NC State Board of Education
Update on the
North Carolina 1:1 Learning Technology Initiative
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What is the NC 1:1 Learning Technology Initiative?

- A strategic approach to creating future-ready high schools
  - A laptop computer for every student and teacher
  - Broadband connectivity and wireless access
  - Other technology resources
  - Teachers prepared to use technology to enhance teaching and learning
  - 21st century skills integrated into the curriculum
- Addresses equity, engagement, and economic opportunity issues
- To prepare future-ready students, we must provide future-ready environments in our schools.

The 1:1 Initiative builds on and extends

- School Connectivity Initiative
- Project IMPACT Model Schools
- NC Virtual Public School/Lean and Earn Online
- New Schools Project/Lean and Earn Early College Schools
- Center for 21st Century Skills
- Learn NC Online Professional Development Programs
- High School Graduation Project Requirement
- New writing assessments developed at DPI
- And other initiatives

Schools already underway

- Pilot schools
  - Original set
    - 7 Early College Learn & Earn High Schools: Davidson, Edgecombe, Macon, Nash-Rocky Mount, Rutherford, SandHoke, Wayne
  - 1 large school HS in Wilson County
  - Recent additions
    - Edgecombe, Chatham County, Whiteville City Schools, Wilkes County
- Locally funded 1:1 programs
  - Greene County and Mooresville City are the largest
  - 9 New Tech High Schools
- Districts working on plans and proposals

Funding provided by

- GoldenLEAF Foundation: student computers
- SAS: teacher computers
- NC General Assembly through DPI: infrastructure, professional development, school staffing, evaluation
- Local school districts, communities, and foundations
- Others, such as the Mebane Foundation, Lowes

NCLTI 1:1 Pilots
Results from the Pilot Schools

- Good progress on
  - Technology infrastructure
  - Technology support staff
  - School policies and procedures
  - Community information sessions
  - Teacher professional development
- Increased
  - Use of computers by teachers and students
  - Comfort with technology by both teachers and students
  - Curriculum integration of technology and 21st century skills
  - Communication and students, parents, and school staff
  - Student engagement

Lessons Learned

1. Leadership really matters
2. Change takes time
3. Ongoing professional development is imperative
4. Defining the appropriate balance between student safety, acceptable use, and access to web-based resources is difficult
5. Classroom management strategies and tools were not adequate
6. Skilled Technology Facilitators play a significant role in the success of technology integration into classroom practices
7. Careful budget planning and broad-based engagement of key stakeholders are important for success and sustainability
8. Attending to the many details makes all the difference

Next steps to prepare for a large scale initiative

- Integrate 21st century skills into the curriculum standards and assessments
- Update the education workforce
  - Increased use of online professional development
  - Build a larger cadre of instructional technology facilitators
- Determine and create resources and services required for success and sustainability
- Establish funding approaches that optimize complimentary uses of local, state, federal, and private sector investments
- Develop policy recommendations that enable transformational change required for 21st century schools

What’s Underway

- Supporting the pilot schools
- Developing an approach to CIPA regulations that allows access to educational tools and resources
- Ongoing evaluation
- Additional professional development
- Continuing to build the NC 1:1 Learning Collaborative web resources
- Technology engineering support service
- Creating a Redesigned High School 2.0 model
- Planning for a large scale statewide initiative

Federal Stimulus Package

- Updating schools and educational technology are central to Obama administration initiatives
- Current version provides for:
  - $14 billion for school construction/renovation that can include technology updates
  - $1 billion for education technology, funded through Title IID E2T2 (in addition to existing $260 million per year)
- Could bring approximately $42 million to NC over 2 years
- 50% distributed by Title I formula, 50% by competitive grants

Questions and Comments?

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