

## Comprehensive Timeline:

### 2012-13

- Implement Alpine Achievement Upgrade--February 2013
- Distance Learning Center installed at Kesner March 2013
- Purchase Replacement devices for Dibles use--March 2013
- Purchase Kindles for LA text adoption--April 2013
- Hire New IT Director--April 2013
- Review and reassign duties of staff--May 2013
- Implement Google Apps--May 2013
- Publish New Webpage--May 2013
- Implement New Evaluation of Tech Skills--May 2013
- Complete Training on Acuity May 2013
- Replace A+ May 2013
- Train Admin and Counselors on Alpine Achievement May 2013
- Review and Reassign Licensing Purchasing to a centralized model May 2013
- Train all Personnel on Printivity 11/13
- Take Microsoft Exchange Server off-line--May 2013

# Salida Technology Plan

### 2013-14

- Two Part Time Project Assistants (20 Days=\$5000)--August 2013
- Consultant Fees Budgeted For System Analysis--August 2013
- Consultant Fees Budgeted For Student Learning Management System--August 2013
- New Server, Switches, Cable, Devices with New Elementary school--August 2014
- Security System in place with Cameras and door control--August 2014

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- Color Printer Replacement--August 2013
- Smartboards for Elementary School--August 2013

- New Switches, Cable, Devices with New Elementary school--August 2014
- Horizontal Bore/Fiber Cable Pull With New Elementary school--August 2014??
- Construct a Carrier Neutral Facility to Harness Eagle Mountain Broadband--August 2014??
- Budget for Tech Staff Training--August 2013
- Tech team to attend TIE, and one teacher per building (\$100 per person)--August 2013
- Staff Training on Alpine Achievement--August 2013
- Staff Training on Infinite Campus--August 2013
- New Teacher Orientation--August 2013
- Train on A+ replacement--August 2013
- Parent Training on Webpage Use--September 2013
- Migrate to Excent Enrich--August 2013
- Train Sped staff on Excent Enrich--August 2013
- Pilot new LMS--January 2014
- Review and Develop new digital use curriculum--January 2014

### 2014-15

- 1/2 time Technology Integration Specialist
- Publish Plan to deal with 4G/connectivity--May 2014
- Implement LMS September 2014

### 2015-16

- 1/2 Time Project Management Assistant
- 1/2 time Technology Integration Specialist

### 2016-17

# Hardware

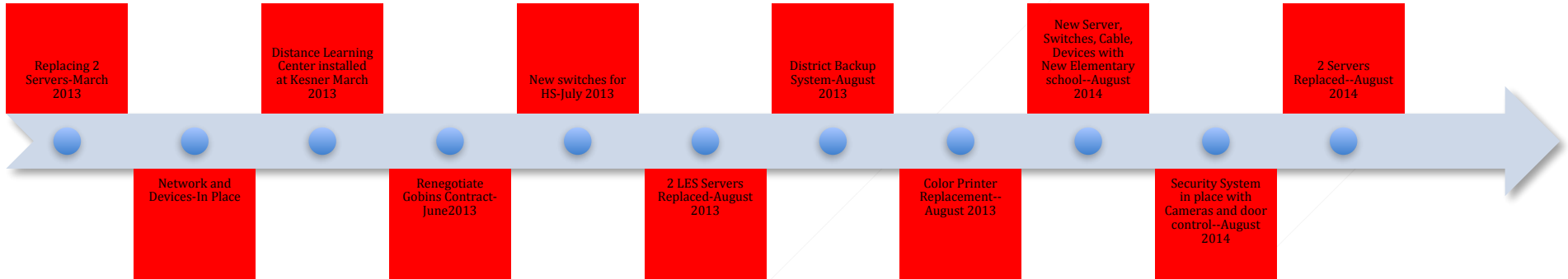


Figure 4: Hardware Needs for Maintenance

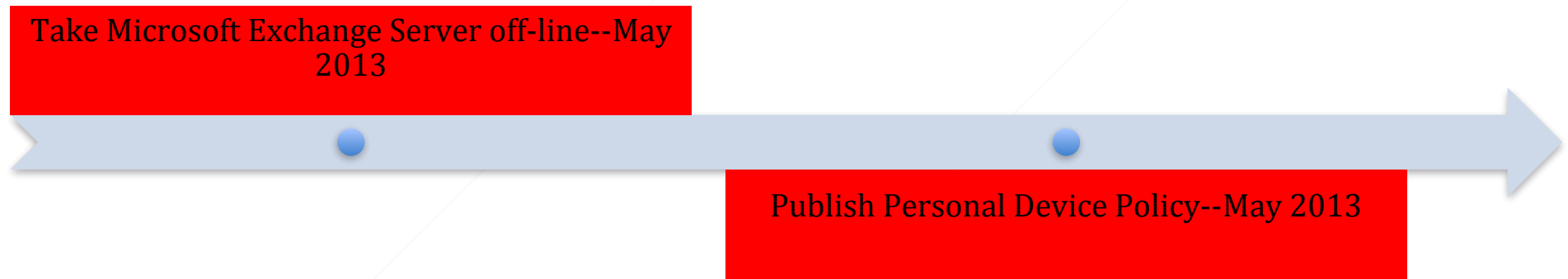
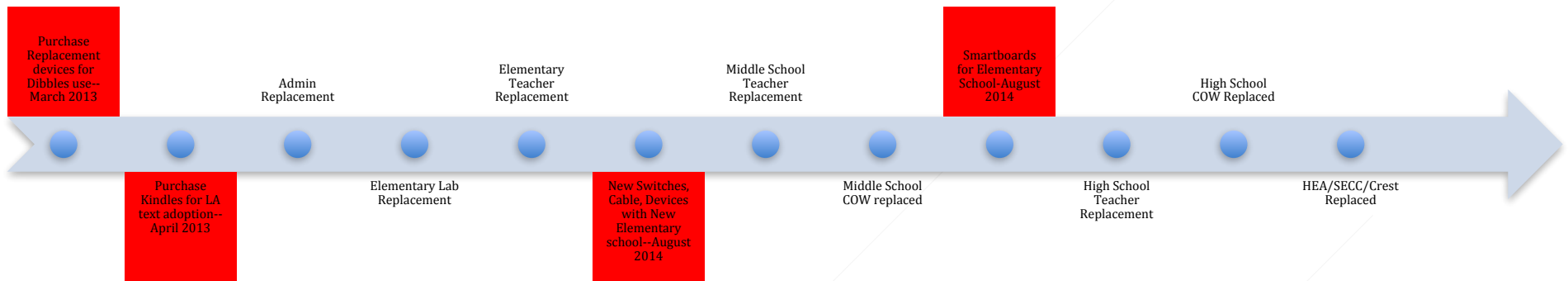


Figure 5: Hardware Needs for Communication



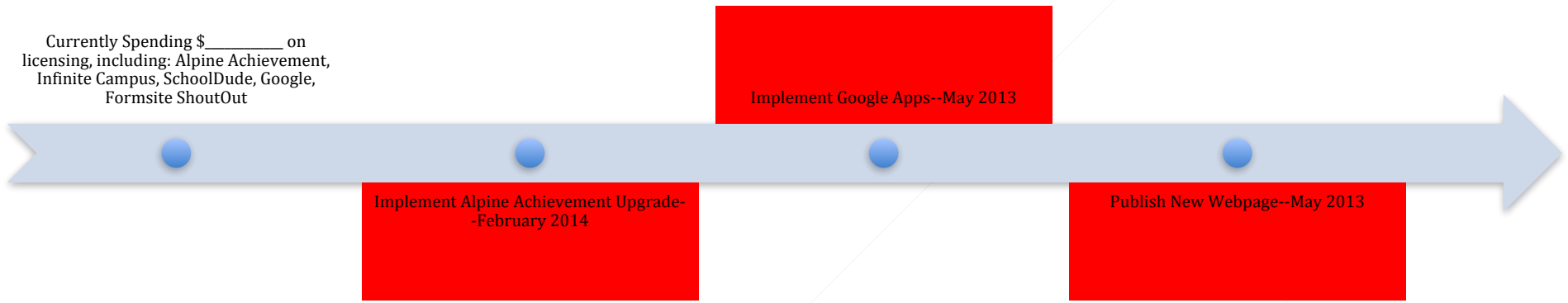
**Figure 6: Hardware Needs for Learning—NEEDS TO BE UPDATED**

## Software



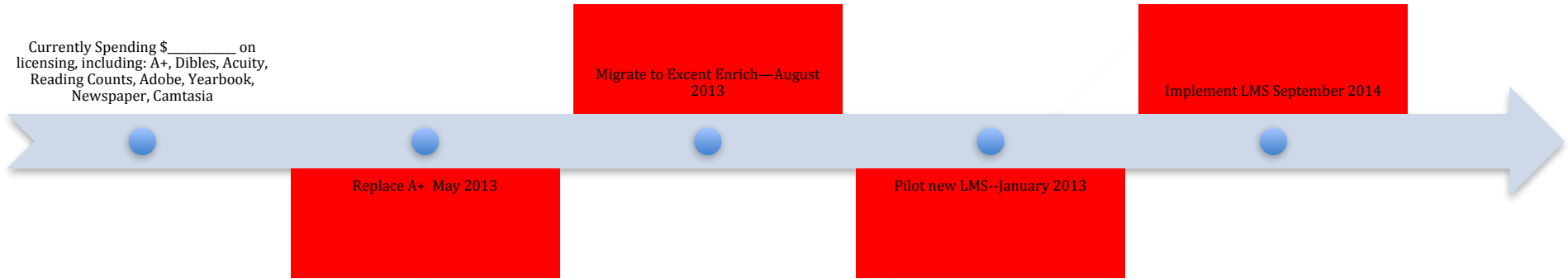
**Figure 7: Software Needs for Maintenance**

Currently Spending \$\_\_\_\_\_ on licensing, including: Alpine Achievement, Infinite Campus, SchoolDude, Google, Formsite ShoutOut



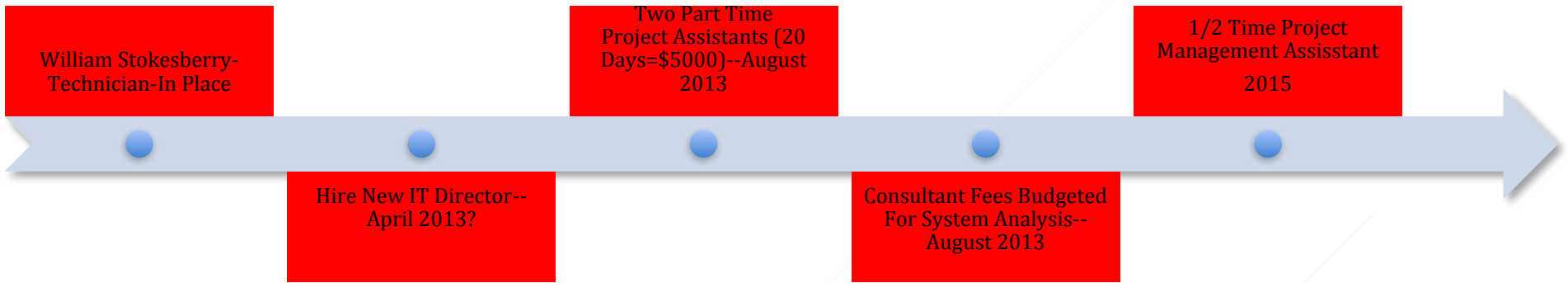
**Figure 8: Software Needs for Communication**

Currently Spending \$\_\_\_\_\_ on licensing, including: A+, Dibles, Acuity, Reading Counts, Adobe, Yearbook, Newspaper, Camtasia



**Figure 9: Software Needs for Learning**

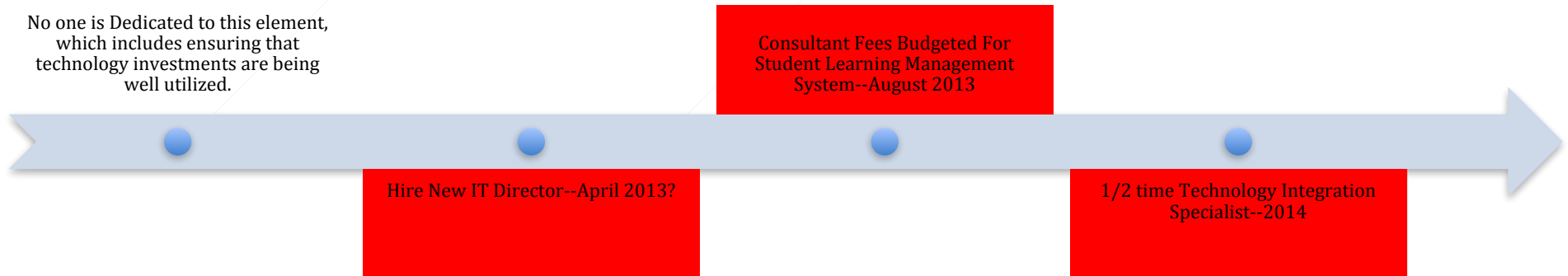
## Staffing



**Figure 7: Staffing Needs for Maintenance**

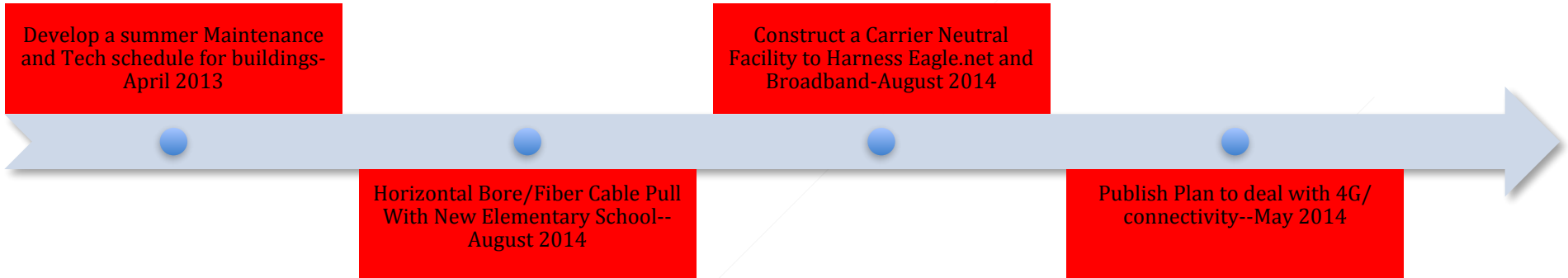


**Figure 8: Staffing Needs for Communication**

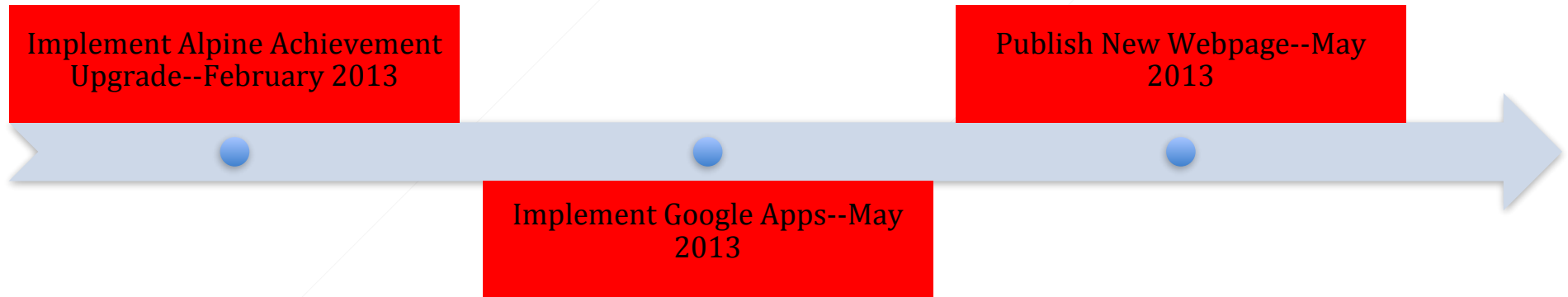


**Figure 9: Staffing Needs for Learning**

## Capacity



**Figure 10: Capacity Needs for Maintenance**



**Figure 11: Capacity Needs for Communication**



Figure 12: Capacity Needs for Learning

## Training

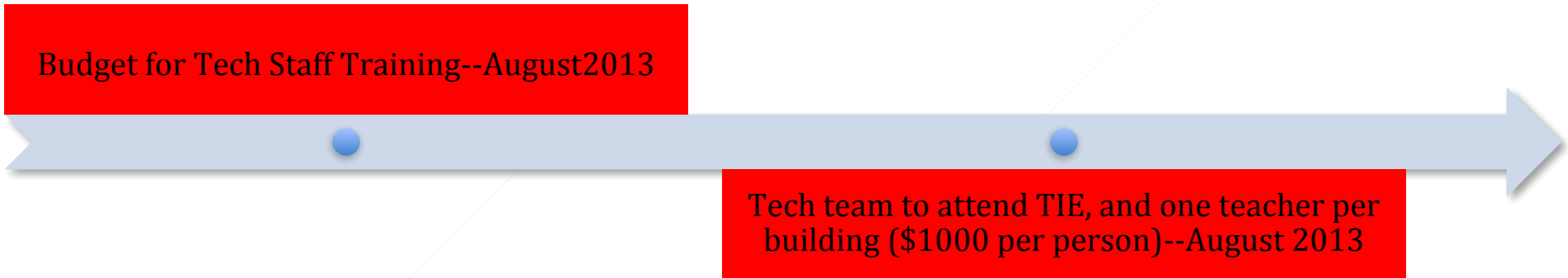


Figure 13: Training Needs for Maintenance

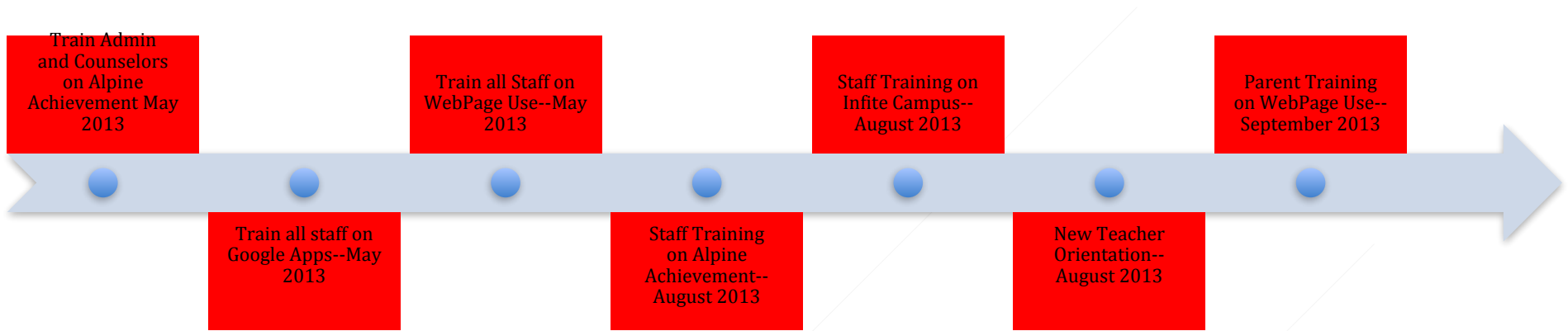


Figure 14: Training Needs for Communication

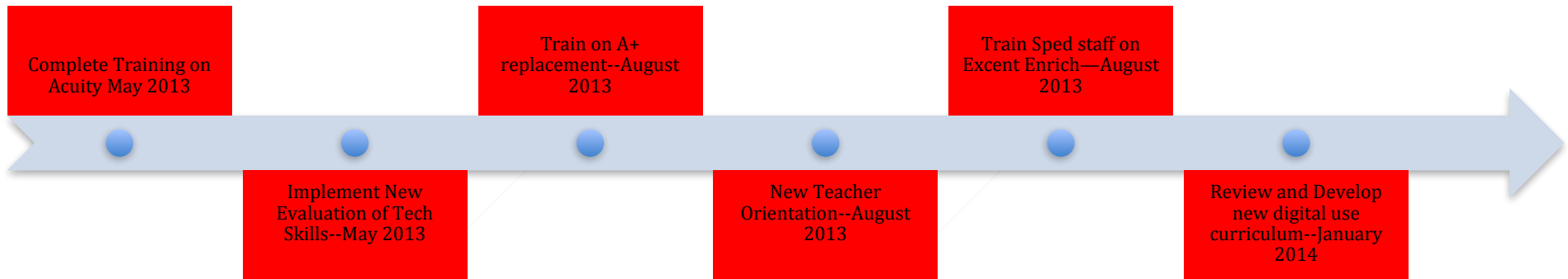


Figure 15: Training Needs for Learning

## Philosophy, Adaptation, and Thoughts

The Right Tool for the Right Job

Organizational Framework: 1.) Maintenance 2.) Communications 3.) Learning

**Vision:** To empower 21<sup>st</sup> Century Collaboration within the Community.

- 1.) Within the next five years we expect to see a reduction in large desktops in favor of smaller computing units. Technology continues to converge and provide units that combine capacities that were once discrete products, such as GPS, still camera, video camera, Internet



browser, etc. We also will see a great increase in network bandwidth speeds, at much lower costs, with the arrival within two years (from late 2012 as this is written) of large broadband service providers, particularly EAGLE.Net. Under their NTIA grant they are tasked with bringing high capacity bandwidth specifically targeted to school districts. This additional bandwidth *should* have a beneficial impact on academics and on the type and numbers of technologies we will employ.

- 2.) On an even larger scope, we must prepare to embrace and employ an expanding mobile wireless world, with connectivity where 3G service gives way to 4G, and subsequent generations of LTE high speed, mobile, ubiquitous connectivity. We must plan to expand to where teaching and learning move outside the confines of the classroom or the school building or the even the district network infrastructure. Connectivity in the future will not (and is not now) be limited to a school's local, wide area network. Educators must learn to harness this connectivity as leaders of learning, rather than being hampered or distracted by it.
- 3.) Investing in technology solutions, however, cannot be disjoined from a base K-12 curriculum that provides the framework for decisions on technology acquisitions and helps educators and administrators focus on purchasing "The right tool for the right job". Think: Single large projects integrating all academic disciplines.
- 4.) Only with adequate teacher training can we ensure that our technology dollar is used effectively. Funding Professional Development will become more critical than ever. Evaluation? Because technology is threaded into and throughout teaching and learning, the best evaluation is direct administrator observation.
- 5.) The Philosophy of Control depends on how the district intends to allocate its technology resources. If assets are allocated one-to-one, then the district must fund supervisory staff to oversee administration of allocation: check out, check in, repair, administer the insurance annual damage and repair fees or other indemnity coverage of costs for loss or damage. On the other hand, if technology is to remain in-house, more administrative planning staff are needed and more is required from teachers. The district must provide adequate IT Department staff.
- 6.) The nature of technology innovation means the district must adapt in a dynamic way. This means providing funds for faster acquisition and implementation (acquisition and costs for disposition) of new technologies.
- 7.) By its very nature, improved communication is a fundamental, operational outcome of technology. We only see growth in communication technologies as mentioned above, with the penetration into greater coverage areas for 4G and future versions of Long Term Evolution (LTE) wireless technology. We must accept that while there may be a practical limit to the distractions to teaching and learning inherent in expecting greater communications capacity, the positive side is greater collaborative projects that integrate all academic disciplines.
- 8.) Our intention is to integrate one-to-one (1:1) computing in a planned, comprehensive manner, where the district has a planned framework, thoroughly discussed by all parties, students, staff, and administration, prior to implementation. We will look to best practices, and to other institutions whose concepts are workable and acceptable.
- 9.) Current teaching staff can support the existing system through focused training to leverage assets provided by the IT Department, such as large(er) internal storage arrays for teachers' Flipped Classroom videos; greater availability of learning to students at any time; indeed, we must provide for even larger (multi-terabyte) outside storage for large video projects assigned to students. These resources should be available

from anywhere, not just within the district network. This is the practical side to embracing higher bandwidth provided by LTE mobile services. This means the Board must provide the IT Department with adequate operating funds so we can provision large, cloud-based storage sites and provide dynamically expanding bandwidth. Users in-district will require greater bandwidth for larger video or multi-media projects.

10.) The current curriculum, this entrenched concept of platform teaching, must be reformed to focus on guided, multi-disciplinary, integrated, large-project real-world teaching and learning.

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