

Infusing 21st Century Skills

October 20, 2011

Who is this man?



Steve Jobs

What made him
so popular and
influential?

The Four Question Exercise

- 1) What will the world be like twenty or so years from now when your child has left school and is out in the world?

Question 2

- 2) What skills will your child need to be successful in this world you have imagined twenty years from now?

Question 3

- Think about your own life and the times when you were really learning, so much and so deeply, that you would call these moments “peak learning experiences” of your life.
- What were the conditions that made your high performance learning experiences so powerful?

Question 4

- What would learning be like if it were designed around your answers to the first three questions?

The 1920's



The 1960's



CITY COMPTROLLER OFFICE EQUIPMENT

The 21st Century



The Penny Trick

- With a partner.
- Using only three moves, invert the pyramid.

The Penny Trick

- In order to solve the problem, what skills did you need to use?



We need to teach
for THEIR futures

Not



Our Past



The 21st Century Skills are..

- 3Rs and 4Cs
- Critical thinking and problem solving,
- Communication,
- Collaboration,
- and Creativity and innovation

Implied : accountability and responsibility

Key Word :

Felt Need

As the process begins...

“sense and meaning” :

Does your curriculum, activity, or lesson have “sense and meaning”?

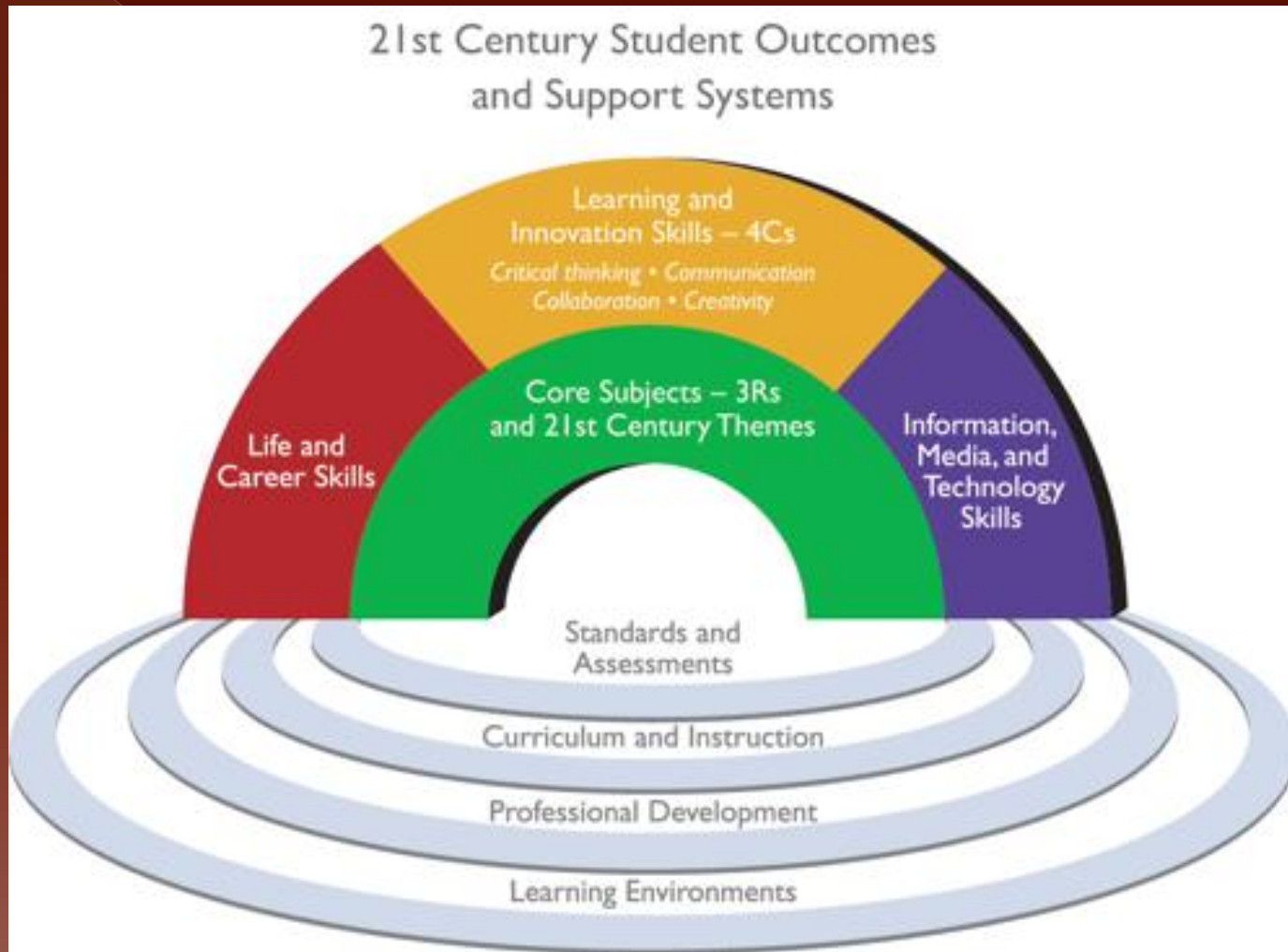
In other words, can students make sense out of it and or does it have a personal meaning for them?



SENSE

This picture makes none

Looks like this...



Another look at

Bloom's Taxonomy

Lesson planning

- Develop a lesson objective that you will be using that incorporates one of the three highest levels of Bloom's Taxonomy.

Example:

- *Students will create a personal essay as part of the college application process.*

Now that you have your objective ..

- Develop activities that will enable students to have to opportunity to:
 - > See a felt need
 - > Have sense and meaning
 - > Incorporate the 21st century skills.

This Afternoon

- We have the beginnings, where do we go?

“School”, “Teacher”, “Learner” and “Curriculum” for the 21st Century

- How should education be structured to meet the needs of students in this 21st century world?
- How do we now define “School”, “Teacher”, “Learner” and “Curriculum”?

This is the direction

- Schools in the 21st century will be laced with a project-based curriculum for life aimed at engaging students in addressing real-world problems, issues important to humanity, and questions that matter.

Schools

- **Schools** will go from 'buildings' to 'nerve centers', with walls that are porous and transparent, connecting teachers, students and the community to the wealth of knowledge that exists in the world."

Teacher

- **Teacher** - From primary role as a dispenser of information to orchestrator of learning and helping students turn information into knowledge, and knowledge into wisdom.

Learner

- **Learner** - In the past a learner was a young person who went to school, spent a specified amount of time in certain courses, received passing grades and graduated. Today we must see learners in a new context:

The New Learner

- **First** – we must maintain student interest by helping them see how what they are learning prepares them for life in the real world.
- **Second** – we must instill curiosity, which is fundamental to lifelong learning.

The New Learner

- **Third** – we must be flexible in how we teach.
- **Fourth** – we must excite learners to become even more resourceful so that they will continue to learn outside the formal school day.”

Now what?

- How can we change what we have in order to address the 21st century skills?
- Can we “think different” like Steve Jobs?

Commercial Time

- With your partner, create a commercial that will sell the 21st century skills initiative.

Resources for 21st Century Skills

- ◎ www.p21.org
- ◎ www.thinkfinity.org