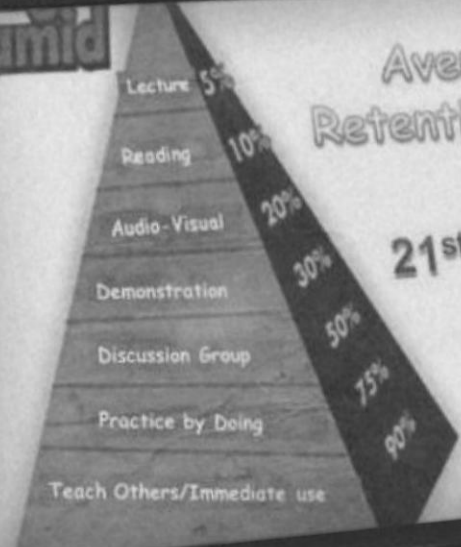


Pio Jofre.com

Pyramid



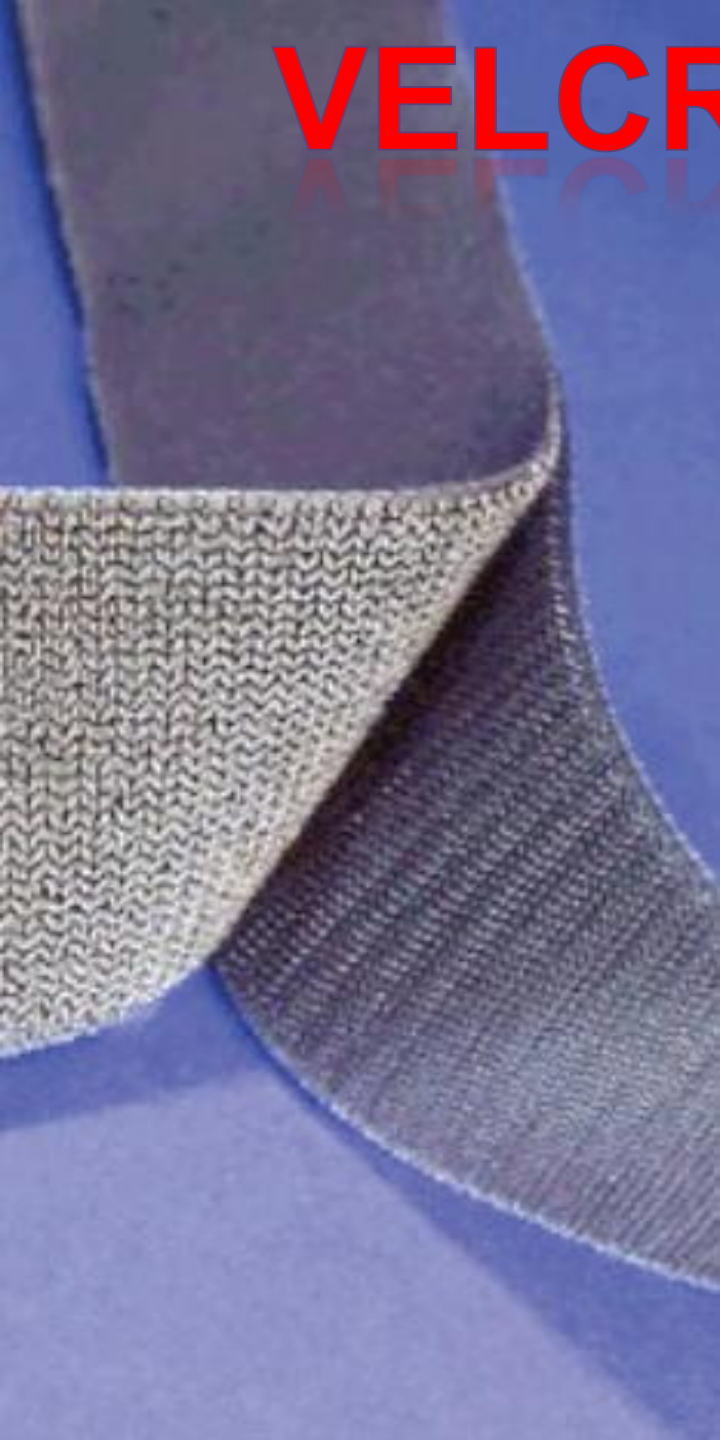
Average Retention Rate

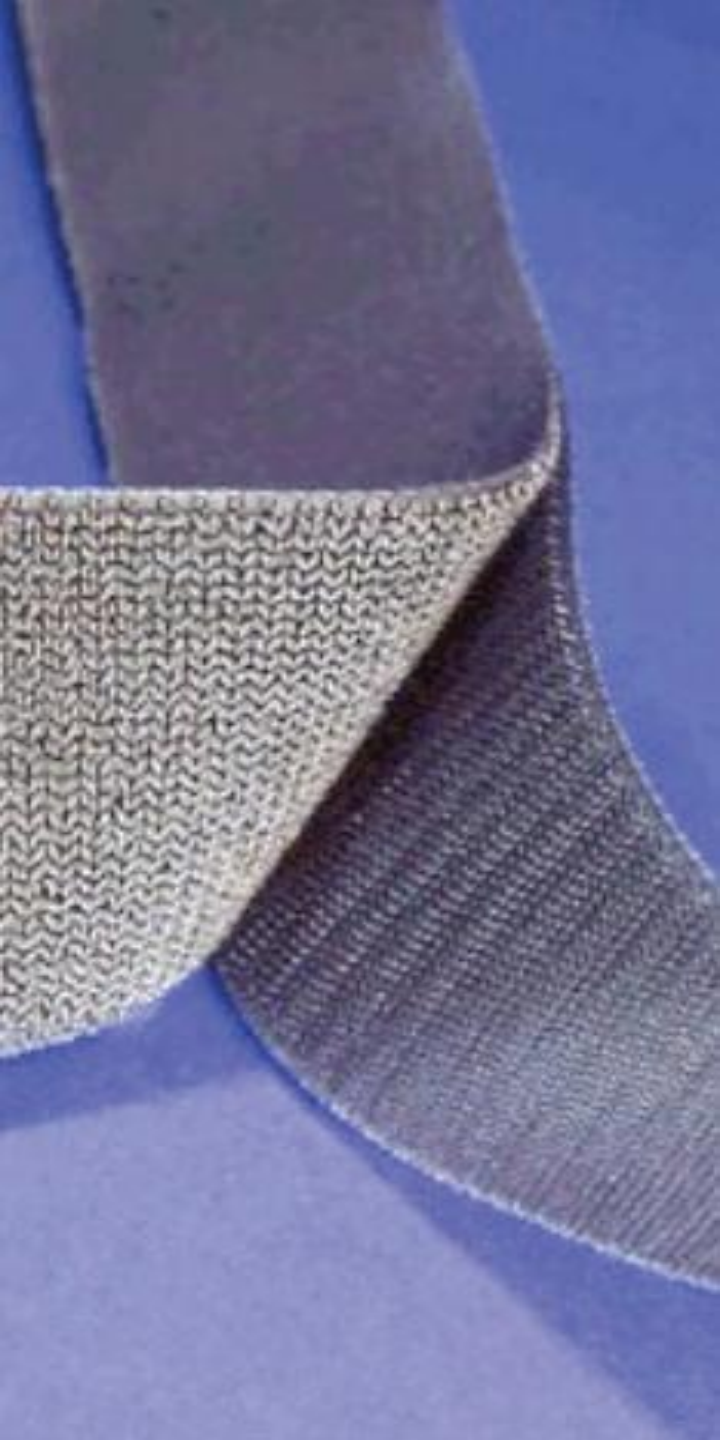
21st Century Skills



VELCRO LEARNING

Instruction without interest is like having only one side of a piece of Velcro. It just doesn't stick. To have Velcro learning you must have instruction and interest.












You may obtain this many different ways.

(1). One is project based learning

(2). Using web 2.0 concepts.

TV WEATHER REPORT 1960

SUN	MON	TUE	WED	THUR	FRI	SAT
						
88 42	74 55	45 12	84 48	67 42	72 66	55 38

Storage Terms

Storage Term	Approximate Number of Bytes	Exact Number of Bytes
Kilobyte (KB)	1 thousand	2^{10} or 1,024
Megabyte (MB)	1 million	2^{20} or 1,048,576
Gigabyte (GB)	1 billion	2^{30} or 1,073,741,824
Terabyte (TB)	1 trillion	2^{40} or 1,099,511,627,776
Petabyte (PB)	1 quadrillion	2^{50} or 1,125,899,906,842,624
Exabyte (EB)	1 quintillion	2^{60} or 1,152,921,504,606,846,976
Zettabyte (ZB)	1 sextillion	2^{70} or 1,180,591,620,717,411,303,424
Yottabyte (YB)	1 septillion	2^{80} or 1.208.925.819.614.629.174.706.176

Elementary

Middle

High School

Videos

Stories

Smart Board

Classes

Calendar

**Calendar
Activities**

Web 2.0

Jeopardy

Autism

Online Testing

**Technology
Standards**

Holiday Links

Lessons/Word

Rainforest

Works Cited

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Learning Pyramid

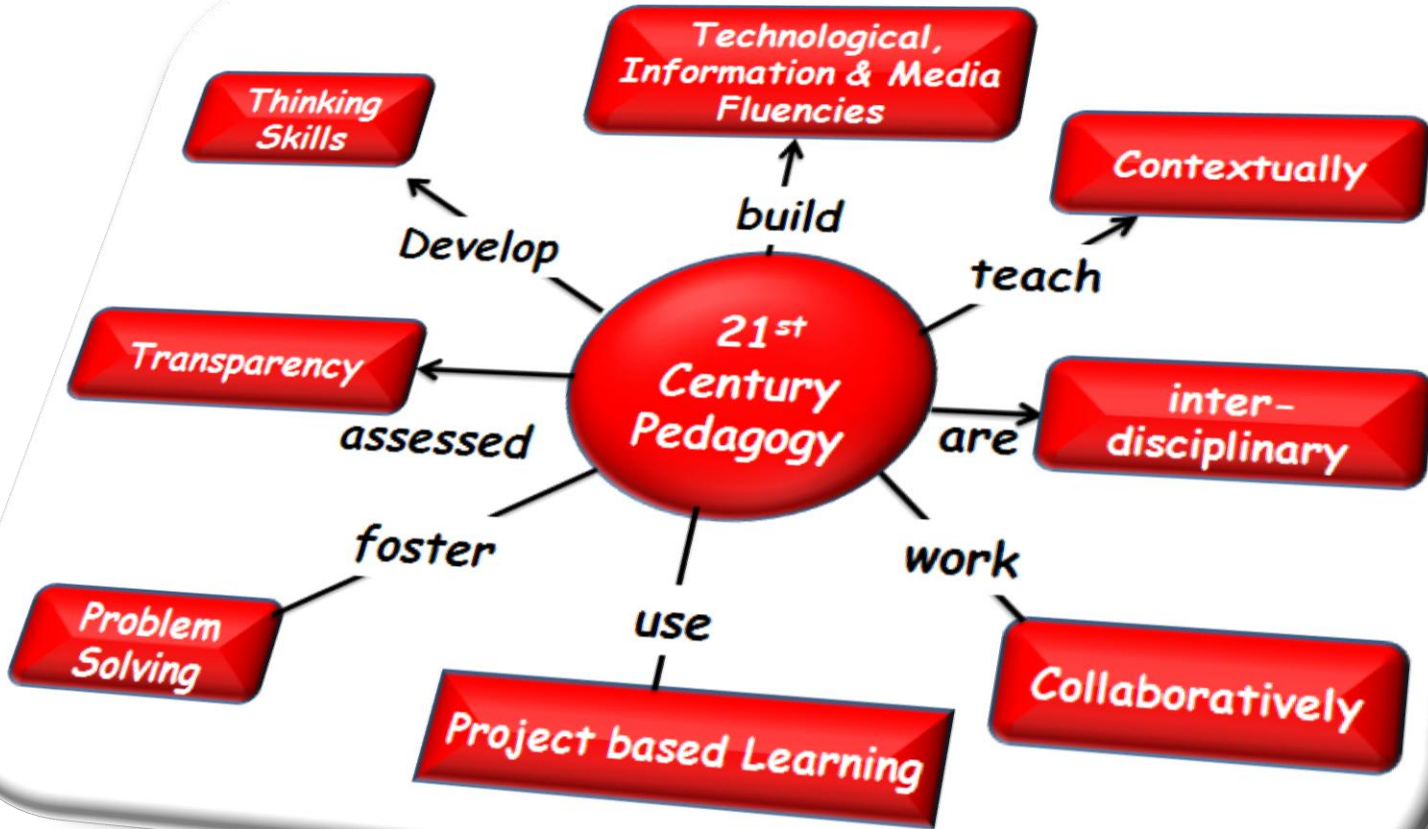


Average Retention Rate

21st Century Skills

21st Century Education

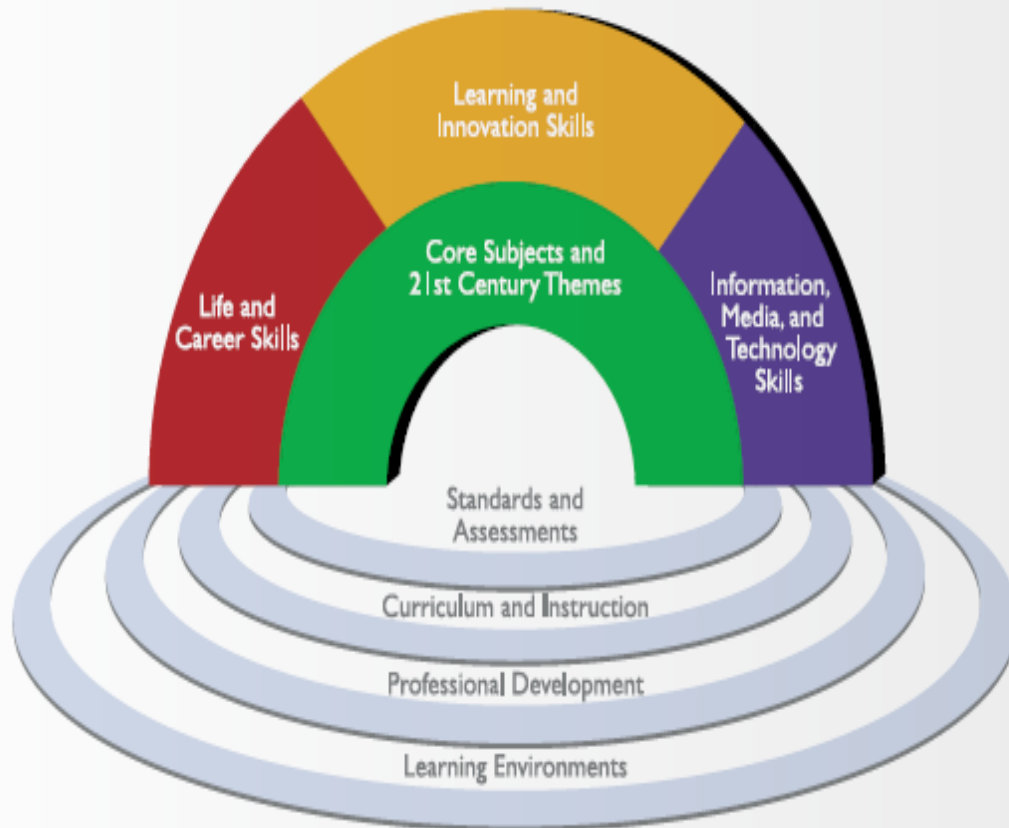
20 th Century	21 st Century
Lecture	Facilitation
Students listen in class; perform exercises at home.	Students listen at home; perform exercises in class.
Rows of desks	Clusters of desks
Independent performance	Group performance
Teacher engages student in learning	Technology engages student in learning
Content	Content + Skills + Themes
Textbook driven	Research driven
Classroom learning	Online learning
Textbook publisher	Corporations providing materials



Within a 21st Century Classroom

- Learning takes place through real-world examples
- Learning must be relevant, engaging, and meaningful to students
- Learning must expand beyond the classroom walls
- There needs to be global awareness- learning takes place outside the four classroom

21st Century Skills Framework



Life and Career Skills

These skills describe the ability to be flexible, adaptable, self-directed, socially aware, accountable and responsible.

Learning and Innovation Skills

Core Subjects and 21st Century Themes

Information, Media and Technology Skills

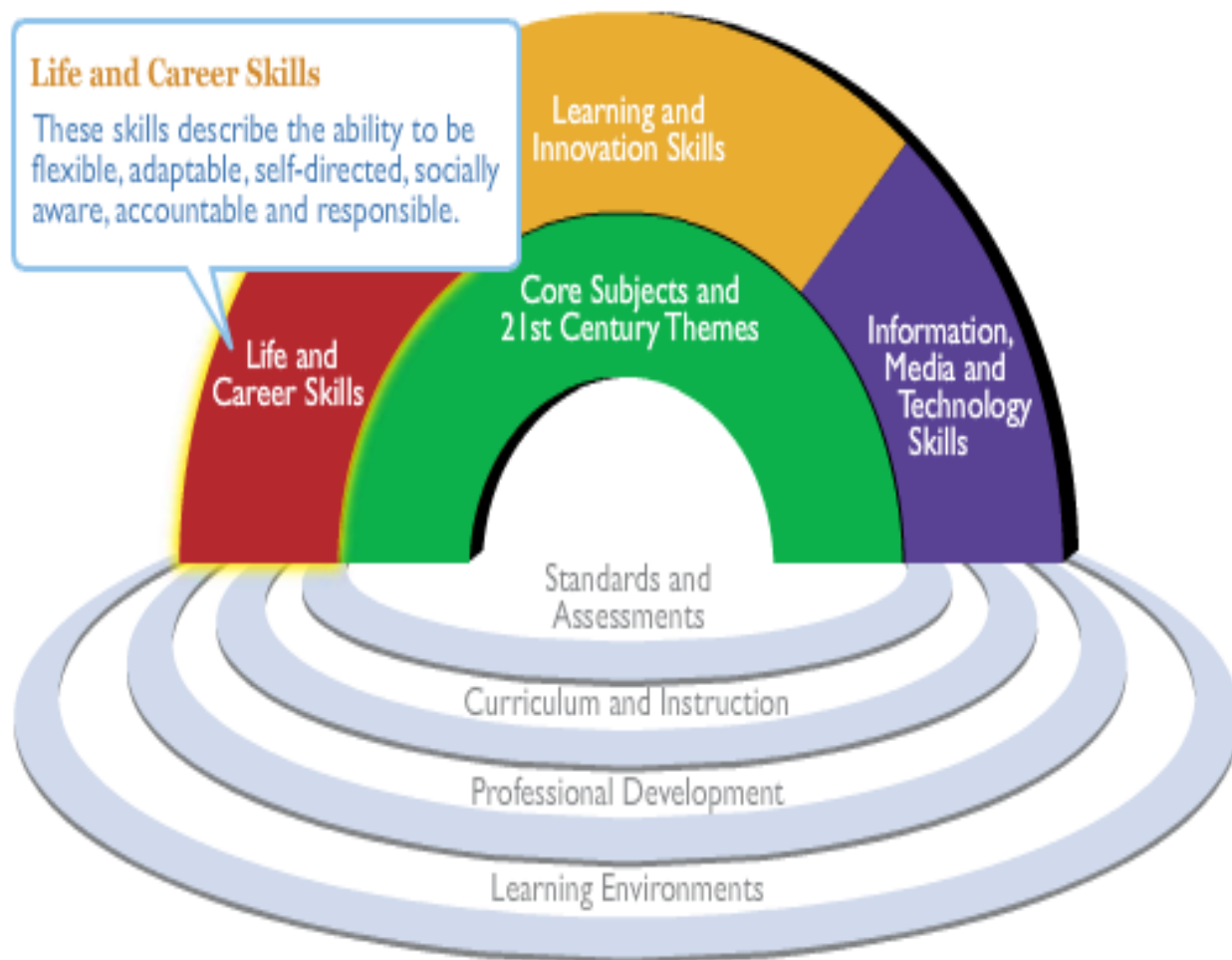
Life and Career Skills

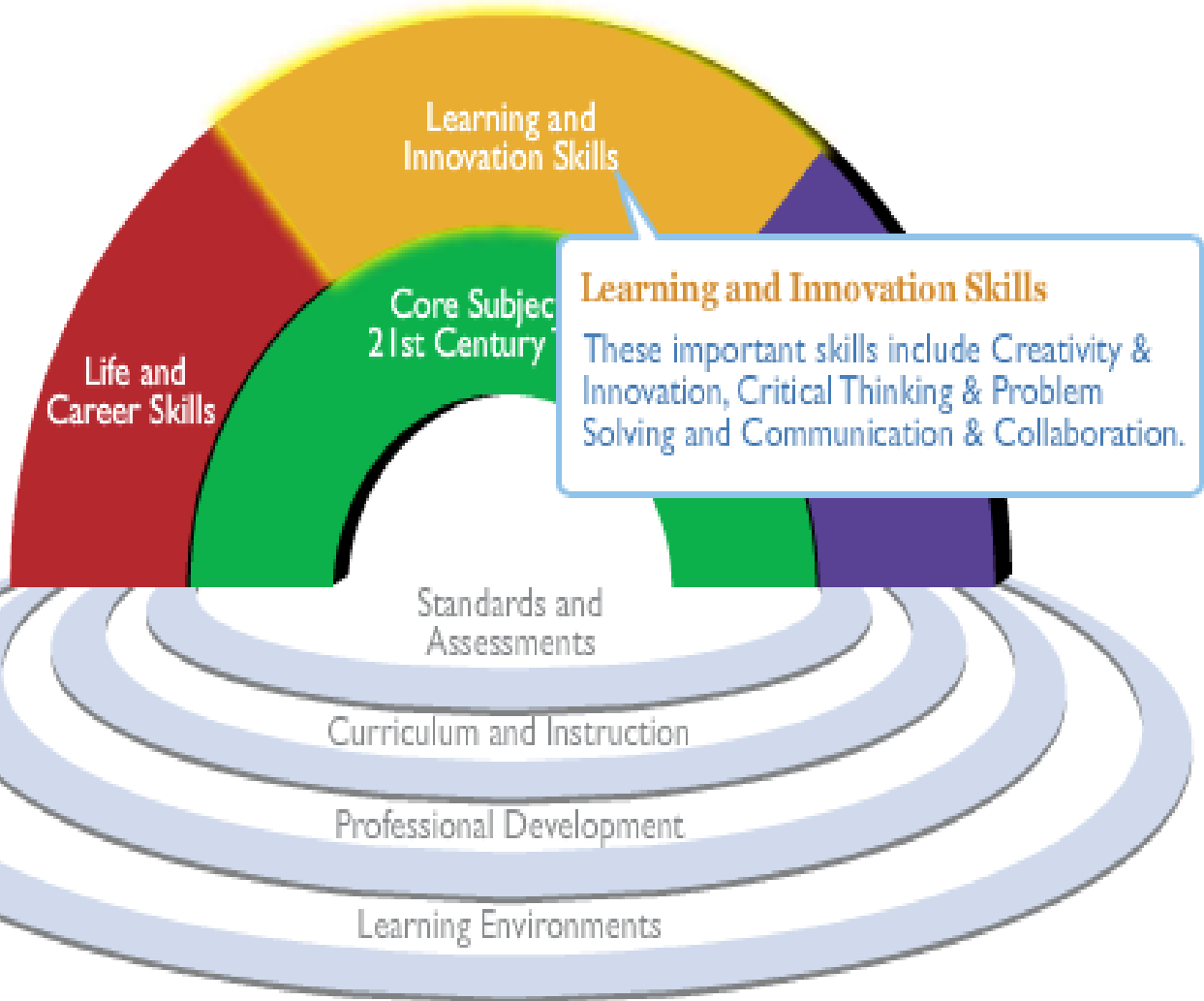
Standards and Assessments

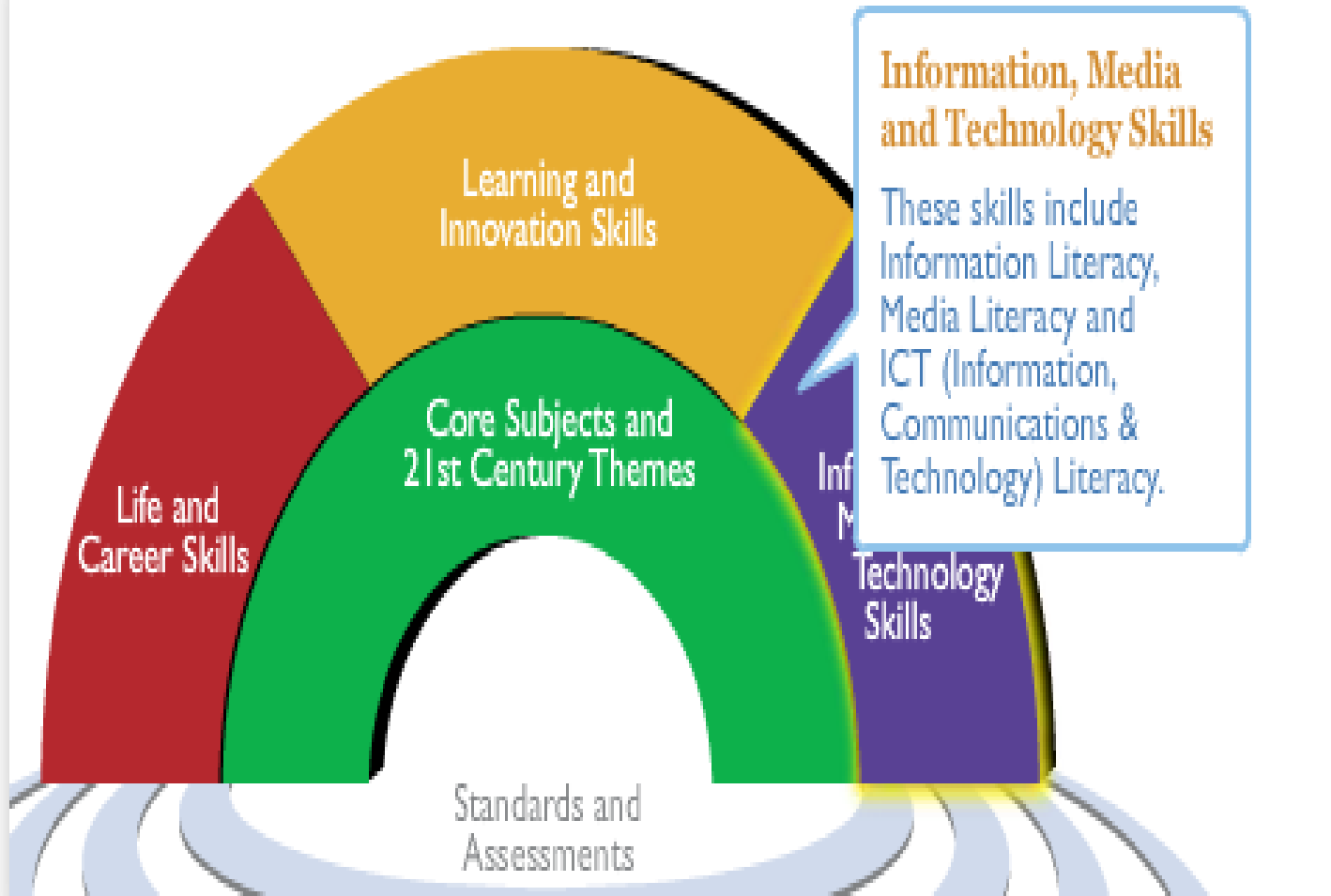
Curriculum and Instruction

Professional Development

Learning Environments

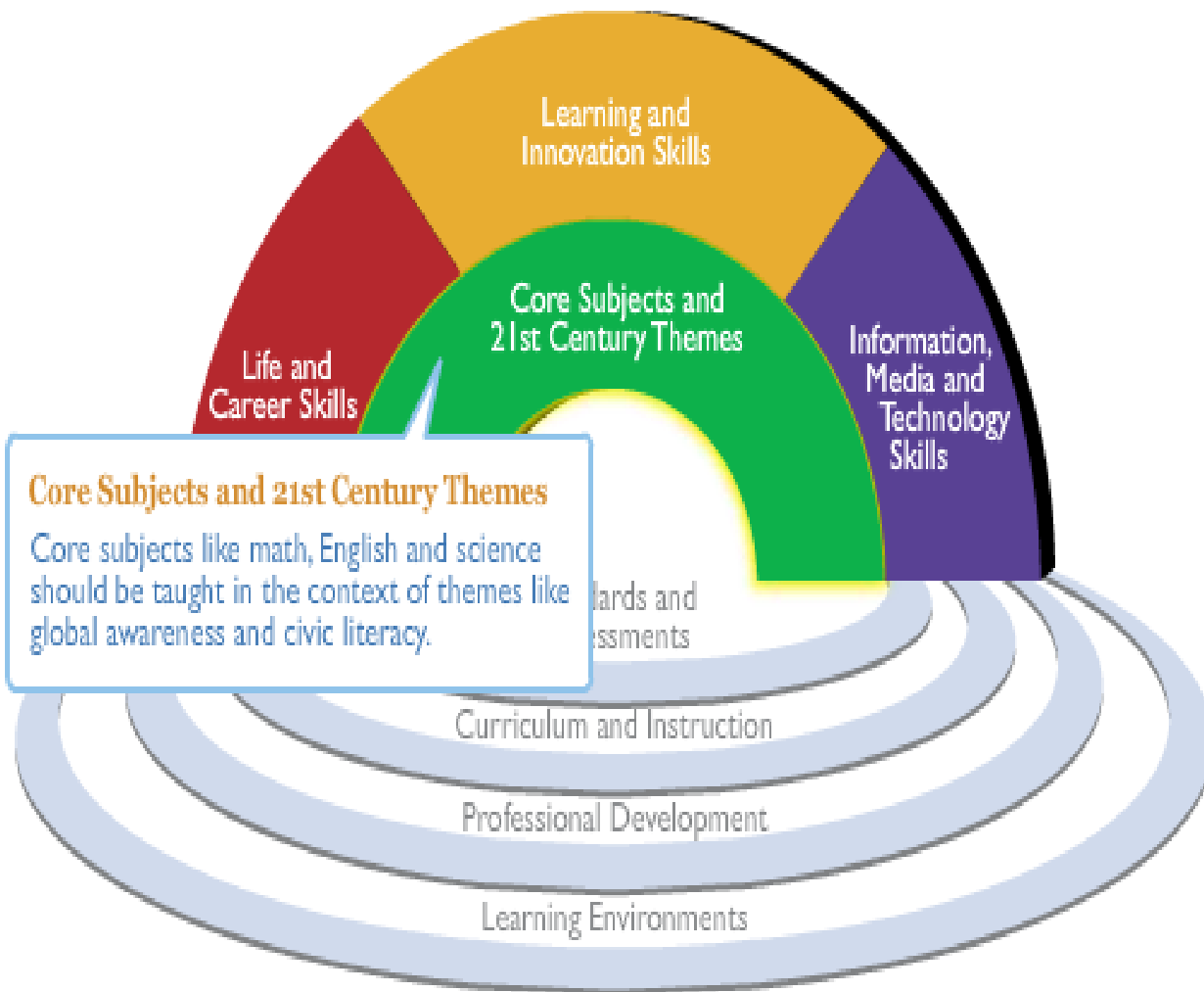






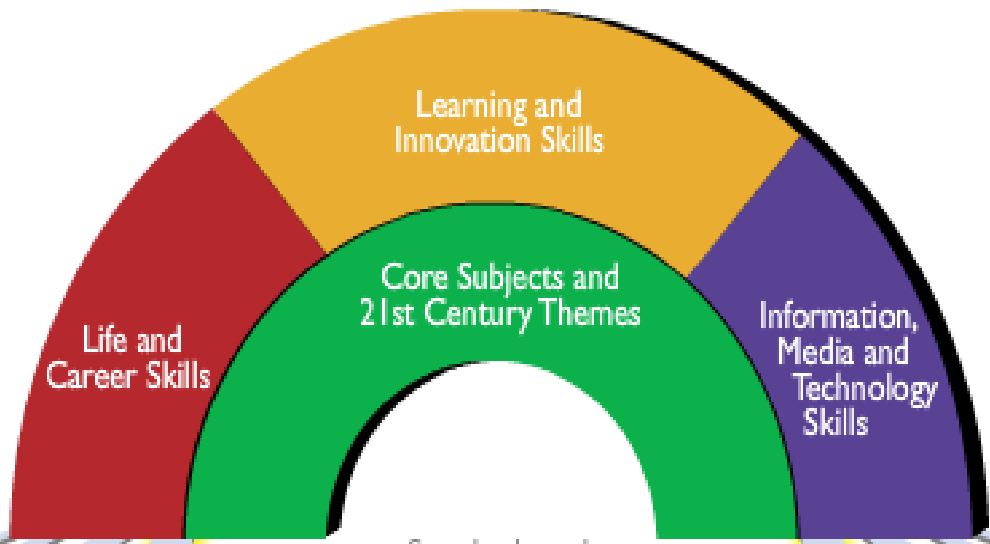
Information, Media and Technology Skills

These skills include Information Literacy, Media Literacy and ICT (Information, Communications & Technology) Literacy.



Core Subjects and 21st Century Themes

Core subjects like math, English and science should be taught in the context of themes like global awareness and civic literacy.



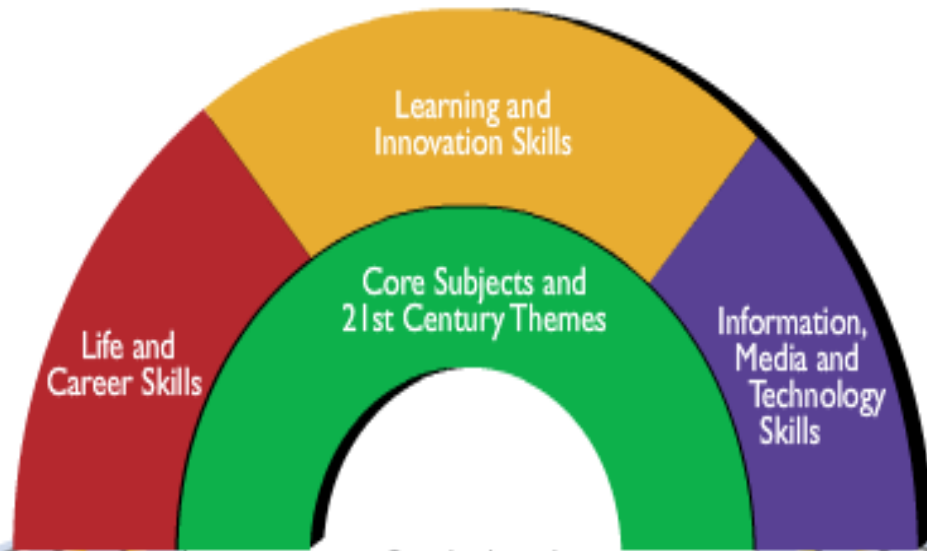
Standards and Assessments

Curriculum and Instruction

Professional Development

Learning Environments

21st Century Standards and Assessments
21st century standards, along with a balanced system of assessments that measure 21st century skills is critical.



Standards and Assessments

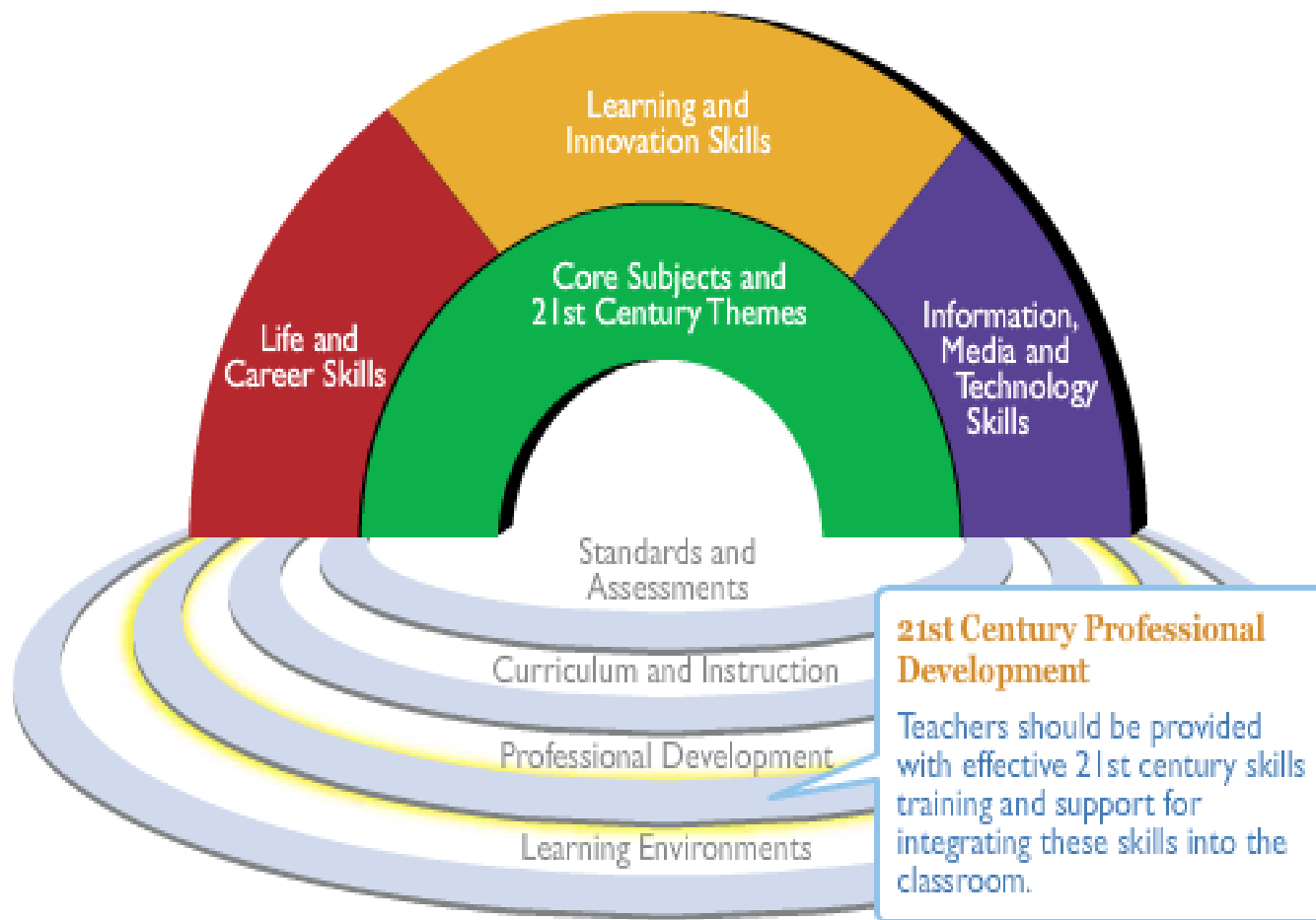
Curriculum and Instruction

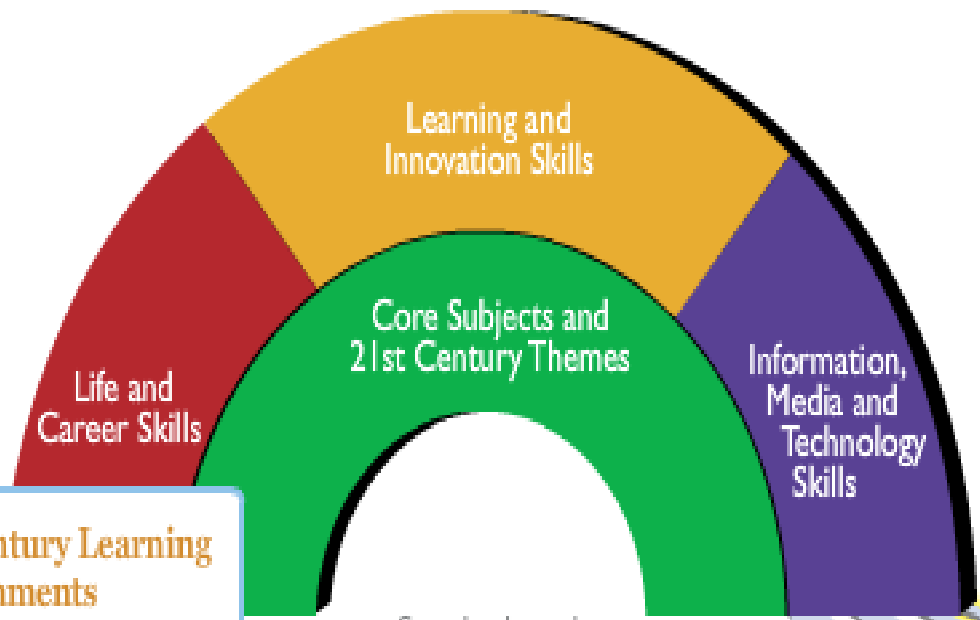
Professional Development

Learning Environments

21st Century Curriculum and Instruction

Instructional materials and practice should support student mastery of 21st century skills.





Standards and Assessments

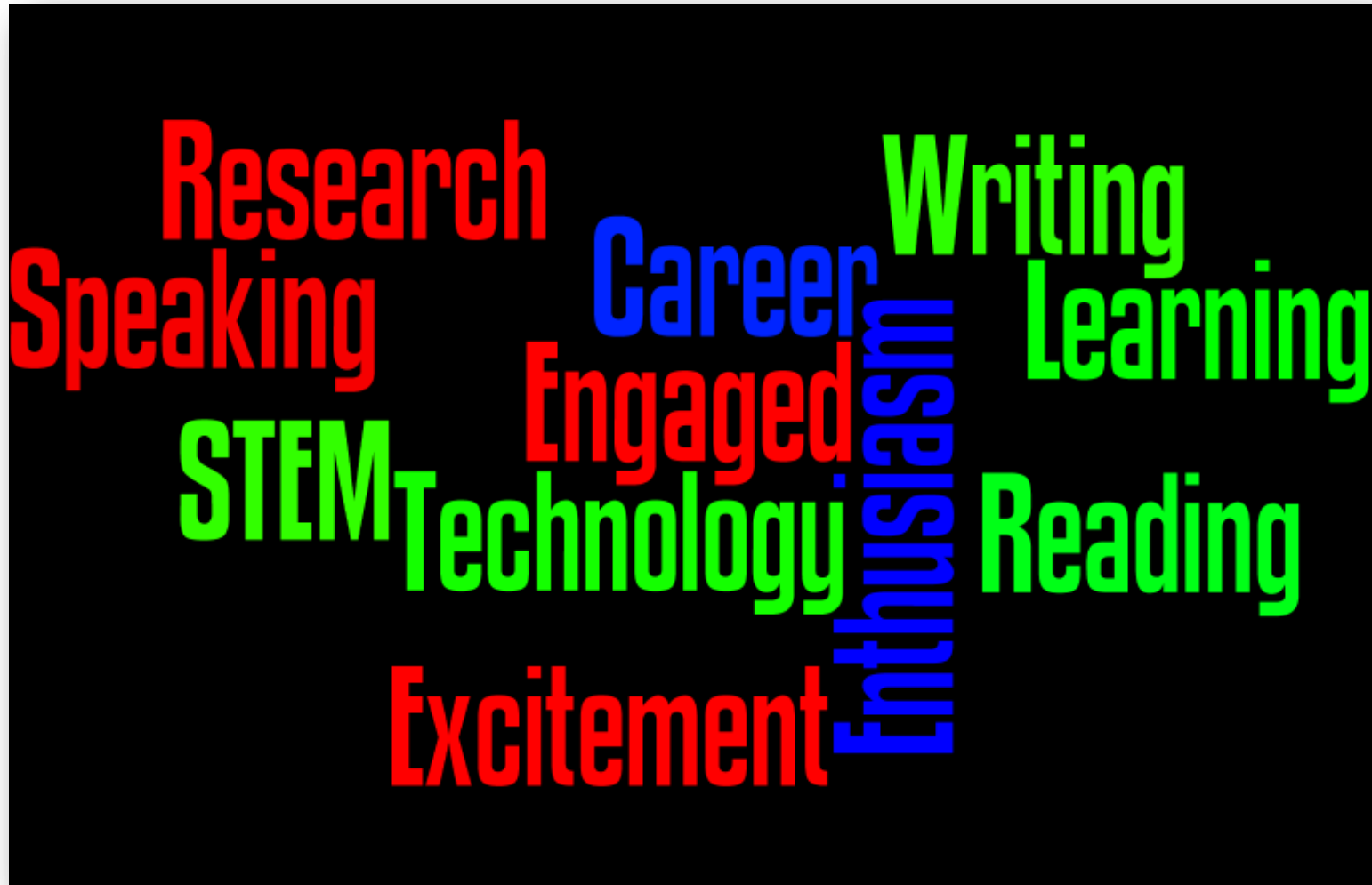
Curriculum and Instruction

Professional Development

Learning Environments

21st Century Learning Environments
Where students learn affects what they learn - today's learning environments must support the teaching and learning of 21st century skills.

Imagine a school with students who....



"Today's education system faces irrelevance unless we bridge the gap between how youth live and how they learn."

"The illiterate of the 21st century will not be those who cannot read or write, but those who cannot learn, unlearn and relearn."

Students must be able to...

- Think critically
- Solve problems
- Be innovative
- Communicate effectively
- Collaborate
- Be a self-directed learner
- Be information and media literate
- Be civically engaged

- Be civically engaged
- Be information and media literate
- Be a self-directed learner

Teaching the 21st Century Learner

- Requires:
 - Much less emphasis on the amount of material that is memorized
 - Much more emphasis on making connections, thinking through issues, and solving problems

proprietary

www.pearsoned.com

Teaching the 21st Century Learner

- Teacher's Role:
 - Facilitate peer-to-peer learning
 - Provide meaningful, engaging lessons
 - Provide opportunities for students to see the real-world connections in what they are learning
 - Meet students where they are and take them as far as they can go
 - Provide opportunities for collaboration, problem solving, and communication
 - A partner in teaching and learning - flexible

- A partner in teaching and learning - flexible
- Provide opportunities for collaboration, problem solving, and communication
- Meet students where they are and take them as far as they can go

What do 21st Century Lessons Look like?

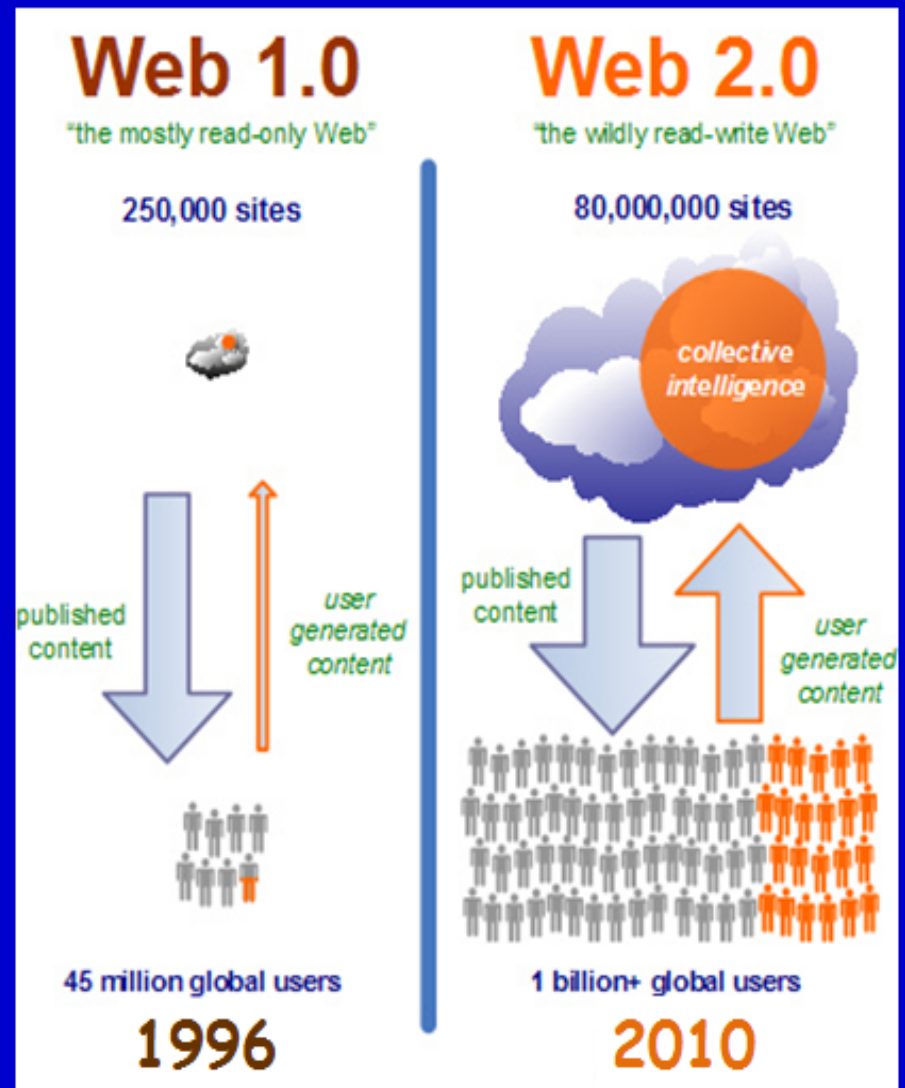
- Work with a partner or small group.
- Read through the lesson examples.
- Determine which lessons engage students in 21st century learning.
- Be ready to share what makes one lesson a 21st Century lesson.

Lesson a 21st Century Lesson.

- Be ready to share what makes one

According to O'Reilly: Tim

- Web as Platform
- Harnessing Collective Intelligence
- Database Driven
- Perpetual Beta
- Lightweight Programming
- Multi-Device
- Rich User Experience



www.21stcenturyskills.org/route21

The screenshot shows the homepage of the Route 21 website. At the top, there is a green navigation bar with a "ROUTE 21" logo on the left and links for "Login", "My Profile", "About Us", "Help", "Search Materials" (with a search input field), and "Advanced Search". Below the navigation bar is a blue header with four buttons: "21st Century Skills", "21st Century Support Systems", "Resources for 21st Century Skills", and "21st Century States". The main content area features a "Welcome to Route 21" heading and a paragraph: "The Partnership for 21st Century Skills is pleased to offer Route 21, a one-stop-shop for 21st-century skills-related information, resources and community tools. To get started, [take a tour](#) or [explore the P21 framework](#)." To the left of the main content is a sidebar with a "what's new" section titled "NEWS & ANNOUNCEMENTS" showing "81 materials: 81 recently added", "15 members: 2 recently joined", and a "show more" link. Below this is a green "TAKE A TOUR" button. At the bottom left is a "login" section with "Username" and "Password" input fields. A "Done" button is visible at the very bottom left corner.

How do I learn more about 21st Century Skills?

