Technology Update

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Timeline 2014-2018

Staff Development

Paper to Digital

Paper / Microfiche / Legacy Process

Digital

Energy Use

Internet Bandwidth

2 Gbps (2000 Mbps)

10 Gbps (10000 Mbps)

Student Devices

Legacy PCs & CRTs

Modern PCs

1000+

Chromebooks
6000+

7500+

9000+

10000+

Tablets

Digital Displays

| 2014 | 2015 | 2016 | 2017 | 2018 |
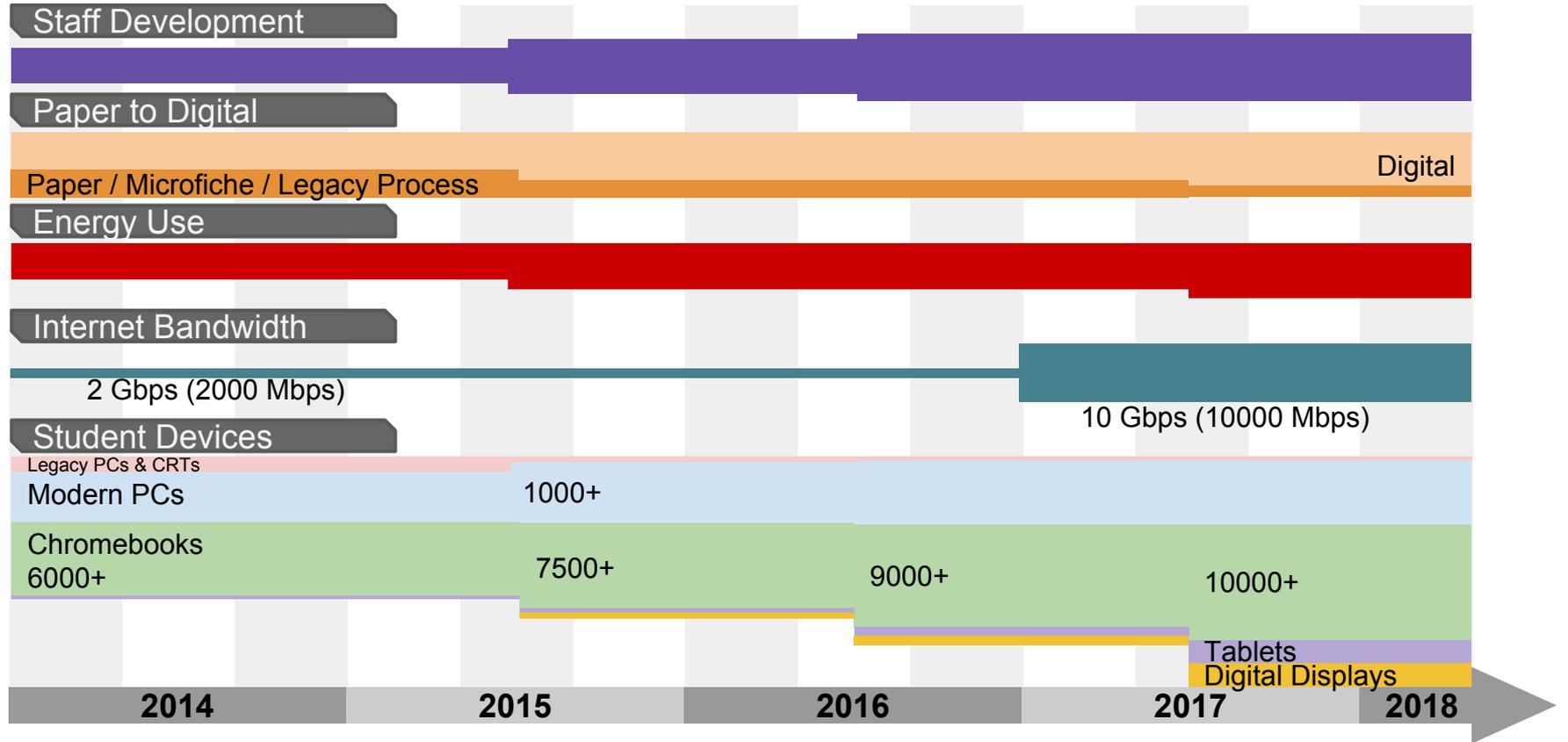
Security

Firewall on both primary & guest network

Bank-level encryption

Advanced Encryption Standard (AES 256)

Departmental Technology

Most internal departments prefer to use legacy software due to present comfort level and cost

Updates

Aeries

Workplace by Facebook

Teacher Laptop Program @ 100%

Milpitas Innovators eXchange

Provides a forum for innovative teachers to exchange ideas, use tools, and share with others

MIX teachers pave the way for others

MIX teachers provide opportunities for other teachers in our district to share the instructional effectiveness of the tools

Technology Readiness & Use

Schools around the world use Milpitas' model of technology

Foundational model of hardware and software deployment (e.g. Chromebooks / iReady) which allows for defined autonomy around teaching and learning (teachers can use appropriate software for their students)

Technology Upgrades

Upgrade priorities are based on budget and tactical & strategic needs

Annual
  $900K : 3000 Chromebooks
  $250K : 150 Staff Laptops
  $340K : Internet Network / WAN

Strategic
  $2.2M : Switch & Wireless
              Replacement 2017-18
  $450K : Server & Network Hardware 2018-19