>
<td>- Safe &amp; Authenticated</td>
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Plan For The Unknown

- Fixed budget cycle - Flatline after four years
  - Stacked loans for 4 years
  - Elementary/Middle School, High School, Teacher/Admin, Infrastructure
- Don’t focus on devices before you look at infrastructure
  - Wireless, Switches, Bandwidth, Cabling
  - Devices will only cause frustration if the infrastructure can’t support them
- Be careful on what you’re buying… Cheaper cost may have hidden or overlooked issues
  - Dated wireless cards - a/b/g/n is being snuck into cheaper configs
  - 1x1 radios
- How to deal with personal technology
  - NAC
  - 2.4GHZ Only, Save 5GHZ for District Devices - 2016-17
Who we are...

- 2081 Students
- 380 Employees
- 109 Sq. Miles
- 51% Free & Reduced
Digital Literacy Initiative

- 1800+ Devices K-12
- Self Insured
- Teachers Applied
- Google Suite
- Continuous Staff PD
- 100% sustainable
Student Help Desk

- AKA BeekSquad
- Grades 6-12
- Repairs, Tickets, Training
Bridging the Digital Divide

- 60 Portable Hotspots
- 10 Busses
- Extends Learning Time
- Provides Equity
Jay Strumwasser
Technology Coordinator for
Challenge Preparatory Charter School
Enrollment & Achievement

Low Income

Enrollment
Students Identified as Eligible for Free or Reduced Price Lunch

Race / Ethnicity
Enrollment by Race / Ethnicity, 2014-15
Our Chromebook 1:1 Initiative

- In 2015-16, 100 Chromebooks were deployed using GoCare for Insurance, GoGuardian for Teachers/Admin for Filter control, and wifi bandwidth was at 50 mbps up and down.
  - 6th Graders pioneered the Chromebook initiative with take home policy Feb-June.
    - Website was set-up to manage insurance requests, parent/scholar policy documents, and request service
- In 2016-17, 200 more Chromebooks were deployed using CDW-G for Insurance, GoGuardian for Teachers/Admin for Filter control, and wifi bandwidth was increased to 300 mbps up and down.
  - 6/7th Graders are 1:1, take home for 7th grade
  - 5th Graders are piloting 1:1 in the Elementary School
  - 2 Chromebook carts for K-4
  - K-4 - 80 legacy laptops reborn as Chromebooks using Neverware Cloud Ready
Our District Portal

Challenge Charter Middle School Chromebook Resource Page

Welcome to the Chromebooks Resource page! Please check back often for updated information and sites to use at home.

In order to expedite the process, please fill out all the forms and bring them with you.

- Parent/School Responsibility Form
- Scholar Responsibility Form
- Photo Consent Form
- Go Guardian Filter FAQ
- Insurance Claims
- CCMS Insurance Form
- F.A.Q.'s
- Chromebook Do's and Don'ts
- Chromebook User Guide
- Google Classroom
With GoCare, our scholars’ chromebooks were insured for Accidents, Theft, and Perils
Parents paid the premium one time in the year, and a $25 deductible covered the device per instance.

Statistics:
- 2015-16
  - 22 claims were put in and devices were returned repaired (some were more than one time)
  - Only 1 Lost Device
- 2016-17
  - 6 devices to date have been returned and repaired
CloudReady is an operating system based on Google’s Chromium OS.
CloudReady uses web apps and cloud storage instead of traditional software and local storage.
You can turn any computer into a chromebook.
  ○ We are in the process of turning 80 older laptops (legacy) into chromebooks.
    ■ We created stations in classrooms to increase equity among devices K-4.