

TEdLeader 21

21st Century Education for Leaders

Building Bridges Conference Breakout – 9:15-11:30 a.m. November 12, 2012

Ken Kay, CEO, EdLeader21

- What is 21st century education?
- Worksheet #1
- What are the 7 Steps for Implementation?
- Worksheet #2
- What can leaders do?
- Conclusion: Reflections on 21st century education



What is 21st century education?



THE 4CS EDUCATIONAL OUTCOMES





Q. Why is this becoming relevant for almost everyone?

A. The Common Core.

AP exam redesign for history



Take a look at this college-level U.S. history question

2006 AP USH Released Exam Question

Which of the following achievements of the "carpetbag" governments survived the "Redeemer" administrations?

- A. Participation by both Whites and African Americans in local government
- B. Establishment of a public school system
- C. Election of African American majorities in state legislatures
- D. Establishment of a vigorous Republican Party in the South
- E. Opening of public facilities to African Americans



Now examine this college-level U.S. history question

Proposed AP USH Question

By the early twentieth century, the United States had emerged as a world power. Historians have proposed various dates for the beginning of this process, including the three listed below. Choose one of the three dates below or choose one of your own, and write a paragraph explaining why this date best marks the beginning of the United States' emergence as a world power. Write a second paragraph explaining why you did not choose the other dates. Support your argument with appropriate evidence.

1898 (Spanish-American War)

1917 (Entry into the First World War)

1941 (Entry into the Second World War)



How do we transform our schools and districts to teach "question #2" education?

The Common Core is a strong platform to begin 21st century education. Is it enough?

Likely to be covered effectively by the Common Core

Not likely to be adequately addressed by the Common Core

- Critical thinking
- Problem Solving
- Communication Skills

- Collaboration
- Creativity
- Global Competence
- Financial Literacy
- Self-Direction
- Tech Literacy



Worksheet #1

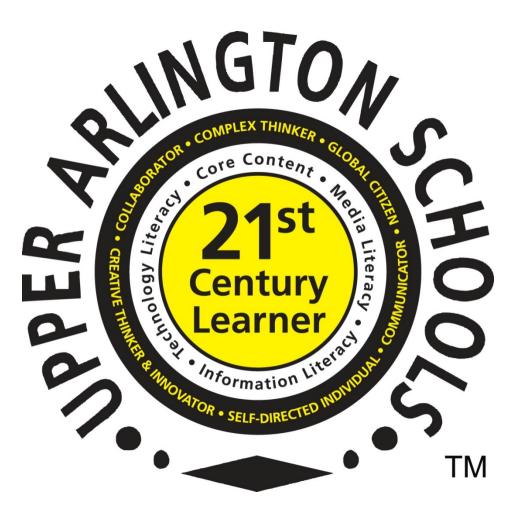


What are the 7 steps for implementation?





Leading examples



Upper Arlington City School District

(Upper Arlington, Ohio)

www.uaschools.org



2

Create a Community Consensus

Step 2: Create a community consensus

- Design an appropriate process.
- Have your board make the new framework official policy.



Leading examples





Leading examples

Virginia Beach City Public Schools Compass to 2015



Critical and Creative Thinkers, Innovators, and Problem Solvers

Critical Thinking ◆ Creative/Innovative Thinking ◆ Problem Solving



Effective Communicators and Collaborators

Information Literacy • Listening • Collaboration • Communication



Globally Aware, Independent, Responsible Learners and Citizens

Social Responsibility • Sustainability • Interdependence • Health Literacy



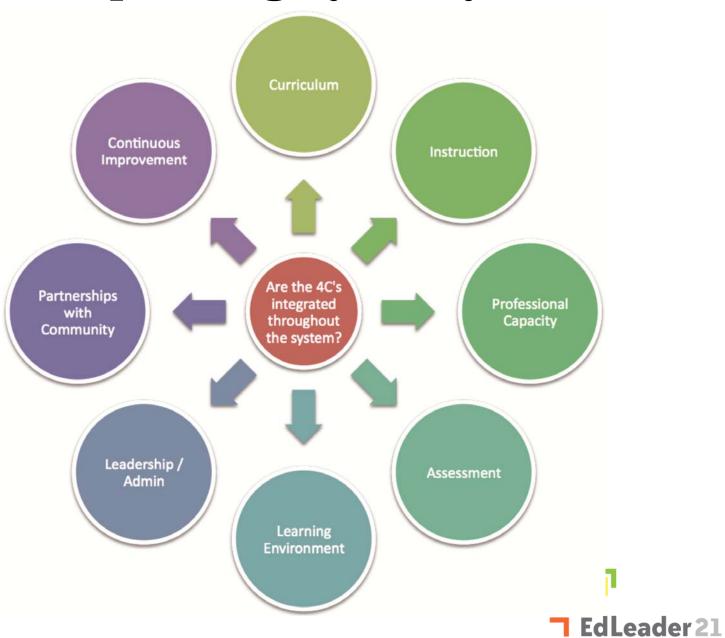


Step 3: Align your system

- Focus alignment throughout the system;
- Use the MILE Guide;



Step 3: Align your system



Step 3: Align your system

Partr	nership for 21st Century Skills - MILE Guide Self As	sessment Survey - Mozilla Firefox	P	X
Eile Edit View History Bookmarks Tools Help				
Partnership for 21st Century +				
(+)	http://www. p21.org /mileguide/index.php?option=com_wufoo&view=wu	foo&id=8715&form_id=1 ☆ degree State abb collaborative belmont ma	<i>P</i> 1	m
2	PARTNERSHIP FOR 21st Century Skills			
	Early Transitional 21st Century			
Student Knowledge and Skills		Show recommendation		
Education Support Systems		Show recommendation		
Education Leadership		Hide recommendation		
	Your school/district is "Early" in its approach to education leadership. This means that, in general, education leaders promote and support core subject fact mastery as the vision for student success.			
	NEXT STEPS : Use these findings to build consensus among educator leaders around a broader vision for 21st century student outcomes. Review the full P21 MILE Guide (<u>available here</u>) to develop a more comprehensive approach to education leadership.			
Policy Making		Showrecommendation		
Partnering		Show recommendation		
Continuous Improvemen		Hide recommendation		
	Congratulations! Your school/district is "21st Century" in its approach to continuous improvement. This means that, in general, the district is measuring and tracking a robust 21st century skills initiative and is committed to refining its work over time.			
	NEXT STEPS: Share these findings with school/district leaders, stakeholders and partners. Review the full P2f MILE Guide (available here) to deepen your understanding of continuous improvement and 21st century skills. Commit to a regular review and self-assessment to strengthen your work over time.			

www.p21.org/mileguide





Build Professional Capacity



Focus on Critical Thinking

- Example: Upper Arlington focus on critical thinking.
- Example: Center for Authentic Intellectual Work

(www.centerforaiw.com)





Focus Your Curriculum and Assessment



Step 5: Focus on Curriculum

• Example: Focus on performance tasks. North Salem School District performance tasks for creative problem solving.

21st Century Problem Solving Task (PST)

NORTH SALEM CENTRAL SCHOOL DISTRICT SCIENCE

5/16/11

Course(s): Middle School Science

Teacher(s): Hugh Main

NY Science, Technology, Math, Education Learning Standards:

Standard 1: Analysis, Inquiry, and Design

Students will use mathematical analysis, scientific inquiry, and engineering design, as appropriate, to pose questions, seek answers, and develop solutions.

Standard 4: Science

Students will understand and apply scientific concepts, principles, and theories pertaining to the physical setting and living environment and recognize the historical development of ideas in science.

Standard 5: Technology

Students will apply technological knowledge and skills to design, construct, use, and evaluate products and systems to satisfy human and environmental needs.

NY English/Language Arts Learning Standards:

Standard 1: Language for Information and Understanding

Students will listen, speak, read, and write for information and understanding. As listeners and readers, students will collect data, facts, and ideas; discover relationships, concepts, and generalizations; and use knowledge generated from oral, written, and electronically

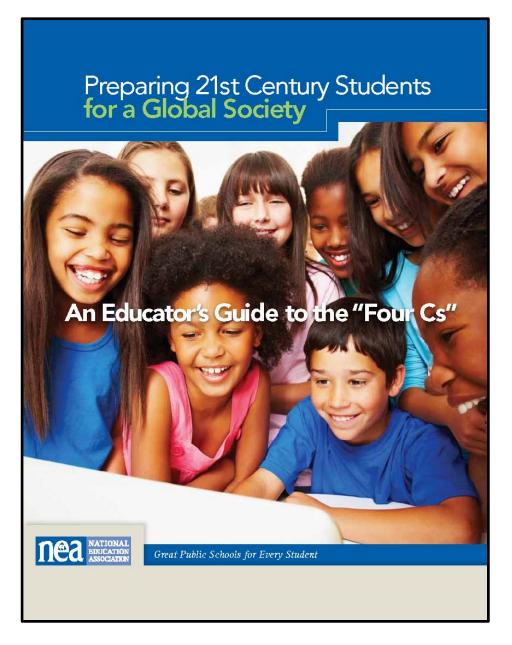


6 Support Your Teachers



Step 6: Use the 4Cs to Support Teachers

- Engage your teachers. (Example: "Preparing 21st Century Students for a Global Society: An Educator's Guide to the 4C's")
- Focus on "student work" (e.g. collecting and sharing exemplary work) Example: Expeditionary Learning (www.elschools.org)



Share with your teachers this 4Cs Guide for Educators.

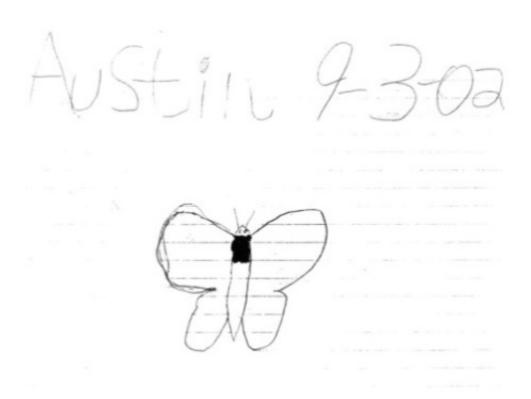
http://www.nea.org/tools/52217.htm





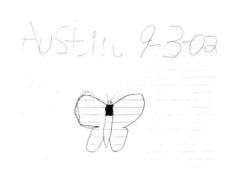




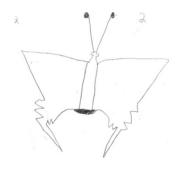




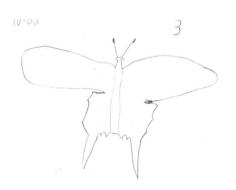
Assignment Photo



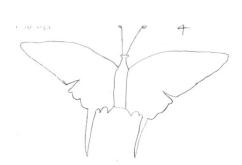
Draft 1



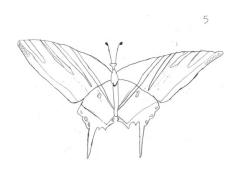
Draft 2



Draft 3



Draft 4



Draft 5



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Final (Draft 6)

www.youtube.com/watch?v=JFHf7jAfJlg



7 Improve and Innovate



Step 7: Continuously improve and innovate

- Use continuous improvement strategies.
- Create a continuous improvement culture (Example: High Tech High protocol at <u>http://tinyurl.com/HTH-TuningProtocol</u>)



Step 7: Improve and Innovate



"Project North Star"



Step 7: Improve and Innovate

High Tech High Project Tuning Protocol

Norms

- Hard on the content, soft on the people
- Be kind, helpful, and specific
- Share the air (or "step up, step back")

Protocol:

- 1. Overview (5 min): Presenter gives an *overview of the work* and explains what *goals* he/she had in mind when designing the project. It may be helpful for the presenter to put the project into the broader context of what is happening in his/her classroom or school. Participants then have an opportunity to *quietly look at "the work"* (e.g., project handout, student work, etc.). Finally, the presenter shares a dilemma by *framing a question* for the critical friends group to address during the discussion.
- **2. Clarifying Questions** (5 min): Critical friends ask *clarifying* questions of the presenter. Clarifying questions have brief, factual answers and are intended to help the person asking the question develop a deeper understanding of the dilemma. An example of a clarifying question is "How will groups be chosen for this activity?"
- **3. Probing Questions** (5 min): Critical friends ask *probing* questions of the presenter. Probing questions help the presenter expand his/her thinking about the dilemma.



What do the 4Cs Look Like in Districts?

The Four C's: Making 21st Century Education Happen

http://www.youtube.com/watch?v=ghx0vd1oEzM



What impressed you most about the video?

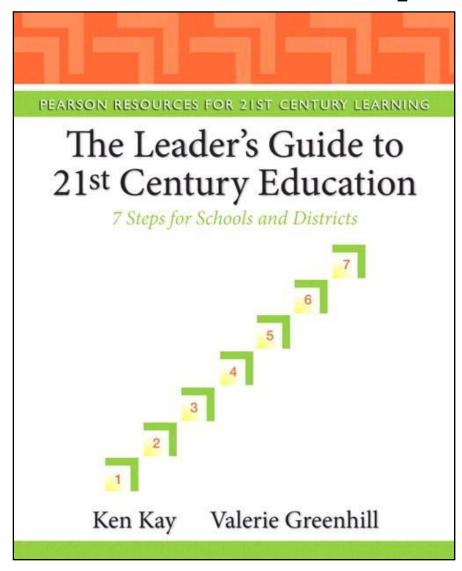
Worksheet #2



What can leaders do?



New Book on the 7 Steps



To order: http://tinyurl.com/EL21-7Steps



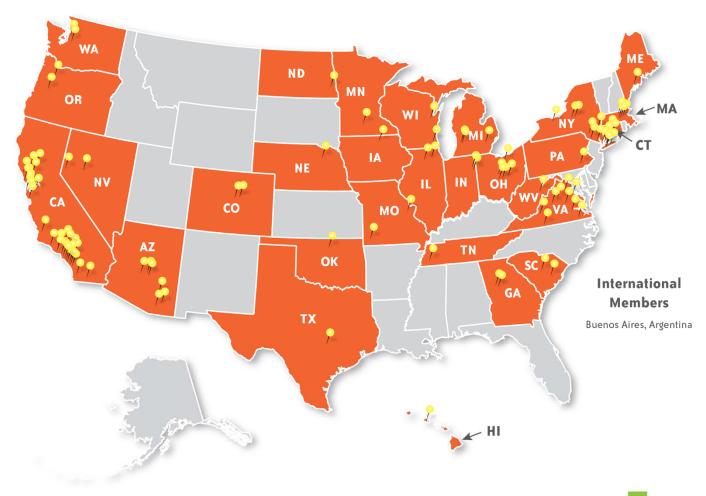


EdLeader 21

EdLeader21 is a professional learning community of superintendents and district leaders committed to 21st century education.



EdLeader21 has over 105 districts from 31 states and Argentina representing more than 2 million students.





EdLeader21 Features



Tools & Resources



Professional Development



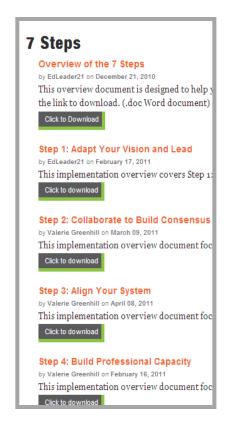
Innovative Projects

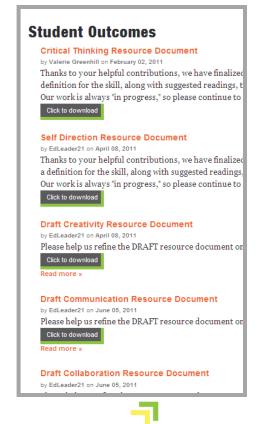
EdLeader21 Features: Tools and Resources



21st Century Education Implementation Support

Stakeholders Parent Outreach Toolkit by EdLeader21 on March 05, 2012 This toolkit is designed to support your o Click to download **Parent Outreach Powerpoint** by EdLeader21 on March 05, 2012 This Powerpoint is part of the Parent Out Click to download Student Outreach Toolkit by EdLeader21 on January 10, 2012 This toolkit is designed to support your o Click to download Policymaker Outreach Toolkit by EdLeader21 on December 13, 2011 This toolkit is designed to support your o Click to download **Community Outreach Toolkit** by EdLeader21 on October 04, 2011 The Community Outreach Toolkit will hel



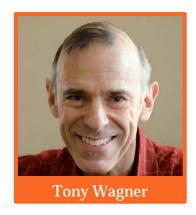




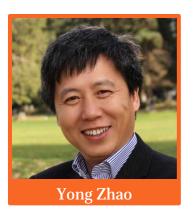
EdLeader21 Features: PD Webinars



















EdLeader21 Features: Networking





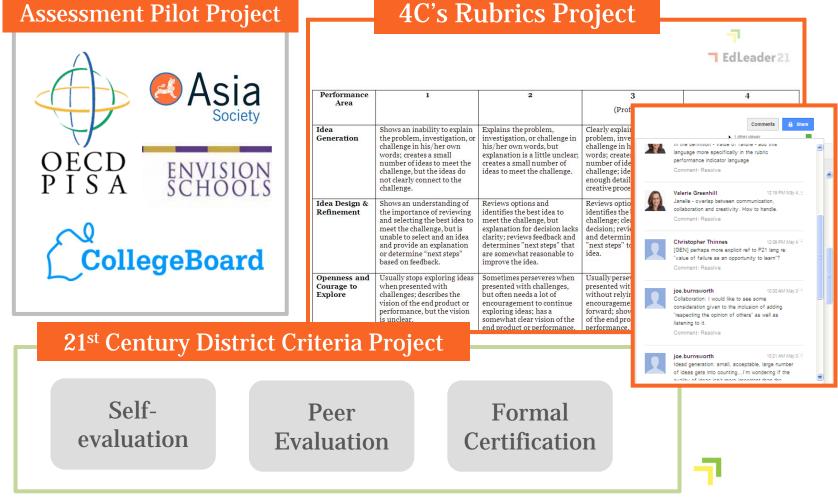






EdLeader21 Features: Projects





For more information about EdLeader21, please:

- 1. Check out our website (www.edleader21.com)
- 2. Request an application and pricing schedule.
- 3. Request a virtual tour of our collaborative website.

For more information, please contact: **Mary Buckley**

mbuckley@EdLeader21.com



Conclusion

Reflections on ten years of 21st century education:

- Outcomes
- Leadership
- Pedagogy
- Collaboration
- Continuous Improvement



Conclusion

We will never have 21st century education in this century if we don't support schools and districts in their efforts to implement 21st century education initiatives.



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