

# Technology Update

Barrington School Committee

December 15, 2011

# Technology Planning Cycle

- Current plan targeted for review this year
- 2009 plan based on International Society of Technology Educators (ISTE) belief that :

*“to live, learn and work successfully in an increasingly complex and information rich society, students and teachers must use technology effectively”*

- Goals around: Communication, Data Management, Implementation of Standards (ISTE), and Innovation
- Stakes have increased: Basic Education Plan (BEP), Race to the Top (RTTT), district entering into strategic planning process, and explosion of new technology
- Propose aligning plan this year with National Education Technology Plan 2010 (NETP 2010) in order to effectively meet emerging challenges

# Big Picture

National Education Technology Plan 2010: Presents a model of learning powered by technology with goals and recommendations in five essential areas:

1. Learning: Engage and Empower

2. Assessment: Measure What Matters

3. Teaching: Prepare and Connect

4. Infrastructure: Access and Enable

5. Productivity: Redesign and Transform

*Call is for revolutionary change!*

# Technology Planning: Putting the plan into action in Barrington

## Instructional Hierarchy

State Level	Common Core Standards															
	Scope and Sequence															
	Quarter 1				Quarter 2				Quarter 3				Quarter 4			
District Level	Units of Study				Units of Study				Units of Study				Units of Study			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Teacher Level (Lesson Plans)	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1
	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1
	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1	LP1
Formative Questions Embedded in Lesson Plans throughout the Year																
Instructional Management System	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test	Unit Test
Interim Assessments																
	Growth IA												Diagnostic IA			
Growth	GRO															GRO
Diagnostic			DIAG			DIAG					DIAG				DIA	
Summative Assessments																
NECAP or			NECAP												TC3	EOY PARCC
PARCC			?			?										

Best strategies for first 3 essential areas will emerge from **engagement** around Common Core, PARCC & Educator Evaluation

1. Learning: Engage and Empower
2. Assessment: Measure What Matters
3. Teaching: Prepare and Connect

### How will we engage?

- Actively participate in national, state, district, and school conversations around these topics
- Solicit input and ideas from stakeholders including students, parents, teachers and community members
- Collaboratively plan for and promote resource allocation to fully implement plan

# Technology Planning: Putting the plan into action in Barrington

What we know we need to do now to step toward meeting the challenge:

## 4. Infrastructure: Access and Enable

**Challenge:** All students will have access to a comprehensive infrastructure for learning when and where they need it.

## 5. Productivity: Redesign and Transform

**Challenge:** Education system at all levels will redesign processes and structures to take advantage of the power of technology to improve learning outcomes while making more efficient use of time, money, and staff.

# 4. Infrastructure: Access and Enable

Provide every student, educator, and level of our educational system with resources where and when they are needed

- Implement enterprise wireless throughout the district
- Expand bandwidth to accommodate explosion of need
- Continue with evaluation of contemporary devices as traditional PC replacement
- Prepare for Bring Your Own Device (BYOD)

Provide servers, software, management systems, and administrative tools

- Maintain our existing structure of over 1000 computers and supporting network systems and peripherals
- Upgrade OS XP to Win 7

Focus on people, processes, learning resources, policies and sustainable models

# 5. Productivity: Redesign and Transform

## Embrace Continuous Improvement

- Plan for migration of special education and Literacy case management from TIENET to Aspen (X2) – connected systems
- Consider viability of continuing to use SharePoint for web presence – must upgrade and maintain continuity of content
- Evaluate continued migration to cloud applications like Microsoft live@edu, Google apps for education
- Plan for incorporation of web 2.0 resources in support of teaching and learning – digital content & collaboration
- Plan for blended learning – online courses, credit recovery
- Focus on beginning to develop metrics on how well investments in technology are improving learning outcomes and productivity

# Moving Forward

- 2012 launch of an expanded collaborative planning process
- Formation of a broad-based technology planning team
- Development of district technology plan with goals and action plans aligned to each essential area
- Advocate for full implementation of plan

## Resources

- [Barrington Public Schools Technology Plan, September 2009](#)
- [National Education Technology Plan \(NETP 2010\)](#)
- [Basic Education Plan](#)
- [RIDE Data Enterprise System Overview 11-22-2011](#)