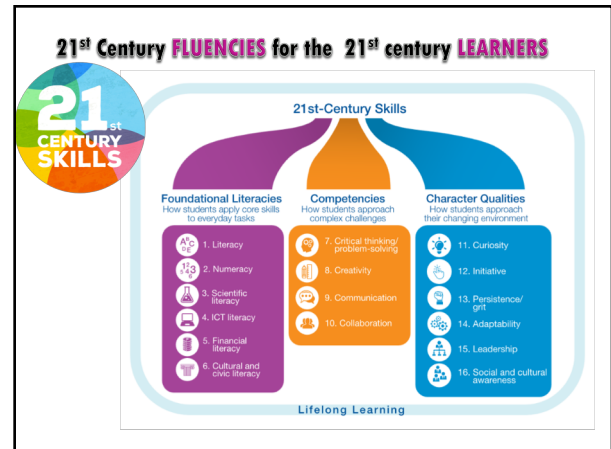
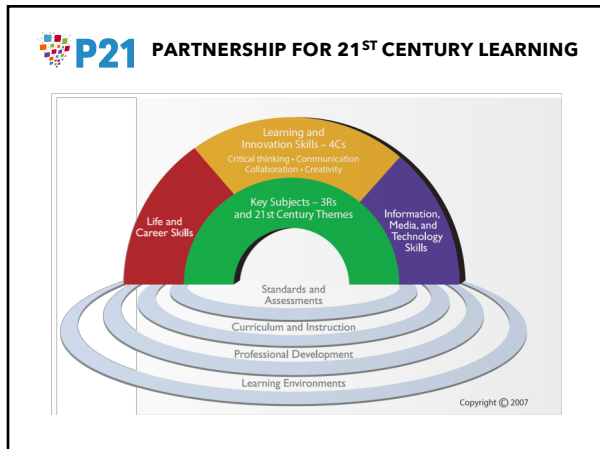


## LEARNING SPACE

- Physical, blended or virtual learning environments that enhance learning
- Spaces where both teachers and learners optimize the perceived and actual affordances of the space
- Spaces that promote authentic learning interactions (Keppell & Riddle, 2012, 2013).



## 21<sup>ST</sup> CENTURY LEARNING APPROACHES

An emphasis on **student-centered learning approaches** provides the means to evolve from more traditional, teacher-driven learning methods to inquiry-based, **technology-rich classrooms**. The underlying recommendation of the Aspen Report is clear: "Students should be at the center of any **networked learning environment**" (2014).

Student-centered learning environments emphasize the construction of **personal meaning** by conjoining new **knowledge** to existing understandings, and **technology** promotes access to resources and tools that foster these connections (Hannafin & Land, 1997).

## I AM A DIGITAL AGE TEACHER

### ISTE STANDARDS FOR TEACHERS

## DESIGNER

Design authentic, learner-driven activities and ENVIRONMENTS that recognize and accommodate learner variability.

**WILD THING POSE**

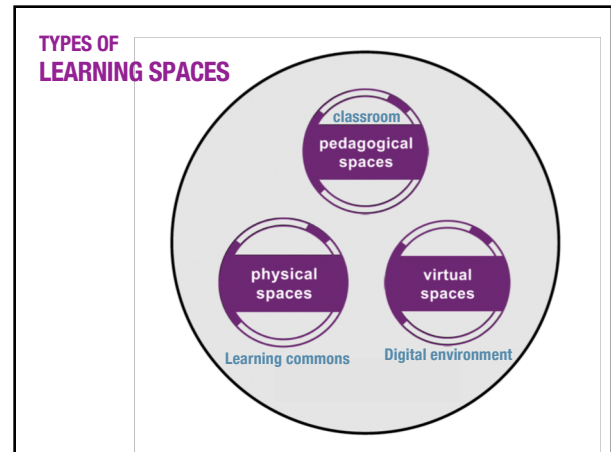
Open up to new possibilities so can create innovative digital environments that engage and support learning.

**UNESCO 2018**  
ICT Competency Framework  
for Teachers

18 competencies organized according to the six aspects of teachers' professional practice, over three levels of teachers' pedagogical use of ICT.

Teachers who have competencies to use ICT in their professional practice will deliver **QUALITY EDUCATION** and ultimately be able to effectively guide the **development of students' ICT competencies**.

	Knowledge Acquisition	Knowledge Deepening	Knowledge Creation
Understanding ICT in Education	Policy Understanding	Policy Application	Policy Innovation
Curriculum and Assessment	Basic Knowledge	Knowledge Application	Knowledge Innovation
Pedagogy	ICT-enhanced Teaching	Complex Problem-solving	Self-management
Application of Digital Skills	Application	Innovation	Transformation
Organization and Administration	Standard Classroom	Collaborative Groups	Learning Organization
Teacher Professional Learning	Digital Library	Networking	Teacher as Innovator



### CHARACTERISTICS OF PHYSICAL LEARNING SPACES

The graphic features a network of colorful lines (red, blue, green, yellow) connecting various icons that represent different aspects of physical learning spaces, such as people, technology, and learning environments.

### 21ST CENTURY LEARNING SPACES - TECHNOLOGY-SUPPORTED/RICH LEARNING ENVIRONMENT

This illustration depicts a collaborative physical and virtual learning environment. Students are seated at tables, using laptops and tablets, while a teacher interacts with them. The environment is equipped with large digital screens and interactive displays.

### 21ST CENTURY LEARNING SPACES - UNTETHERED/STABLE WIRELESS NETWORK SOLUTIONS

Two photographs show students in a classroom setting. The top photo shows a group of students working on laptops at a table. The bottom photo shows a larger group of students working on laptops at a long table. A blue circle with the text "Technology infused naturally into teaching" is overlaid on the images.

### 21ST CENTURY LEARNING SPACES - VISUALLY OPEN & PROMOTES TRANSPARENCY

Two photographs show modern, open-plan learning environments. The top photo shows a large, open-plan space with glass walls and collaborative tables. The bottom photo shows a similar space with glass walls and collaborative tables, emphasizing transparency and openness.

21ST CENTURY LEARNING SPACES -  
**FLEXIBLE:** the potential for multiple usage of a space

Equitable access to best resources and teaching expertise

21ST CENTURY LEARNING SPACES -  
**FACILITATE A COLLABORATIVE LEARNING EXPERIENCE**

21ST CENTURY LEARNING SPACES -  
**EQUITY:** consideration of the needs of cultural and physical differences

21ST CENTURY LEARNING SPACES -  
**FILLED WITH VIBRANCY AND CREATIVITY**

The study even recommends certain colors for certain academic disciplines — blue and indigo for chemistry, orange and green for social studies, and yellow or sea green for history

**Comfort:** a space which creates a physical and mental sense of ease and well-being

21ST CENTURY LEARNING SPACES -  
**AESTHETICS**  
 pleasure which includes the recognition of symmetry, harmony, simplicity and fitness for purpose



## 21ST CENTURY LEARNING SPACES - FLOW

the state of mind felt by the learner when totally involved in the learning experience

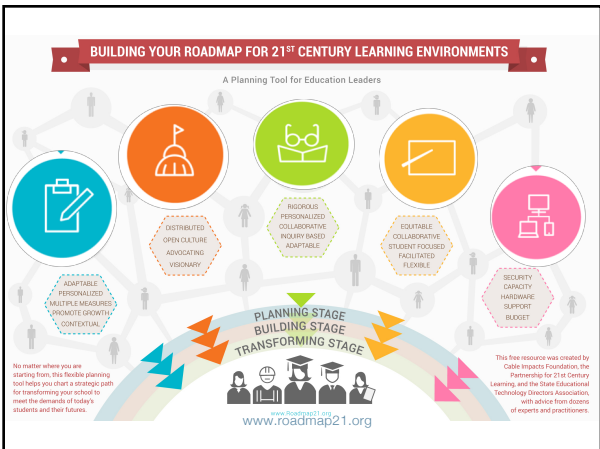


**Affordances:** the "action possibilities" the learning environment provides the users, including such things as kitchens, natural light, wifi, private spaces, writing surfaces, sofas, and so on.



# BUILDING YOUR ROADMAP TO 21ST CENTURY LEARNING ENVIRONMENTS

A planning tool for education leaders.



LEADERSHIP  
& CULTURE

DISTRIBUTED  
OPEN CULTURE  
ADVOCATING  
VISIONARY

The organization's philosophies and prevailing norms, which are influenced by its leadership and those who work for, or influence, its operation.



TEACHING &  
PROFESSIONAL  
LEARNING

EQUITABLE  
COLLABORATIVE  
STUDENT FOCUSED  
FACILITATED  
FLEXIBLE

The instructional strategies and over-arching approach to teaching, as well as the ongoing development of teaching professionals.





**INFRASTRUCTURE**

SECURITY  
CAPACITY  
HARDWARE  
SUPPORT  
BUDGET

The varied technical components that support effective learning environments—from physical assets, to human resources and support.



**LEARNING**

RIGOROUS  
PERSONALIZED  
COLLABORATIVE  
INQUIRY BASED  
ADAPTABLE

Dependent upon success across the following four components, transformative learning results in college- and career-ready graduates who are lifelong learners.



**ASSESSMENT & ACCOUNTABILITY**



ADAPTABLE  
PERSONALIZED  
MULTIPLE MEASURES  
PROMOTE GROWTH  
CONTEXTUAL

The use of valid and reliable tools to measure, monitor and optimize learning, alongside efforts to improve the effectiveness of the organization through ongoing measurement, analysis and communication.

**Educator's Perspective**




**DYNAMIC LEARNING**

**DYNAMIC LEARNING**

Use these strategies to go BEYOND traditional learning and make it more DYNAMIC!

Dynamic Learning Framework for Teachers  
Kasey Bell (2018)

