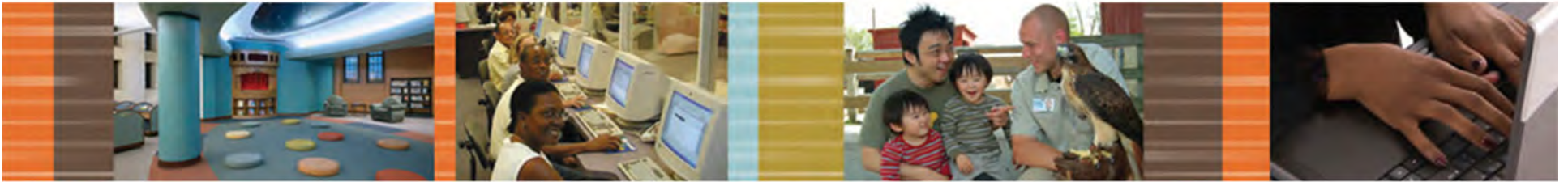


MUSEUMS, LIBRARIES, AND 21st Century Skills



Design in Action
October 10, 2011

Helen J. Wechsler, Senior Program Officer



What will the world be like...



What skills will they need...



What conditions made you REALLY learn...



Everyone knows learning must be serious and difficult and you must remain seated at all times. No fun allowed.



What would your institution be like if it were...

...designed around your answers to the first three questions?



21st Century Societal Shifts

	20TH CENTURY	21ST CENTURY
Number Jobs / Lifetime	1-2 jobs	10-15 jobs (US Department of Labor 2004)
Job Requirement	Mastery of one field	Simultaneous mastery of many rapidly changing fields
Job competition	Local	Global
Work Model	Routine; hands-on; fact based	Non-routine; technical; creative; interactive
Education Model	Institution centered; formal degree attainment is primary goal	Learner centered; self-directed, lifelong learning is primary goal
Organizational Culture	Top down	Multi-directional (bottom-up, top down, side to side, etc.)



Shifting Jobs and New Skills

The Washington Post

The new-economy dilemma: Lots of jobs, but few workers who fit

By Michael A. Fletcher, Wednesday, February 2, 2011

FRESNO - This city is grappling with one of the most troubling contradictions of the new economy: Even as it has one of the nation's highest unemployment rates, it has thousands of job openings.

The dilemma is becoming more common across the country as employers report increasing numbers of job openings. But many of those jobs are not a good fit for those who are out of work.

The reason, economists say, is that the recession accelerated the decline of some industries, such as housing construction, as others that require far different skills, including health care, emerged stronger.

Some economists predict that this disconnect is likely to grow as the economy develops jobs that require more training. President Obama, speaking last week in his State of the Union address, said the nation is facing a new "Sputnik moment" that demands a renewed focus on innovation and education to secure its economic future.

Evidence of a skills mismatch became increasingly clear in Fresno after the housing bubble burst, causing joblessness to nearly triple.



Who are our Stakeholders?

"I'm calling on our nation's governors and state education chiefs to develop standards and assessments that don't simply measure whether students can fill in a bubble on a test, but whether they possess 21st century skills like problem-solving and critical thinking and entrepreneurship and creativity."

—President Barack Obama
March 10, 2009

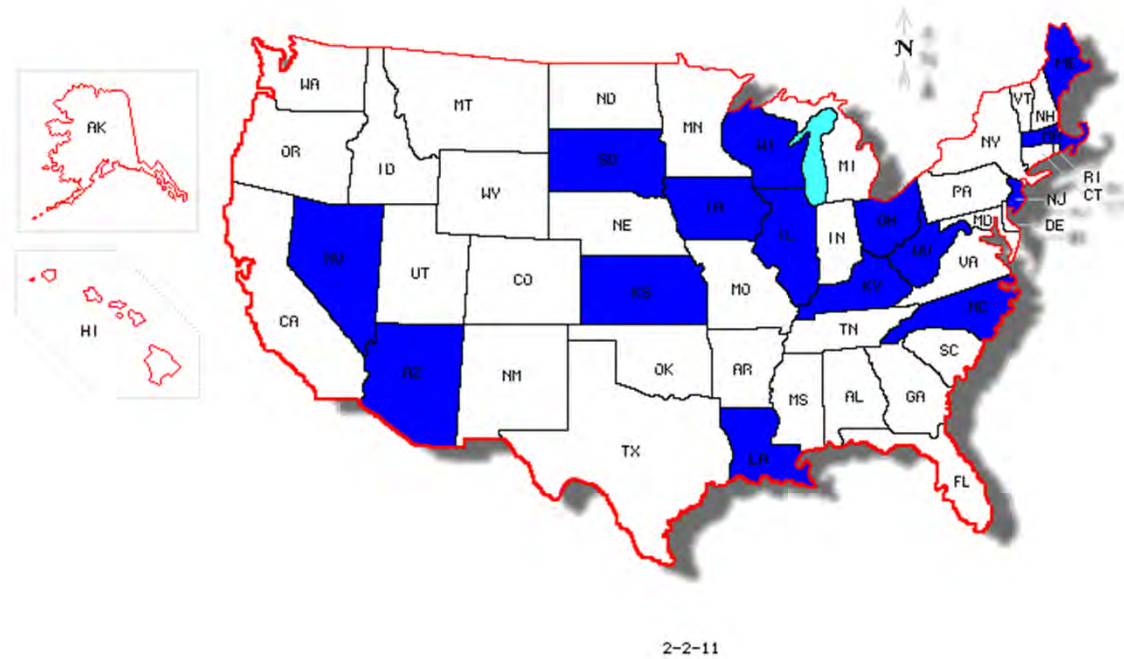


P21 Leadership Council



The Landscape

Arizona
Illinois
Iowa
Kansas
Kentucky
Louisiana
Maine
Massachusetts
Nevada
New Jersey
North Carolina
Ohio
South Dakota
South Carolina
West Virginia
Wisconsin



21st Century Skills

- Creativity
- Collaboration
- Communication
- Critical Thinking

The “4 Cs”

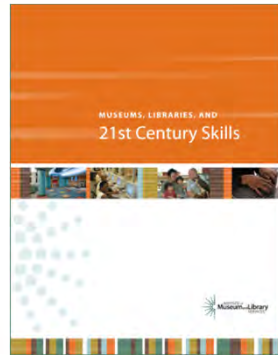


21st Century Themes

- Global awareness
- Financial, economic, business, and entrepreneurial literacy
- Civic literacy
- Health literacy
- Environmental literacy



Support Museums



- *Museums, Libraries, and 21st Century Skills Report*



- Self-Assessment Tool



- Online Self-Assessment Tool:
www.imls21stcenturyskills.org



Community Learning Scan



21st Century Skills	Our community needs this skill	Our target audience(s) need this skill	This skill is relevant to our current mission	This skill is relevant to our future vision/mission	Organizations and others who are focused on this skill
Critical Thinking and Problem Solving	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Creativity and Innovation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Communication and Collaboration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Visual Literacy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scientific and Numerical Literacy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cross-Disciplinary Thinking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Basic Literacy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Information, Media, and Technology Skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Life and Career Skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Global Awareness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Financial, Economic, Business, and Entrepreneurial Literacy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Civic Literacy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Health Literacy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Environmental Literacy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



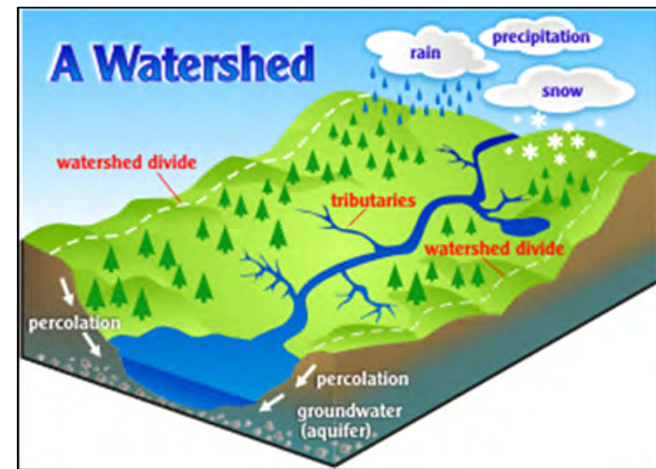
Columbus Museum of Art

- Center for Creativity
- Summit to create a statewide conversation about 21st century learning



San Angelo Museum of Art

- Interdisciplinary program of art and science focused on water conservation and environmental science for middle school students
- In partnership with the school district and the Upper Colorado River Authority



Maker Faires

Maker Faire®

New York, Sept. 17 & 18

New York Hall of Science
Saturday - 10am to 7pm • Sunday - 10am to 6pm

Attend

Schedule

Makers

Sponsors

Media

Maker Faire®

Detroit, July 30 & 31

The Henry Ford
Saturday 9:30am - 6pm • Sunday 9:30am - 6pm

Attend

Makers

Program

Sponsors

Media



IMLS-MacArthur Foundation Partnership Learning Labs

- National grant competition to fund the creation of up to 30 learning labs in libraries and museums across the country.



- Based on Chicago Public Library's YOUmedia Center.



Assessment



MEASURING CREATIVITY

IMPACT:
is how the work affects the thinking and lives of the creator of the work and or others.

ORIGINALITY:
is something that is new and unique.

Definition of Creativity:
Creativity is the valued uses and outcomes of originality driven by imagination, invention, and curiosity.



Your Challenge



Presidential Proclamation -- National Arts and Humanities Month,
2011

NATIONAL ARTS AND HUMANITIES MONTH, 2011

BY THE PRESIDENT OF THE UNITED STATES OF AMERICA
A PROCLAMATION

"We must recognize the contributions of the arts and humanities not only by supporting the artists of today, but also by giving opportunities to the creative thinkers of tomorrow. Educators across our country are opening young minds, fostering innovation, and developing imaginations through arts education. Through their work, they are empowering our Nation's students with the ability to meet the challenges of a global marketplace."



IMLS Welcomes Proposals

- National Leadership Grants
- Museums for America
- 21st Century Museum Professional

www.imls.gov



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