2012 WebWise Conference

TRADITION AND INNOVATION

Engaging 21st Century Learners

Institutional Vision to Practice

The Henry Ford & 21st Century Skills

Paula Gangopadhyay, Chief Learning Officer
Mission
The Henry Ford provides unique educational experiences based on authentic objects, stories, and lives from America’s traditions of ingenuity, resourcefulness, and innovation. Our purpose is to inspire people to learn from these traditions to help shape a better future.

Vision
The Henry Ford will be a nationally recognized destination and force for fueling the spirit of American innovation and inspiring a ‘can-do’ culture.

Vision 2020 ~ Strategic Plan Overview
21st Century Skills: IMLS Model

LEARNING AND INNOVATION SKILLS
- Critical Thinking and Problem Solving
- Creativity and Innovation
- Communication and Collaboration
- Visual Literacy
- Scientific and Numerical Literacy
- Cross-Disciplinary Thinking
- Basic Literacy

INFORMATION, MEDIA, & TECHNOLOGY SKILLS
- Information Literacy
- Media Literacy
- Information, Communications & Technology (ICT) Literacy

LIFE AND CAREER SKILLS
- Flexibility and Adaptability
- Initiative and Self-Direction
- Social and Cross-Cultural Skills
- Productivity and Accountability
- Leadership and Responsibility

21ST CENTURY THEMES
- Global Awareness
- Financial, Economic, Business, & Entrepreneurial Literacy
- Civic Literacy
- Health Literacy
- Environmental Literacy
How We Will Realize The Vision

The Henry Ford will lead collaborative educational initiatives to strengthen 21st century skills—creative problem-solving, cross-disciplinary thinking, self-direction, and civic and entrepreneurial literacy—through formal and informal learning opportunities on site, off site and virtual, by co-creating new educational resources and products.
What are the core 21st Century Skills?

The ‘4Cs’ proposed by
The Partnership for 21st Century Skills (P21)

For students to succeed in college and careers, they must be able to learn, apply and adapt in all subjects.

The indispensible 4Cs include:

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

Find more by going to: www.21stcenturyskills.org
The Need for 21st Century Skills in the United States

• The world is changing—¾ jobs are now in the service sector compared to the industrial economy of the past.

• The 21st Century ‘Service Economy’ is driven by Information, Technology and Innovation.

• We are at a threshold of a ‘tipping point’ in public education in USA because we have not retooled. We are not preparing our kids for college, careers and citizenship that is needed in the millennium.

MEET TRUE NEEDS
Primary Audiences

**Education**
Students, K-12, teachers, afterschool groups, scouts and higher education

**Leisure**
Tourists, residents, enthusiasts, families

**Business**
Entrepreneurs and business leaders interested in process of innovation
Who needs the 21st Century Skills?

K-12 Students

Teachers and Employees

Future Citizens and Workforce

Today’s Citizens and Workforce

IDENTIFY YOUR TARGET AUDIENCE
Implementation Questions

1. Who needs to ask for this change?

2. Who needs to adopt and implement the 21st Century Skills?

3. Where should this critical change occur?

COLLABORATE
How Are We Turning the Vision to Reality?

By taking a holistic and multi-layered approach

- New Cross-Disciplinary Educational Products
- Adoption and Evaluation (IEI)
- ‘Asking’ vs. ‘Telling’ Method
- Exhibits and Floor Experiences
- Special Events and Daily Visitor Experiences
- Staff and Teacher Training

When The Rubber Hits The Road
The Henry Ford and 21st Century Skills

We hold the key called INNOVATION that can help students and life-long learners acquire the 21st Century Skills.

The 4Cs ARE Traits of an Innovator

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

FIND THE INSTITUTIONAL NICHE CONNECTION
21st Century Teaching and Learning Tools

Interactive Teaching Tools

NEW! Innovation
Visionaries thinking out loud

NEW! Innovation 1'9'1

Downloadable DIGIKITS

Exhibit Builder

Henry Ford's Model T: By Suzie Smith

Henry Ford changed the world forever when he built the Model T in his buggy garage. Learn how his innovation changed the way we all live.

More text can go here. If the person who creates this exhibit has more to say, it can go here. More text can go here. If the person who creates this exhibit has more to say, it can go here.
How Are We Turning the Vision to Reality?

Special Events such as Maker Faire

Exhibit Interpretation and Floor Interactives
What can you do to develop an institutional vision and put it to practice?

1. Aim to acquire and use 21st century skills and tools in your workplace and help others who are afraid to try. *Practice what you preach.*

2. Gather knowledge about best practices, policy changes and aspire to learn from early adopters, the change makers and partners. *Be informed.*

3. Be proactive and creative. Think about ways you can seamlessly incorporate the 4Cs in your work with general visitors. *You don’t have to reinvent the wheel. It’s just a way of thinking. Be realistic and resourceful.*

4. Start small and scale your projects. Be open about continuous learning and tweaking. *You don’t have to conquer the world.*

5. Recognize that this revolution will need time and participation from many. It won’t happen quickly as it’s a systemic change. *But you have a role to play.*


7. Just do it! *Have fun!*

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