

# Strategy Guidance for use of funds under The American Recovery and Reinvestment Act of 2009



Strategy Number 13  
Technology Tools

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## Statement of need:

Students' preparation for the 21<sup>st</sup> century and post secondary involves classrooms equipped with appropriate information and communication technology to access, manage, integrate, evaluate, and create information in order to function in a knowledge society. The goals for technology tools include:

- Integration of technology into the curricula and instruction in all schools to enhance teaching and learning.
- To help ensure that students and teachers in high poverty, high-need schools have access to educational technology comparable to that of students and teachers in other schools.
- To provide professional development opportunities for teachers, principals, and school administrators to develop capacity to effectively integrate technology into teaching and learning.
- Ensure all students meet the state technology literacy standards by the end of the eighth grade.

## Proposed areas for implementation:

- Hardware
  - Mobile cart of laptop computers for classrooms
  - Digital cameras
  - Document cameras
  - Projection devices that enable classroom viewing of computer signal
  - Scientific probes and microscopes
  - Hand-held touch screen devices
  - Personal response system/clicker technology
  - Interactive white boards
- Software
  - Productivity suite – word processing, spreadsheet and presentation
  - Concept mapping programs for visual organization of information
  - Content-specific visualization and simulation
  - Digital communication programs for audio, video and publications
  - Graphic programs – painting, drawing, and photography
  - Global Positioning System (GPS) mapping and tracking
  - Virtual manipulatives and labs
- Technology integration into instruction
  - Provide professional development for teachers and school administrators on:
    - how to effectively use technology as tool in the classroom. <http://etc.usf.edu/fde/>
    - how to improve instruction in math and science. <http://flpromise.org/>
    - how to display and interpret student data to evaluate and inform differentiated instruction/intervention (Problem-solving/Response to Intervention Skills).
- Appropriate accommodations and assistive technology
  - Students with disabilities can use a variety of accommodations and assistive technology tools, depending on their challenge. <http://www.paec.org/fdlrstech/>

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**Funding Sources:**

- Title I
- Title II D
- Title II A
- IDEA
- SFSF