

**NEWTON PUBLIC SCHOOLS
100 WALNUT STREET
NEWTON, MA 02460**

MEMORANDUM

TO: Board of Aldermen
FROM: David Fleishman
Superintendent of Schools
DATE: June 4, 2012
RE: Response to questions

One of the biggest challenges Newton educators face is preparing our students to work and thrive in the 21st century. Most educators realize that in addition to "traditional" basic literacy, we need to teach students the vital skills required in this digital age, such as critical thinking, problem solving, and collaborations. By providing up-to-date resources, along with the professional development needed to make the best use of these resources, we are able to weave technology into teaching and learning. This integration will help us to differentiate instruction and engage students in the quest for deeper understanding of concepts needed to flourish in a complex and every-changing society.

At this time, our budget does not come close to covering the expenses related to providing the technology necessary to achieve our goals. Newton Public Schools is working in a partnership with the City, Newton Schools Foundation, the PTO's and Boston College to provide these necessary funds.

Our first priority related to technology is to ensure we have up-to-date learning environments and that means having strong and reliable access to the Internet and to appropriate computing devices, tools and resources.

We provide more detail about this teaching, learning and technology initiative in both our NPS Strategic Plan and our Technology Plan.

Our Tech Plan, called "Literacy21: Learning Powered by Technology" can be found at: http://www3.newton.k12.ma.us/sites/default/files/tech_plan_05_14_12_1.pdf
Pages 2-3 explain how technology supports teaching and learning for all student and teachers.

The NPS Strategic Plan, called "Vision 2020: Preparing All Students for Success in College, Career, and Life" can be found at: <http://www3.newton.k12.ma.us/vision-2020>

Attached is a draft budget working document that might help you see more specific technology budget needs that support Literacy21.

Please let us know if you need any further information.

Literacy 21 Budget Plans 2012-2014 Infrastructure/Foundation	Date 6/1/12 Project	DRAFT Cost	Funding Source
Newton North HS	Update Wireless to support 2 5:1 (200K)	\$200,000	NSF/PTO/CIP
Newton South HS	Update Wireless to support 2 5:1.(200K)	\$200,000	NSF/PTO/CIP
Middle School DW	Internal/Wireless Network Update support 2.5 devices:1 Connect each middle school building to the Ed Center over single fiber at 10G	\$650,000	(212K E-Rate) Remainder from NSF/PTO/CIP
Elementary DW	Expand Coverage of wireless networks	\$20,000	FY13 Operating
District Wide	Learning management system (LMS)	\$16,000	FY13 Operating
	Install paperless processing system	\$20,000	FY13 Operating
	Expand District SAN Storage	\$20,000	NSF/PTO/CIP
	Upgrade MS Office District Wide to 2010/11	\$50,000	NSF/PTO/CIP
	Expand Online Library catalogue allow student access and platform integration	\$10,000	FY13 Operating
	Replace PowerSchool SMS Server	\$15,000	FY14 Operating
	Continue Build out of disaster recovery	\$85,000	NSF/PTO/CIP
	Begin media distribution head end build out	\$300,000	NSF/PTO/CIP
	Total	\$1,606,000	
Student Access			
Newton North HS	Maintain student access with upgrade & updates	\$40,000	NSF/PTO/CIP
	Laptop/upgrades & updates	\$120,000	NSF/PTO/CIP
Newton South HS	World Language Lab	\$40,000	FY13 Operating
	Update Lab & Library computers		
	Laptop/Desktop update	\$270,000	NSF/PTO/CIP
	Laptop/upgrades & updates	\$100,000	NSF/PTO/CIP
Middle School DW	iPad Pilot conversion for Grade 6 1.1	\$30,000	FY13 Operating
	Update Lab & Library computers		
	Laptop/Desktop-Phase 1	\$321,000	NSF/PTO/CIP/BC
	Update Lab & Library computers		
	Laptop/Desktop-Phase 2	\$321,000	NSF/PTO/CIP/BC
Elementary DW	Update Lab & library computers		
	Laptop/Desktop - Phase 1	\$210,000	NSF/PTO/CIP/BC
	Update Lab & Library computers		
	Laptop/Desktop - Phase 2	\$210,000	NSF/PTO/CIP/BC
	Total	\$1,662,000	
Teacher/Classroom/Admin Access			
Newton North HS			
Newton South HS	New Classroom LCD Projectors	\$157,000	NSF/PTO/CIP
	Complete Classroom Document Camera rollout	\$36,000	NSF/PTO/CIP
	Update Teacher Laptops	\$260,000	FY14 Operating
Middle School DW	Complete Classroom Document Camera rollout	\$83,000	NSF/PTO/CIP
	Complete LCD Projector distribution	\$13,000	NSF/PTO/CIP
Elementary DW	Complete Classroom Document Camera rollout	\$13,000	NSF/PTO/CIP
	Replace K-3 Teacher Laptops	\$240,000	FY13 Operating
	Library/Lab Interactive Technology	\$55,000	NSF/PTO/CIP

Professional Development:	Total Continue the building of staff skill sets in the use of productivity & media tools. Google Doc Training Expand on the use of OurNewton's resources including the Learning Management System Continue the building of staff skill sets (productivity & media tools) Google Doc Training Expand on the use of OurNewton's resources including the Learning Management System Total	\$857,000 \$100,000 \$100,000 \$200,000	NSF/PTO/CIP/FY13 Operating NSF/PTO/CIP/FY14 Operating
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