

## Technology Integration Plan Process

This sample implementation plan will contribute to integrating technology with teaching, learning, leading, and serving.

1. Seek administrator approval prior to initiating the plan outlined below.
2. Review technology standards for teachers, students, and administrators (see technology standards produced by the International Society for Technology Educators (ISTE)).
3. Determine existing conditions related to the degree to which stakeholders have achieved the standards.
4. Review standards related to an effective technology plan.
  - district technology mission and vision
  - technology access
  - connectivity
  - policies, standards, and procedures
  - resources to support the system and build capacity
  - assessment of effectiveness/accountability
  - professional development
5. Determine existing conditions related to seven components of an effective technology plan.
6. Determine strengths and needs related to items two and four above and make needed or desired changes.
7. Review 21st Century Student Outcomes (see Partnership for 21<sup>st</sup> Century Skills Framework).
8. Review the current curriculum structure and curriculum delivery to determine existing efforts to integrate the 21st Century Student Outcomes with the current curriculum structure.
9. Review the data collected from items 1-9, create action plans, and seek administrator approval of this technology initiative prior to initiating any further actions. A technology integration plan would be integrated with other district initiatives to assure continuity your strategic plan.
10. Integrate 21st Century Student Outcomes with the current content curriculum. (Note: This outcome may require professional development prior to achieving this step.)
11. Create a professional development plan for teachers, administrators, and classified staff.
12. Identify a cadre of teacher leaders and administrators who will be involved in the first wave of technology professional development. Implementation would be expected in their educational contexts. Provide technology professional development opportunities and support for teacher leaders and administrators.
13. Provide technology professional development opportunities and support to target teacher groups and implement a plan to monitor and support teachers during implementation.
14. Continue to provide technology professional development opportunities to other target teacher and administrative groups.
15. Provide technology professional development opportunities for classified staff employees (e.g., technicians, paraprofessionals, clerical, etc.)
16. Integrate technology with instruction in content areas and explicitly teach technology competencies and other 21st Century Skills.
17. Measure and celebrate incremental progress of students, teachers, administrators, and classified support staff.
18. Continue providing technology professional development opportunities to stakeholders.
19. Continue to implement aspects of the technology plan including the following:
  - district technology mission and vision
  - technology access
  - connectivity
  - policies, standards, and procedures
  - resources to support the system and build capacity
  - assessment of effectiveness/accountability
  - professional development

## **21st Century Student Outcomes**

The elements described in this section as “21st century student outcomes” are the skills, knowledge and expertise students should master to succeed in work and life in the 21st century.

### **Core Subjects and 21st Century Themes**

Mastery of **core subjects and 21st century themes** is essential for students in the 21st century. Core subjects include English, reading or language arts, world languages, arts, mathematics, economics, science, geography, history, government and civics.

We believe schools must move beyond a focus on basic competency in core subjects to promoting understanding of academic content at much higher levels by weaving **21st century interdisciplinary themes** into core subjects:

- Global Awareness
- Financial, Economic, Business and Entrepreneurial Literacy
- Civic Literacy
- Health Literacy

### **Learning and Innovation Skills**

Learning and innovation skills are what separate students who are prepared for increasingly complex life and work environments in the 21st century and those who are not. They include:

- Creativity and Innovation
- Critical Thinking and Problem Solving
- Communication and Collaboration

### **Information, Media and Technology Skills**

People in the 21st century live in a technology and media-driven environment, marked by access to an abundance of information, rapid changes in technology tools and the ability to collaborate and make individual contributions on an unprecedented scale. To be effective in the 21st century, citizens and workers must be able to exhibit a range of functional and critical thinking skills, such as:

- Information Literacy
- Media Literacy
- ICT (Information, Communications and Technology) Literacy

### **Life and Career Skills**

Today’s life and work environments require far more than thinking skills and content knowledge. The ability to navigate the complex life and work environments in the globally competitive information age requires students to pay rigorous attention to developing adequate life and career skills, such as:

- Flexibility and Adaptability
- Initiative and Self-Direction
- Social and Cross-Cultural Skills
- Productivity and Accountability
- Leadership and Responsibility

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