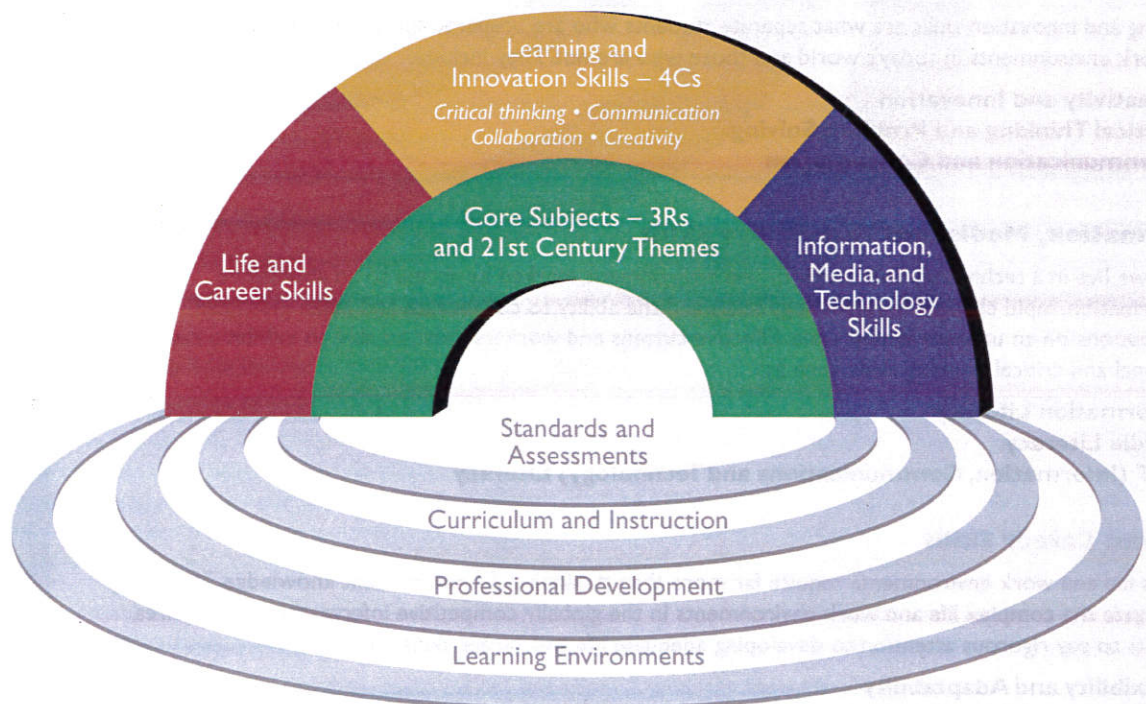


Framework for 21st Century Learning

The Partnership for 21st Century Skills has developed a vision for student success in the new global economy.

21st Century Student Outcomes and Support Systems



21ST CENTURY STUDENT OUTCOMES

To help practitioners integrate skills into the teaching of core academic subjects, the Partnership has developed a unified, collective vision for learning known as the Framework for 21st Century Learning. This Framework describes the skills, knowledge and expertise students must master to succeed in work and life; it is a blend of content knowledge, specific skills, expertise and literacies.

Every 21st century skills implementation requires the development of core academic subject knowledge and understanding among all students. Those who can think critically and communicate effectively must build on a base of core academic subject knowledge.

Within the context of core knowledge instruction, **students must also learn the essential skills for success in today's world, such as critical thinking, problem solving, communication and collaboration.**

When a school or district builds on this foundation, combining the entire Framework with the necessary support systems—standards, assessments, curriculum and instruction, professional development and learning environments—students are more engaged in the learning process and graduate better prepared to thrive in today's global economy.

Core Subjects and 21st Century Themes

Mastery of **core subjects and 21st century themes** is essential to student success. Core subjects include English, reading or language arts, world languages, arts, mathematics, economics, science, geography, history, government and civics.

In addition, schools must promote an 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

Learning and innovation skills are what separate students who are prepared for increasingly complex life and work environments in today's world and those who are not. They include:

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

Information, Media and Technology Skills

Today, we live in a technology and media-driven environment, marked by access to an abundance of information, rapid changes in technology tools and the ability to collaborate and make individual contributions on an unprecedented scale. Effective citizens and workers must be able to exhibit a range of functional and critical thinking skills, such as:

- **Information Literacy**
- **Media Literacy**
- **ICT (Information, Communications and Technology) Literacy**

Life and Career Skills

Today's life and work environments require far more than thinking skills and content knowledge. The ability to navigate the complex life and work environments in the globally competitive information age requires students to pay rigorous attention to developing adequate life and career skills, such as:

- **Flexibility and Adaptability**
- **Initiative and Self-Direction**
- **Social and Cross-Cultural Skills**
- **Productivity and Accountability**
- **Leadership and Responsibility**

21ST CENTURY SUPPORT SYSTEMS

Developing a comprehensive framework for 21st century learning requires more than identifying specific skills, content knowledge, expertise and literacies. An innovative support system must be created to help students master the multi-dimensional abilities that will be required of them. The Partnership has identified five critical support systems to ensure student mastery of 21st century skills:

- **21st Century Standards**
- **Assessments of 21st Century Skills**
- **21st Century Curriculum and Instruction**
- **21st Century Professional Development**
- **21st Century Learning Environments**

For more information, visit the Partnership's website at www.P21.org.



PARTNERSHIP FOR
21ST CENTURY SKILLS

Member Organizations

- American Association of School Librarians
- Adobe Systems Incorporated
- Apple Inc.
- Blackboard
- Cable in the Classroom
- Cengage Learning
- Cisco Systems
- Crayola
- Dell
- Education Networks of America
- ETS
- EF Education
- GlobalScholar
- Houghton Mifflin Harcourt
- Hewlett Packard
- Intel® Corporation
- JA Worldwide
- KnowledgeWorks Foundation
- Learning Point Associates
- LEGO Group
- McGraw-Hill
- Measured Progress
- MHz Networks
- Microsoft Corporation
- National Academy Foundation
- National Education Association
- netTrekker
- Oracle Education Foundation
- Pearson
- PMI Educational Foundation
- Verizon
- Walt Disney Company

Common Core Implementation Resources

The resources below provide further guidance around the Common Core State Standards and their integration into teaching and learning systems.

GENERAL

American Association of School Librarians (AASL) Common Core Crosswalk*

<http://www.ala.org/ala/mgrps/divs/aasl/guidelinesandstandards/commoncorecrosswalk/index.cfm>

American Association of School Librarians (AASL) Lesson Plan Database*

<http://www.ala.org/ala/mgrps/divs/aasl/guidelinesandstandards/lessonplandatabase/lessonplandb.cfm>

<http://aasl.jesandco.org/>

Common Core Website (CCSS)

<http://www.corestandards.org/>

Houghton Mifflin*

<http://hmfeducation.com/commoncore/index.php>

McGraw Hill*

<http://www.commoncoresolutions.com/resources.php>

Pearson*

<http://commoncore.pearsoned.com/index.cfm?locator=PS11T9>

Partnership for 21st Century Skills Maps*

http://www.p21.org/index.php?option=com_content&task=view&id=504&Itemid=185#maps

Scholastic

<http://teacher.scholastic.com/products/common-core-state-standards.htm>

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MATHEMATICS

The Consortium for Mathematics and Its Applications (COMAP)

<http://www.comap.com/>

COMAP Conference Summary - Moving Forward Together: Curriculum & Assessment and the Common Core State Standards for Mathematics

<http://www.mathismore.net/resources/MovingForward/index.html>

Maine CCSS Math Professional Development*

http://www.maine.gov/education/lres/math/ccss_pd.html

NCTM Common Core Implementation Resources

<http://www.nctm.org/news/highlights.aspx?id=26084&blogid=6806>

Wireless Generation Math Learning Trajectory Posters

To support the implementation of standards in classrooms, mathematics education experts Drs. Jere Confrey, Alan Maloney and Kenny Nguyen created Learning Trajectory posters to help K-12 educators easily:

- Familiarize themselves with the new Common Core Mathematics Standards
- View at a glance what they are responsible for teaching over the course of the school year

http://www.wirelessgeneration.com/posters?gclid=CP3c2_nGgakCFUgbQgodZFIQTA

ENGLISH LANGUAGE ARTS

Common Core Curriculum Map Project

Common Core's Curriculum Maps in English Language Arts translate the new Common Core State Standards for Kindergarten through 12th grade into unit maps that teachers can use to plan their year, craft their own more detailed curriculum, and create lesson plans. They were written by public school teachers for public school teachers and are available free of charge to anyone who would like to use them.

<http://www.commoncore.org/>

NCTE Common Core Implementation Resources

<http://www.ncte.org/commoncore>

<http://ncte2008.ning.com/forum/topics/k12-common-core-standards>

National Writing Project Resources (NWP) Resources

NWP project to develop common core writing curriculum.

<http://www.nwp.org/cs/public/print/resource/3337>

International Reading Association

<http://www.reading.org/resources/ResourcesByTopic/CommonCore-resourcetype/CommonCore-rt-resources.aspx>

ASSESSMENT RESOURCES

As with any work related to standards, the question of assessment remains central. Following are some resources that may be helpful in your implementation efforts.

Assessing What Matters

This article by Robert J. Sternberg was published in *Education Leadership* in December 2007. It is an excellent overview of what traditional measures can miss when it comes to 21st century outcomes for students.

<http://www.learnersedgeinc.com/file/728-4.pdf>

Assessment: A 21st Century Skills Implementation Guide

Partnership for 21st Century Skills*

This guide articulates some key steps education leaders should consider when implementing assessment of 21st century skills.

http://p21.org/documents/p21-stateimp_assessment.pdf

Be Clear About the Heavy Lifting Ahead for New Assessments

Bill Tucker Blog

“If we really want to make assessment better — and our accountability systems, use of data, effectiveness evaluations, etc. all hang on assessment — then it’s going to take much more than this one federal grant.”

<http://www.quickanded.com/2010/09/be-clear-about-the-heavy-lifting-ahead-for-new-assessments.html>

Pearson – Thoughts on an Assessment of Common Core Standards*

<http://www.pearsonassessments.com/NR/rdonlyres/6063DE04-2372-4EC4-9642-7B8A584F942F/0/ThoughtonaCommonCoreAssessmentSystem.pdf>

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Exploring the Intersection of Science Education and 21st Century Skills: A Workshop Summary

Margaret Hilton

Exploring the Intersection of Science Education and 21st Century Skills addresses key questions about the overlap between 21st century skills and scientific content and knowledge; explores promising models or approaches for teaching these abilities; and reviews the evidence about the transferability of these skills to real workplace applications.

<http://www.nap.edu/catalog/12771.html>

<http://www.ncbi.nlm.nih.gov/books/NBK32678/>

EdSector Policy Papers on Assessment in the 21st Century

- **Beyond the Bubble: Technology and the Future of Student Assessment** - Bill Tucker - In a new Education Sector report, Managing Director Bill Tucker argues that technology has the potential to drastically improve our current assessment systems and practices, leading to significant improvements in teaching and learning in the nation's classrooms.
- **Measuring Skills for the 21st Century** – Elena Silva - Leaders in government, business, and higher education are calling for today's students to show a mastery of broader and more sophisticated skills like evaluating and analyzing information and thinking creatively about how to solve real-world problems. But standing in the way of incorporating such skills into teaching and learning are widespread concerns about measurement. In this report, Senior Policy Analyst Elena Silva examines new models of assessment that illustrate that the skills that really matter for the 21st century can be measured accurately and in a common and comparable way.

www.edsector.org

