



EdLeader21

7 Steps to Becoming a 21st Century School

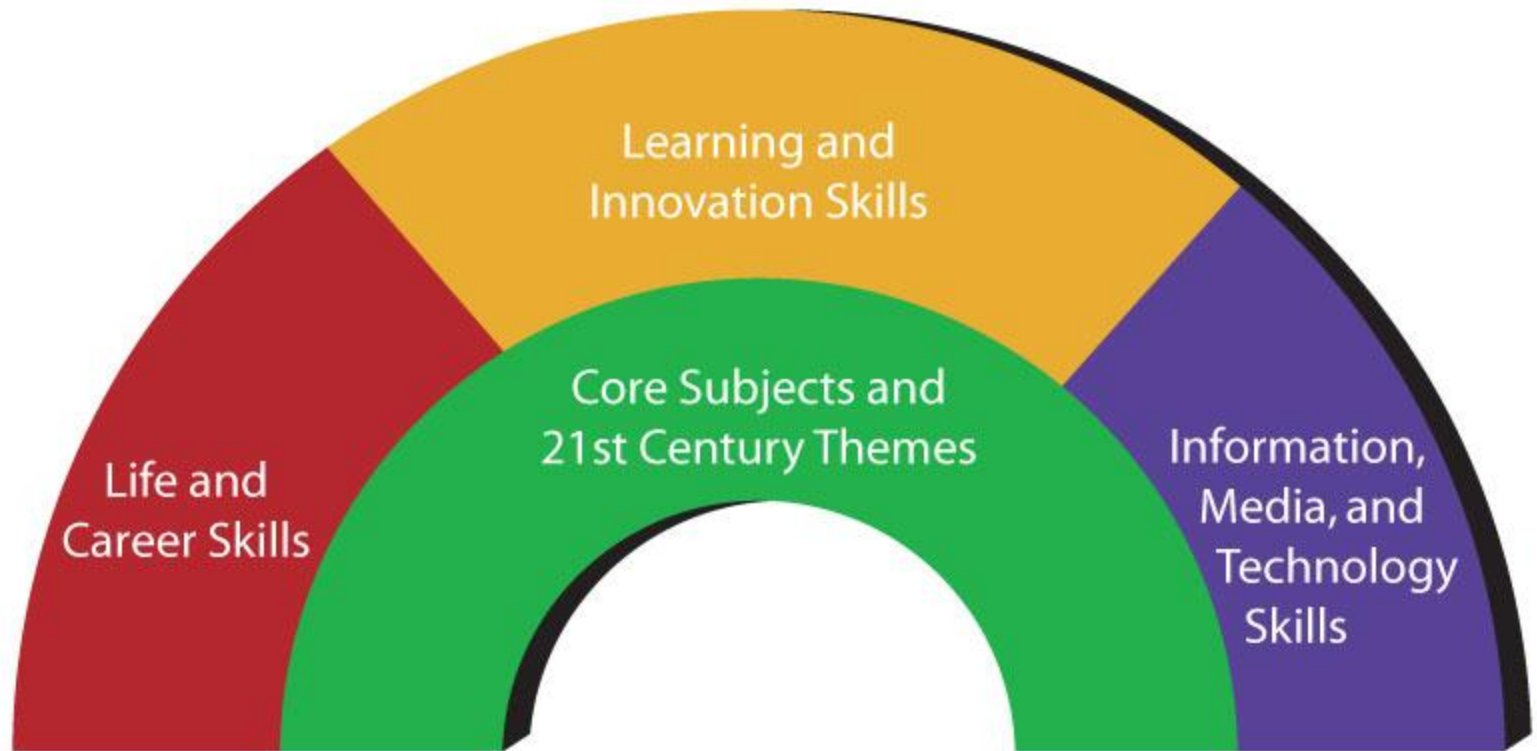
ESC of Central Ohio and Upper Arlington Schools
January 13, 2012

Ken Kay, CEO, EdLeader21

- What is 21st century education?
- How does 21st century education relate to current trends?
- What are the 7 Steps for Implementation?
- What is EdLeader21?

What is 21st century education?

The P21 Framework for 21st Century Learning



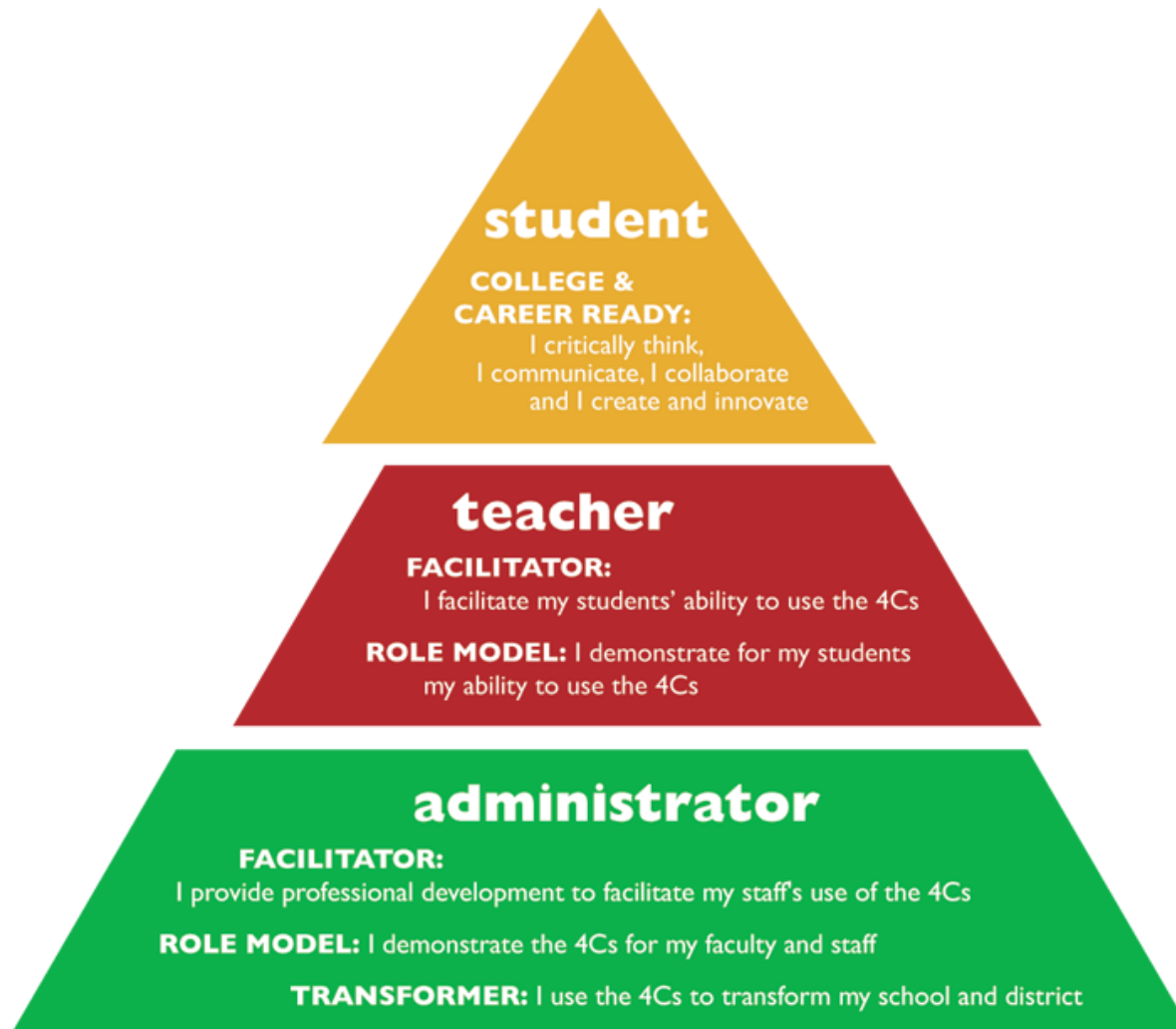
The 3Rs and the 4Cs



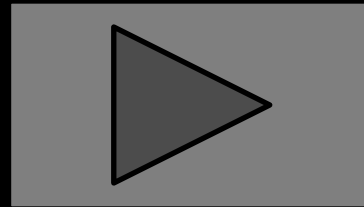
**Fusing
the 3Rs
with the
4Cs**

The 4Cs and 21st Century Education

(The 4Cs are Critical Thinking, Communication, Collaboration, & Creativity)



Role of Leaders in 21st Century Education



How does 21st century education
relate to current trends?



AP exam redesign for science



Take a look at this college-level biology question

The creeping horizontal and subterranean stems of ferns are referred to as

1. Prothalli
2. Fronds
3. Stipes
4. Roots
5. Rhizomes

Now examine this college-level biology question



The equation above shows a reversible reaction that occurs in blood. An Olympic marathoner training at high altitude in Colorado feels dizzy and begins hyperventilating while taking a run. Her blood pH is elevated, resulting in alkalosis. How will normal blood pH be restored?

1. An increase in O_2 concentration in the plasma will lead to a decrease in H^+ concentration
2. An increase in CO_2 concentration in the plasma will lead to an increase in H^+ concentration
3. A decrease in sweating will lead to an increase in HCO_3 concentration
4. A decrease in respiration will lead to an increase in plasma O_2 concentration

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)

The Decade of Critical Thinking and Problem Solving

- Common Core
- AP
- PISA



What are the 7 steps for implementation?



THE **7 Steps** FOR EDUCATION LEADERS



Step 1: Adopt a vision

Start with the 4C's

Leading examples



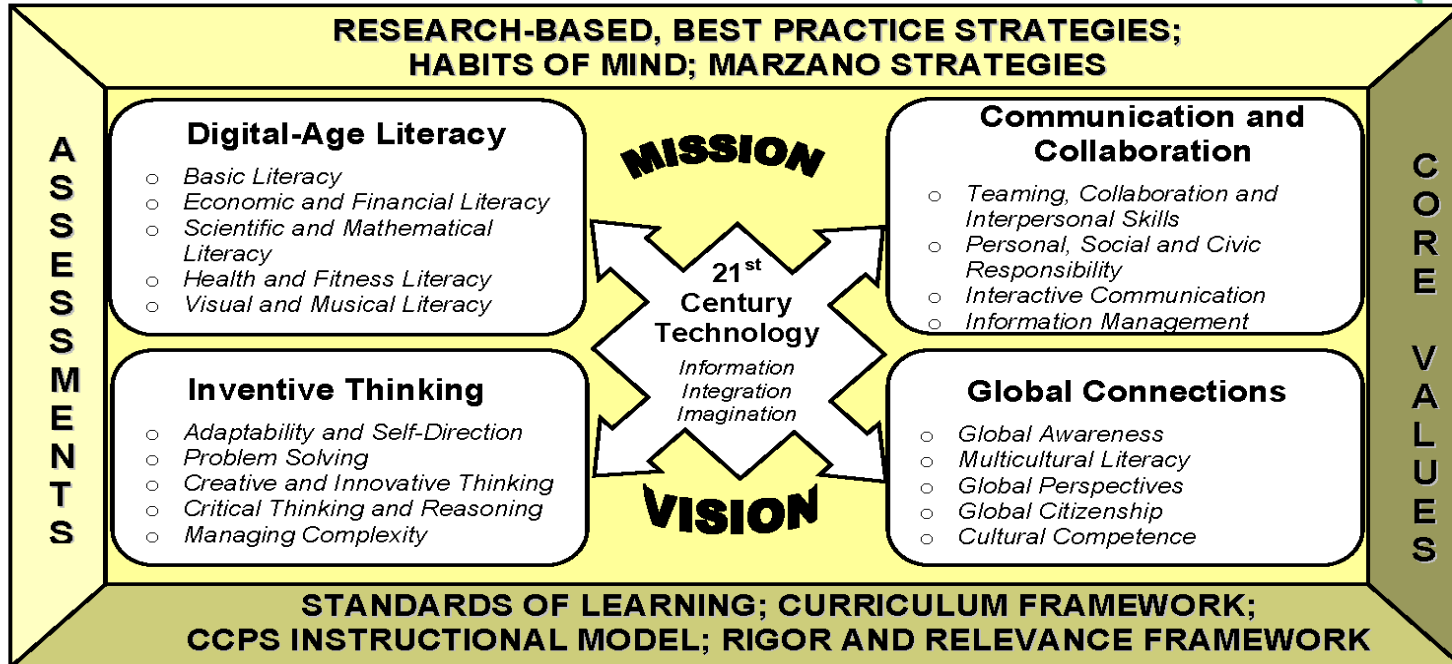
Upper Arlington
City School District
(Upper Arlington, Ohio)

www.uaschools.org

Leading examples



CHESTERFIELD COUNTY PUBLIC SCHOOLS 21ST CENTURY KNOWLEDGE AND SKILLS MODEL FOR SELF-DIRECTED LEARNERS



CCPS Mission Statement

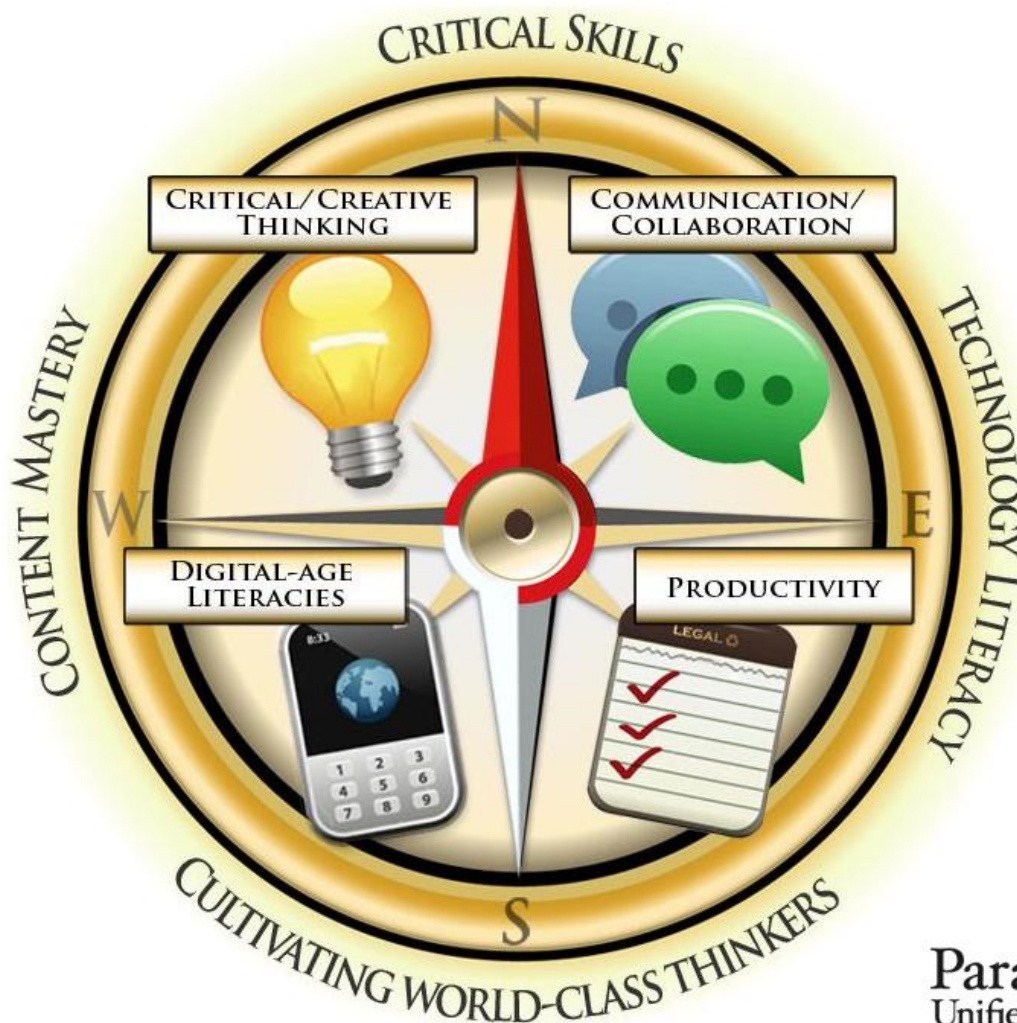
The mission of the CCPS is to work in partnership with students, families and the community to ensure that each student acquires the knowledge, skills and core values necessary to achieve personal success and to enrich the community.

CCPS Vision Statement

In 2012, we envision that every Chesterfield school will be a thriving, dynamic and inspiring educational environment that produces self-directed learners and stimulates citizens of all ages to trust in, invest in, and benefit from public education.

May 2009

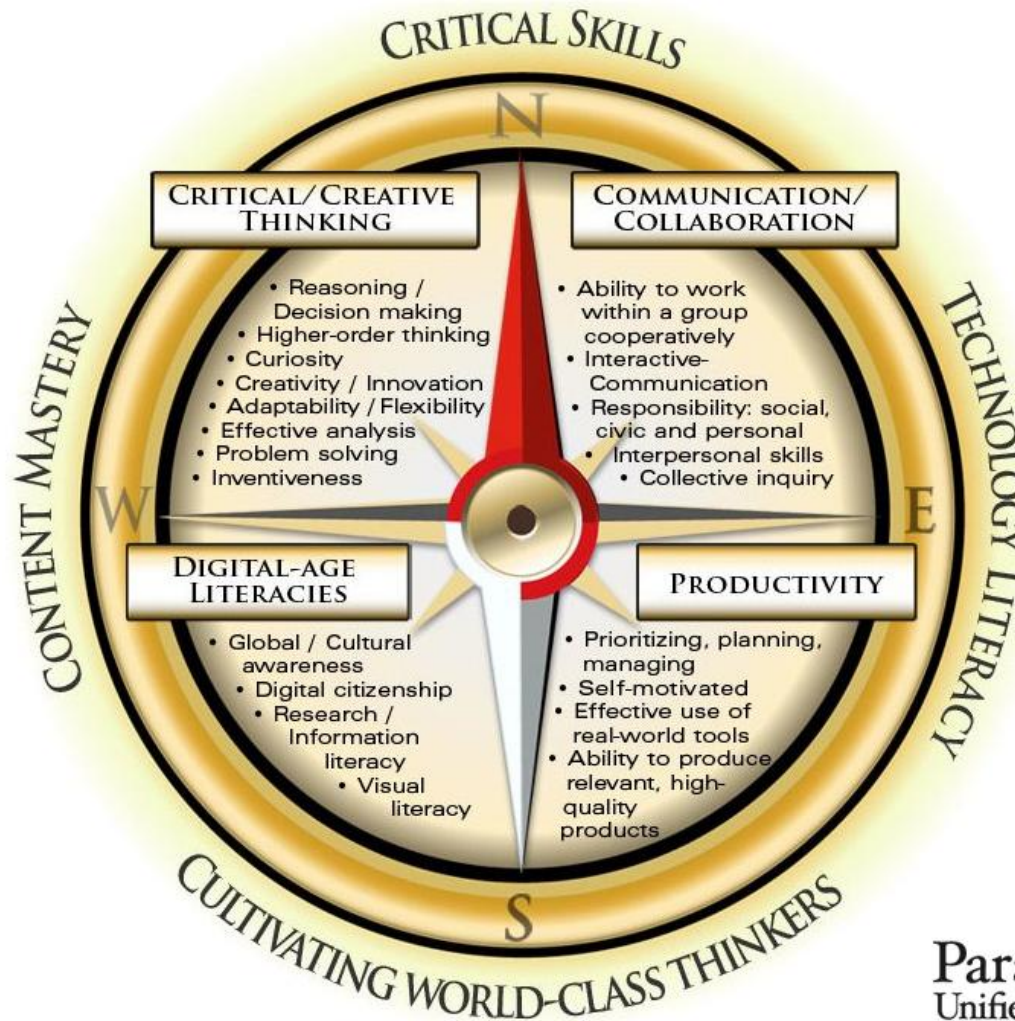
Leading examples



www.pvschools.net

Paradise Valley
Unified School District
Cultivating world-class thinkers

Leading examples



www.pvschools.net

Paradise Valley
Unified School District
Cultivating world-class thinkers

**Step 2:
Create community
consensus around the 4C's**

Step 2: Create a community consensus

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

Leading examples



www.cfsd16.org

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 2: Create a community consensus

Communicate effectively:

Use books and book groups

- *21st Century Skills: Learning for Life in Our Times*, by Bernie Trilling & Charles Fadel, (Jossey-Bass, 2009) www.josseybass.com
- *21st Century Skills: Rethinking How Students Learn*, edited by James Bellanca and Ron Brandt, foreword by Ken Kay (Solution Tree Press, 2010) www.solution-tree.com
- *The Global Achievement Gap*, by Tony Wagner, (Basic Books, 2008) www.basicbooks.com

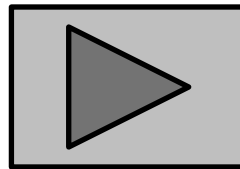


Step 2: Create a community consensus

Communicate effectively

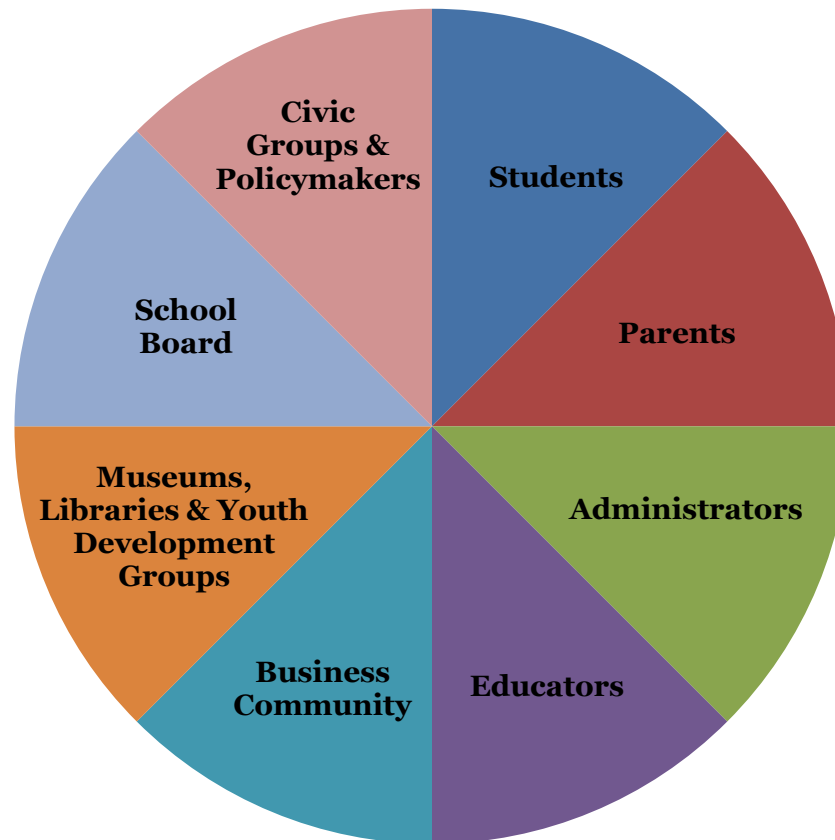


<http://www.p21.org/tools-and-resources>



Step 2: Create a community consensus

STAKEHOLDERS



Step 3: Align your system

- Integrate the whole system;
- Use the MILE Guide;
- Drive PD, curriculum and instruction and assessment toward your student outcomes.

Step 3: Align your system

PARTNERSHIP FOR 21ST CENTURY SKILLS

	Early	Transitional	21st Century	
Student Knowledge and Skills	██████████			Show recommendation
Education Support Systems		██████████		Show recommendation
Education Leadership	██████████			Hide recommendation
Policy Making			██████████	Show recommendation
Partnering	██████████			Show recommendation
Continuous Improvement			██████████	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 ([available here](#)) to develop a more comprehensive approach to education leadership.

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 P21 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



**Step 4:
Use the 4C's to Build
Professional Capacity
Around the 4C's**

Use the 4C's as the principles of your PD redesign

Does your PD challenge your educators to:

- Think critically and reflect deeply on their practice?
- Communicate and collaborate effectively?
- Bring creative and innovative practices to their classrooms?

Use the 4C's as the content of your PD

- Focus on critical thinking
- Example: Upper Arlington (OH)
- Example: Center for Authentic Intellectual Work
(www.centerforaiw.com)

Step 5: Embed the 4C's in Curriculum and Assessment

Step 5: Focus on Curriculum

- Focus on backwards design utilizing UbD
Example: Catalina Foothills, AZ
Example: North Salem CSD, NY
- Focus on “student work” (*e.g. collecting and sharing exemplary work*)
Example: Expeditionary Learning
(www.elschools.org)
- Focus on PBL (*www.bie.org*)

Step 5: Embed the 4C's into Curriculum & Assessment


Focus on Assessment:

- Benchmark assessments (*Example: PISA, CWRA-www.cae.org*)
- Rubrics (*Example: EdLeader21, www.edleader21.com*)
- Portfolios (*Example: Envision Schools, www.envisionschools.org*)
- Capstone Projects (*Example: Upper Arlington, OH*)
- Assessments for PBL (*New Tech Network, www.newtechnetwork.org*)



Step 5: Focus on Curriculum

Triton New Tech High School Hi, Kelly! [My Profile](#) [My Settings](#) [Google Apps](#) [Help](#) [Logout](#)



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Home > Courses > **US History** 1st Period (● 2nd term) | Mr. Spade

[Start](#) [Agendas](#) [Activities](#) [Project](#) [Discussions](#) [Resources](#) **[Grades](#)**

[« Back to Grades](#)



Amy Andrews

Current Grade

B+

89%

Content Literacy	90%
Written Comm.	87%
Oral Comm.	68%
Collaboration	75%
Work Ethic	80%
Critical Thinking	84%

Activities

Due Date ▼	Activity	Weighted Grade
12/1/2009	Weekly Quiz	B (86%)
11/28/2009	Weekly Essay	C (79%)
11/28/2009	Book Report	A (93%)
11/15/2009	Essay	D (71%)

Activities 1 - 4 of 30 |< First «Previous Next» Last >|


www.newtechnetwork.org/boldr



Step 6: Use the 4C's to Support Teachers

Step 6: Use the 4C's to Support Teachers

What does it look like in the classroom?

- Video 21  Video21
(www.p21.org/video21)
- Teach 21 (www.wvde.state.wv.us/teach21)
- Buck Institute for Education
(www.bie.org/videos)
- George Lucas Educational Foundation
(<http://www.edutopia.org/video>)

Step 6: Use the 4C's to Support Teachers

- Engage your teachers. (*Example: “Preparing Our Students for the 21st Century: An Educator’s Guide to the 4C’s” – 21stcenturyskills@nea.org*)
- Use instructional rounds
- Use 21st century teacher evaluation (*Example: Odyssey School, Denver, CO; www.odysseydenver.org*)

Step 7: Improve and Innovate

**Use the 4C's as an
Organizational Imperative**

Step 7: Improve and Innovate

The 4C's Agenda

Build the 4C's into instruction and assessment (steps 5 & 6)

student

COLLEGE & CAREER READY:
I critically think,
I communicate, I collaborate
and I create and innovate

The Culture of Continuous Improvement

- Students strive for continuous improvement
- Student engagement
- Student co-creation

Build the 4C's into PD and curriculum (steps 4 & 5)

teacher

FACILITATOR:
I facilitate my students' ability to use the 4Cs
ROLE MODEL: I demonstrate for my students
my ability to use the 4Cs

- Teachers strive for continuous improvement
- Professional development
- Human resources strategy

Build the 4C's into the organization (steps 2 & 7)

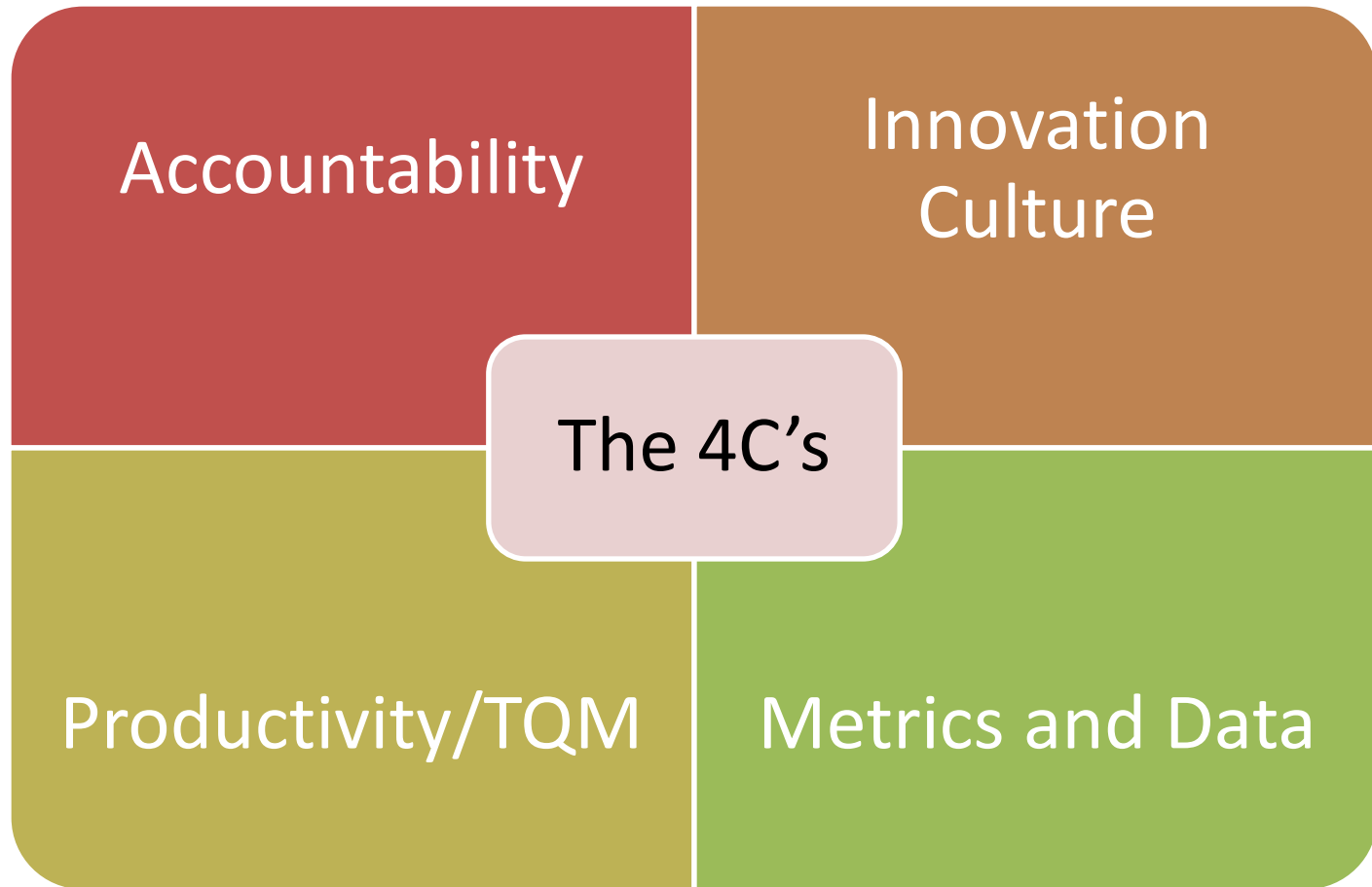
administrator

FACILITATOR:
I provide professional development to facilitate my staff's use of the 4Cs
ROLE MODEL: I demonstrate the 4Cs for my faculty and staff
TRANSFORMER: I use the 4Cs to transform my school and district

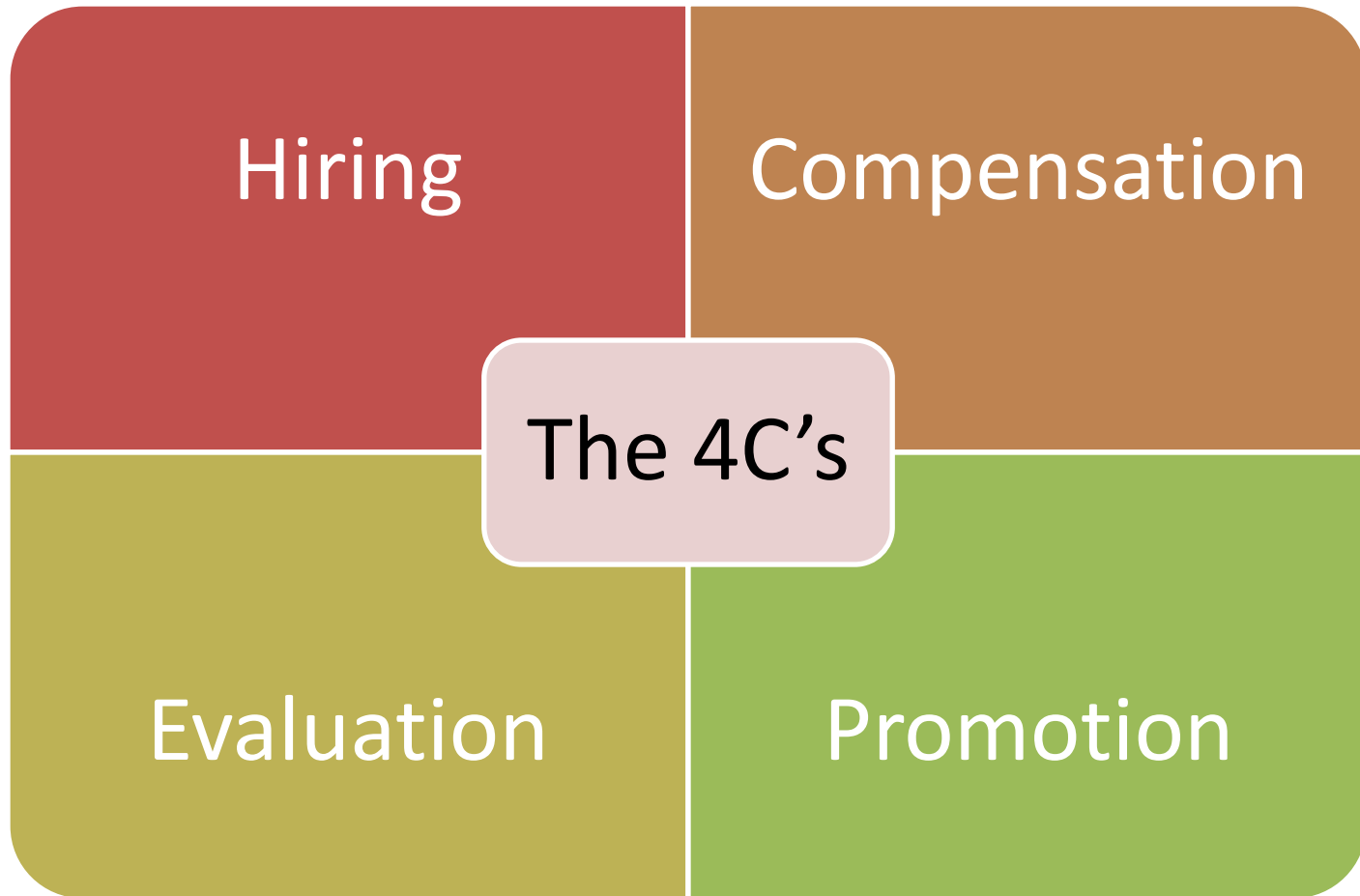
- Administrators strive for continuous improvement
- Strategic planning
- Accountability and data
- Leadership development
- Human resources strategy



Step 7: The 4C's and Continuous Improvement



Step 7: The 4C's and Human Resources



Step 7: Continuously improve and innovate

- Create a continuous improvement culture
- Create accountability for things that really matter (21st century accountability)
- Model innovation. (Example: *Creating Innovators: The Making of Young People Who Will Change the World*, by Tony Wagner, (Scribner/Simon & Schuster, 2012))

What is EdLeader21?



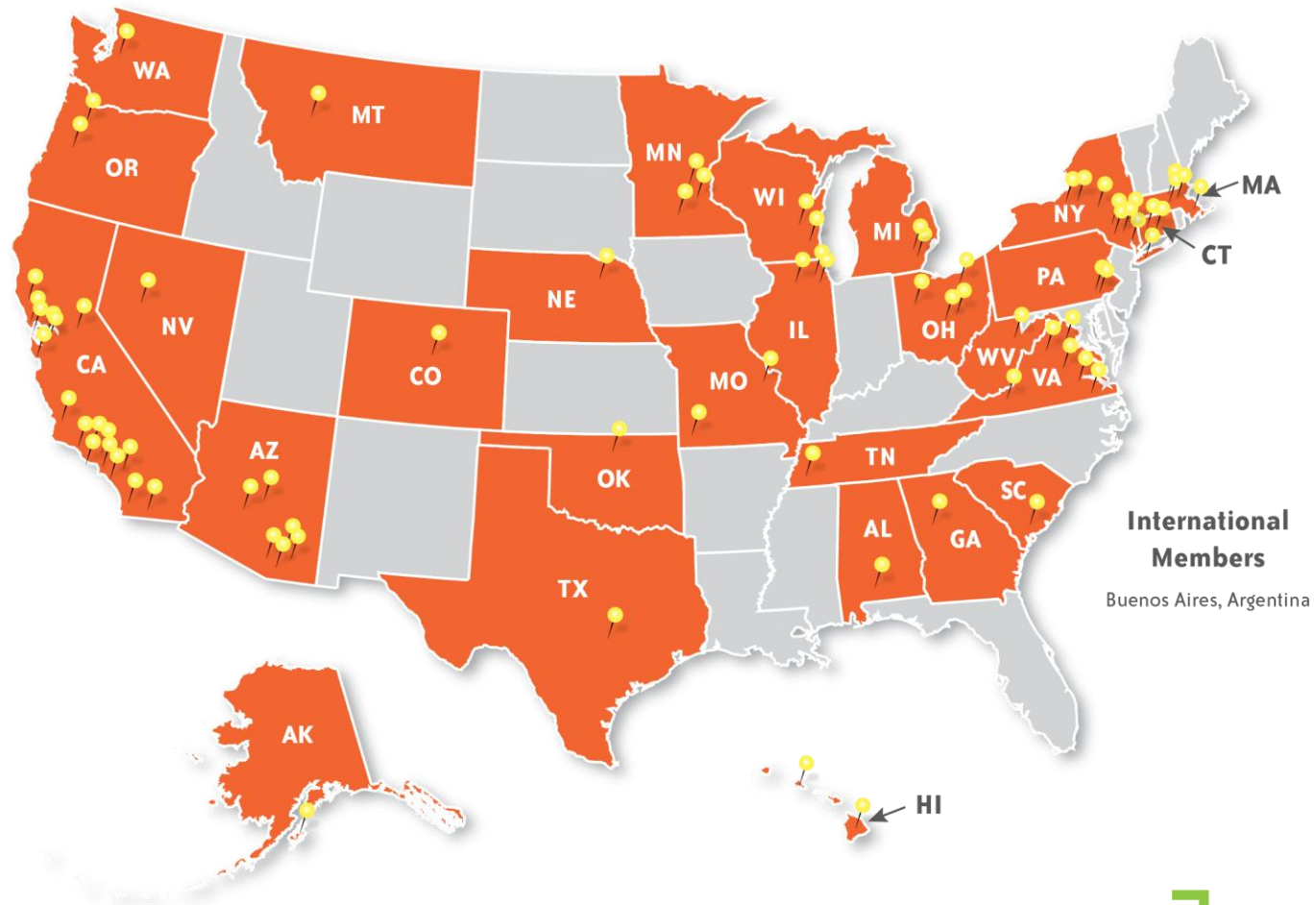
EdLeader21

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

Our vision is for every student to be ready for the citizenship and economic challenges of the 21st century.

The mission of EdLeader21 is to empower education leaders to implement 21st century district initiatives.

EdLeader21 has 81 districts from 28 states and Argentina representing 1.7 million students.



We are focused on:

Networking

- Social Network
- Annual Events

PD

- Blogs
- Webinar Series

Tool Development

- Tools
- Special Projects

EL21 Special Projects

- 4C's rubrics project
- Criteria for 21st century district projects
- Assessment pilots project



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GO

The Professional Learning Community for 21st Century Education Leaders

Collaborate

What did you learn at our annual event that was helpful?

[What do you think?](#)

Collaboration of the Month

Collaborate

Three new EdLeader21 projects have been launched! Learn more and get involved.

[What do you think?](#)

Featured Blogs

Carpe Diem, but Keep it in Perspective

by Ken Kay on October 04, 2011

One of the great things about living out west is that you get such great perspectives on the natural landscape.

A few weeks ago, my wife Karen and I took a road trip to Yuma, Arizona, to visit a new school model (more on that in a minute).

[Read more »](#)



Superintendent Joyce Bisso on 21st Century Education

by Joyce Bisso on October 04, 2011

Superintendent Joyce Bisso of Hewlett-Woodmere Public Schools answers questions about 21st Century Education.



Tools & Resources

Community Outreach Toolkit

The Community Outreach Toolkit will help you establish better connections with a wide range of community groups to support your 21st century education initiatives. Please also see the related PowerPoint.

[Click to download](#)

Community Outreach Powerpoint

This Powerpoint is part of the Community Outreach Toolkit.

[Click to download](#)

Draft ICT Literacy Resource Document

Please help us refine the DRAFT resource document on **ICT Literacy**.

[Click to download](#)

***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

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.

For More Information Contact Us

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 **EdLeader21**