



To: Wayland School Committee  
From: Leisha Simon, Director of Technology and Assessment  
Date: 1/13/09  
Re: Technology Capital Summary

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### Summary

This Capital request for technology supports Wayland's progressive movement into the delivery of 21<sup>st</sup> century teaching and learning methodologies. This vision supports the development of a robust, business-class network infrastructure from which we will add technology resources required by teachers and learners as we develop our globally competitive educational landscape.

- Upgraded Internet and Network Access
  - Cloud Computing: Use of Internet resources provide home to school connection
- Consolidated Server Infrastructure
  - Easier to support, saves money on electricity and maintenance
  - Virtualization, cost-cutting implementation of technology resources
- 1:1 Teacher and Student Computer Initiative
  - Project-based interdisciplinary learning
  - Virtual online learning
  - Globally Competitive life-long learning and communication skills

### Teaching and Learning

It is pertinent to note that 21<sup>st</sup> century skills change the way we teach and the way students learn. Teachers become guides on the side, and students become actively involved in constructing knowledge through research/inquiry-based projects that are interdisciplinary. The use of technology is paramount in this teaching and learning environment. This Capital request lays the foundation to continue to implement these new instructional methodologies in Wayland Public Schools to meet the needs of our future, for the children of Wayland, and to remain globally competitive.

### Efficiencies

It is important to note that these upgraded technologies also provide us with a number of efficiencies in the way we do business as an educational institution in the 21<sup>st</sup> century.

- Resources for research, writing, communication and global appreciation
- Assessments and portfolios that foster immediate data-driven instruction
- Individualized learning plans that can be easily shared and altered
- Software applications that provide differentiated instruction and remediation at home and at school
- Online learning that provides numerous, additional educational opportunities for all students
- Virtual field trips