

**Kingston Hill Academy 2016-2018 Technology Plan**  
**-FOR PUBLIC USE-**

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## **1. EXECUTIVE SUMMARY**

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The I.T. Department exists to “*support the mission and staff members of Kingston Hill Academy by delivering reliable and intuitive technology solutions.*” Technology is growing in importance to the organization as more and more teachers, students and administrators rely on computer-based technology to do their work. We view technology as a resource, not an obstacle. This report lists improvements made during the last planning period and serves as a blueprint for planned improvements during the next planning period. The technologies for which the Information Technology Department has full or partial responsibility are: infrastructure, network, computer hardware and software, terrestrial and cellular telephones, audio-visual equipment, print/copy/scan/fax devices, data stewardship, wiring, camera systems, and door access controls.

During the 2014-2015 planning period, the Kingston Hill Academy has made the following technology improvements to the school:

1. Replaced physical server infrastructure.
2. Replaced core switching and network components.
3. Upgraded server side operating systems.
4. Implemented large scale WiFi deployment.
5. Replaced 40 student and staff PCs.
6. Overhauled APC battery backup and power protection plan.
7. Implemented a regular backup and recovery strategy for all company data at this location.

The following are planned technology improvements to the Kingston Hill Academy computing infrastructure between 2016 and 2018.

### **Planned Improvements**

1. Deploy robust policy based content filtering solution by March, 2016.
2. Replace firewall and edge security by 2017.
3. Upgrade internet circuit by 2017.
4. Streamline audio visual delivery station for large AV events.
5. We are currently investigating the provision of 1:1 technology to our upper grade students. We plan to accomplish this through grant resources.
6. By 2016, we would like to have our current faxing solution replaced with an electronic document management system.
7. By 2018, we would like to replace digital Inter-tel phone system with a VOIP network integrated phone solution.
8. By 2018, we would like to have our email hosted by a cloud provider for redundancy and resiliency.
9. Replace commodity NAS storage with higher end enterprise NAS/ISCSI solution. This will provide reliability and redundancy on the backend of our infrastructure.

## **2. ABOUT THIS DOCUMENT**

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This document contains a self-assessment and a three-year plan of action for the Information Technology Department of the Kingston Hill Academy. The document was created as a way for Matt Rodriguez, the Information Technology Director to understand and prioritize the work of the department immediately after being

hired. The prioritized plan will be maintained going forward so the Information Technology Department always has a rolling three-year plan that is current, strategically relevant, and useful as a guide to operational decision making.

This plan is to be used to guide the work of the Information Technology Department from fiscal year 2014 through fiscal year 2017. This plan can also be useful for:

- **Executive Oversight:** Technology must be managed like any other resource. This report is written to provide understanding and insight into the goals and methods being used by the Information Technology Department.
- **Strategic Planning:** An important part of developing a strategic plan for the organization includes technology as a way to reduce costs, increase productivity, or enable new opportunities.
- **Communicating with Directors:** A way for program directors to validate the Information Technology Department has correctly captured the technology needs of a program and also for directors to see what solutions other programs have developed.
- **Communicating with External Stakeholders:** A way for the program to communicate technical plans with funders, families, regulatory agencies, or other external stakeholders.
- **Budgeting:** This plan can be used as either a rationale for expenditures, or as an aid in establishing operating budgets for programs and departments, including the information technology department.
- **Fundraising:** There are often opportunities for technology to be implemented or upgraded as part of program-specific funding.