

BOARD OF EDUCATION  
COMMUNITY CONSOLIDATED SCHOOL DISTRICT 64

COMMITTEE-OF-THE-WHOLE:

21<sup>st</sup> CENTURY LEARNING

MONDAY, JANUARY 23, 2012  
6:30 P.M. – 7:30 P.M.

JEFFERSON SCHOOL  
8200 GREENDALE AVENUE, NILES

**AGENDA**

1. CALL TO ORDER AND ROLL CALL
2. 21<sup>ST</sup> CENTURY LEARNING
3. PUBLIC COMMENTS
4. ADJOURNMENT

# 21<sup>ST</sup> CENTURY LEARNING

District 64 Park Ridge-Niles

Presented by  
Diane Betts & Terri Bresnahan

## WHY FOCUS ON 21<sup>ST</sup> CENTURY LEARNING?

*The current and future health of America's  
21<sup>st</sup> century economy depends directly on  
how broadly and deeply Americans reach a  
new level of literacy - "21<sup>st</sup> Century  
Literacy" - that includes strong academic  
skills, thinking, reasoning, teamwork skills,  
and proficiency in using technology.*

21<sup>st</sup> Century Workforce Commission National Alliance of Business

## WHAT IS 21<sup>ST</sup> CENTURY LEARNING?

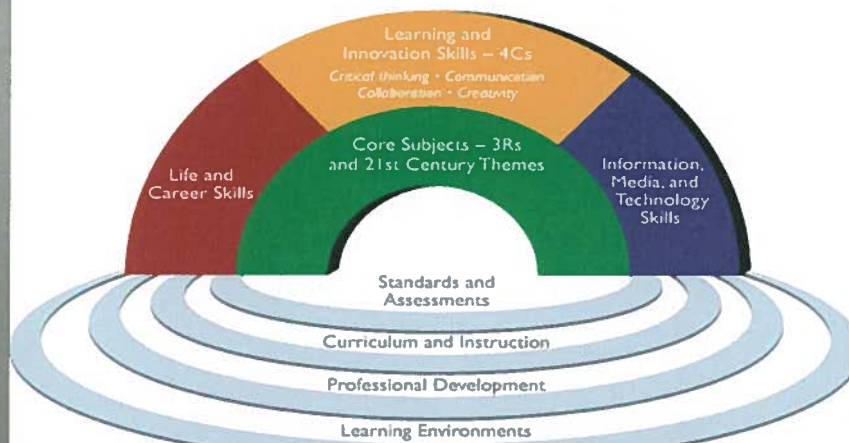
- Involves **active, engaged learning** that prepares students to successfully face a rapidly changing and complex world.
- Develops students who are able to **access, evaluate, synthesize and communicate** large amounts of rapidly changing information that is required to **solve problems and create new knowledge** in a global world.

## WHAT IS 21<sup>ST</sup> CENTURY LEARNING?

- Focuses **on critical thinking, problem solving, creativity, innovation, communication and collaboration.**
- Based on the belief that **knowledge** does not and cannot reside in any one individual, text, object or tool.
- Not just focused on workplace readiness – 21<sup>st</sup> century learning will enable individuals to experience more satisfying **personal lives**, more engaged **civic lives** as well as more productive **professional lives.**

# WHAT IS 21<sup>ST</sup> CENTURY LEARNING?

## 21<sup>st</sup> Century Student Outcomes and Support Systems



Partnership for 21<sup>st</sup> Century Learning

# 21<sup>ST</sup> CENTURY STUDENT OUTCOMES

**What does a 21<sup>st</sup> Century Learner have to know and be able to do?**



Partnership for 21<sup>st</sup> Century Learning

## CORE SUBJECTS & 21<sup>ST</sup> CENTURY THEMES

**The 21st century learner must develop mastery and **deep understanding** of knowledge and skills in core subjects:**

- Language Arts
- Math
- Science
- Social Studies/Economics
- World Languages
- Arts

## CORE SUBJECTS & 21<sup>ST</sup> CENTURY THEMES

**Schools must promote 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
- Environmental literacy

## LEARNING AND INNOVATION SKILLS

**The 21<sup>st</sup> century learner must develop competency in the  
4 C's:**

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

## INFORMATION, MEDIA AND TECHNOLOGY SKILLS

**The 21<sup>st</sup> century learner must be able to:**

- Access and evaluate information
- Use and manage information
- Analyze media
- Create media products
- Apply technology effectively using technology as a tool to research, organize, evaluate and communicate information
- Understand and apply the legal/ethical issues involved with access and use of technology

## LIFE AND CAREER SKILLS

### **The 21<sup>st</sup> century learner must develop:**

- Flexibility and adaptability (fostering resilience)
- Ability to effectively use feedback
- Initiative and self-direction (goal setting)
- Social and cross cultural skills (civil behavior)
- Productivity and accountability
- Leadership and responsibility to oneself and others

## NECESSARY SUPPORT SYSTEMS

### **What do we need to do to develop 21<sup>st</sup> Century Learners?**



## STANDARDS AND ASSESSMENTS

### THEN

- Rote memorization of facts



### NOW

- 21st century skills & content knowledge
- Deep understanding
- Active learning
- Multiple measures of mastery

- Shallow learning



- Passive learning



- Assessments driven by NCLB



## CURRICULUM AND INSTRUCTION

### THEN

- Time-based



### NOW

- Outcome-based
- Research-driven
- Collaborative
- Student-centered

- Textbook-driven



- Learning in isolation



- Teacher-centered



## PROFESSIONAL DEVELOPMENT

### THEN

- One-shot
- Out of context
- Independent
- No follow-up



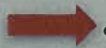
### NOW

- Long-term
- Job-embedded
- Learning communities
- Feedback and reflection

## LEARNING ENVIRONMENTS

### THEN

- “My students”
- Students work independently
- Limited accessibility to technology
- Limited within 4 walls



### NOW

- “Our students”
- Collaborative grouping within the classroom
- Equitable access to technology resources
- Extend learning beyond the classroom

## WHAT IS HAPPENING TO SUPPORT 21<sup>ST</sup> CENTURY LEARNING?

- National focus:
  - Partnership for 21<sup>st</sup> Century Skills
  - Common Core Standards
  - National curricular organizations (NETS, NCTM, etc.)
- Illinois' commitment to 21<sup>st</sup> century standards
- Maine Township Curriculum Articulation
- District 64 Strategic Plan
  - Strategic Plan purposefully designed to lay the foundation for developing 21<sup>st</sup> century learners

## COMMON CORE STANDARDS

- Reflect the changing nature of work, technology and competition in the **global job market**.
- Address both **content and the cognitive processes** and learning strategies students need to be successful learners and workers in the 21<sup>st</sup> century.
- Require deeper and more cognitively complex skills in **critical thinking, problem formulation**, as well as **problem solving, interpretation, communication, creative expression, research** and use of **technology**.
- Can be taught through the integration of **21<sup>st</sup> themes**.

## NATIONAL EDUCATION TECHNOLOGY STANDARDS

- For Students (NETS-S)
- For Teachers (NET-T)
- For Administrators (NETS-A)
- For Technology Coaches (NETS-TC)

*International Society for Technology in Education*

## NETS FOR STUDENTS

- Communication & Collaboration
- Creativity & Innovation
- Digital Citizenship
- Critical Thinking
- Research & Information
- Technology Operations

## NETS FOR TEACHERS

- Facilitate & Inspire Student Learning & Creativity
- Design & Develop Digital-Age Learning Experiences and Assessments
- Model Digital-Age Work & Learning
- Promote & Model Digital Citizenship & Responsibility
- Engage in Professional Growth & Leadership

## NETS FOR ADMINISTRATORS

- Visionary Leadership
- Digital-Age Learning Culture
- Excellence in Professional Practice
- Systematic Improvement
- Digital Citizenship

## NETS FOR TECH COACHES

- Visionary Leadership
- Teaching, Learning, & Assessments
- Digital-Age Learning Environments
- Professional Development & Program Evaluation
- Digital Citizenship
- Content Knowledge and Professional Growth

## 21<sup>ST</sup> CENTURY LEARNING IN DISTRICT 64

- What will 21<sup>st</sup> century learning look like in District 64?

### 4<sup>th</sup> Grade Language Arts Lesson:

After reviewing profiles at an entrepreneurial microfinancing site such as [www.kiva.org](http://www.kiva.org), students work in groups to research the economic and social impact of several proposals. Each group selects one proposal and creates a presentation to persuade classmates to choose that proposal. The class votes on the most persuasive proposal and creates an appropriate activity plan that might be used to raise the money to support the chosen proposal.

Partnership for 21<sup>st</sup> Century Learning

## 21<sup>ST</sup> CENTURY LEARNING IN DISTRICT 64

### COMMON CORE STANDARD

### 21<sup>ST</sup> CENTURY SKILLS

RI.4.3. Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.

W.4.9. Draw evidence from literary or informational texts to support analysis, reflection, and research.

SL.4.1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 4 topics and texts, building on others' ideas and expressing their own clearly.

- Financial Literacy
- Critical Thinking
- Collaboration
- Communication
- Information Literacy
- Creativity
- Global Awareness

## THINGS TO THINK ABOUT NEXT STEPS

- Implement Common Core Standards
- Establish minimum technology proficiency guidelines for teachers
- Evaluate current professional development practices
- Examine current roles and responsibilities to support this movement
- Articulate across strategies within the Strategic Plan with a focus on 21<sup>st</sup> century learning

## RESOURCES

- Common Core State Standards Initiative:  
<http://www.corestandards.org/>
- 21<sup>st</sup> Century Schools:  
<http://www.21stcenturyschools.com/>  
[What is 21st Century Education.htm](http://www.21stcenturyschools.com/What_is_21st_Century_Education.htm)
- International Society for Technology in Education (NETS):  
<http://www.iste.org/standards/nets-for-students.aspx>
- Partnership for 21<sup>st</sup> Century Learning: <http://p21.org/>