

# Hadley Public Schools Technology Plan

## March 2018

### Goal 1:

Ensure students and educators have broadband access to the Internet and adequate wireless connectivity.

- With the recently installed upgrades to a/c wireless network with high performance access points (AP) the wireless infrastructure of HPS is viable for several years into the future.
- The recently installed upgrade to our firewall appliance is also viable for the foreseeable future.

### Objectives:

- Install ISP services direct to HES separate from the services to Hopkins and the Admin. Building.
- Install upgraded Ruckus wireless controller to accommodate future traffic loads (this will be completed within weeks as the device is already on-site).
- Separate the HES wireless from the rest of the district to take advantage of the separate ISP feed. Use the Ruckus and Fortinet appliance controllers removed from the Admin. Building to manage the new access.
- As funds allow and if prices decline, increase the speed of the ISP feed.

### Goal 2:

Ensure that every student and educator has at least one Internet access device and appropriate software and resources for research, communication, multimedia content creation, and collaboration for use in and out of school. Much of this is already in place for “in school” opportunities with the numbers of devices currently in place with a significant additional quantity to be added within weeks.

### Objectives:

- Initiate a program of providing Chromebook devices to each student in Hopkins with the first recipients being the Jr. and Sr. classes starting in the 2018-19 school year. Issues such as damage responsibility, ownership, web control, repair costs, insurance, eventual ownership, and all other items to be decided by the Administration staff and the Tech. Committee.
- Expand the number of classes having devices by 2 each of the subsequent years until all of Hopkins students have a personal use Chromebook starting the school year of 2020.
- Survey students to understand prevalence of lack of home ISP service. Include available and broadband and cell access. Review options for providing Internet access to all students that may not have it in their homes. Implement the option(s) that provide the most performance value.
- All home ISP services must include the same level of filtering as the on campus devices do.

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## Goal 3:

Support the development and use of openly licensed educational materials to promote innovative and creative opportunities for all learners and accelerate the development and adoption of new open technology-based learning tools and courses.

### Objectives:

- Continue to expand the use of Google Apps and G-Suite. Provide guidance to Department Heads and Teachers regarding available tools and resources via webinars, PD, and curriculum direction.
- Expand the use of Google Classroom to be the standard for all students in Hopkins and, where appropriate, in HES. Provide PD for teachers to transition to the tools.
- Expand the use of Google Drive and Google Team Drives for faculty and students. Remove the use of the local server as a data storage option.
- Install the Google Drive File Stream on all faculty and student Windows devices to facilitate the use of Google Drive and Team Drives.

## Goal 4:

Draft sustainability plans for infrastructure concerns that include upgrades of wired and wireless access as well as device refresh plans and sustainable funding sources while ensuring the safety and protection of student data.

### Objectives:

- Continue to solicit funds from Helping Hearts, the Hopkins Trustees, and other outside sources to supplement long term capital improvement plans submitted to the Town.
- Ensure all expenditures fit into a plan of use with attainable goals and benefit the district as a whole. Requests to organizations are to be reviewed and approved by the Technology Committee. Requirements for approval will include:
  - a. avoidance of deviations from the supported technical direction
  - b. avoidance of the creation of unsustainable future budget requirements
  - c. history of improvements in student learning.

## Goal 5:

Establish a process within each school building of reviewing technological direction and potential technology tools that can be implemented to improve the learning process.

### Objectives:

- Department heads in Hopkins and Principal in HES (along with selected teachers) meet once or twice a year with the Technology Committee to review how their department is using technology and what their needs are for the upcoming 1-2 years.

Approved and Adopted by School Committee June 20, 2018