

Overview: 21st Century Competencies and Skills

Policy Analysis

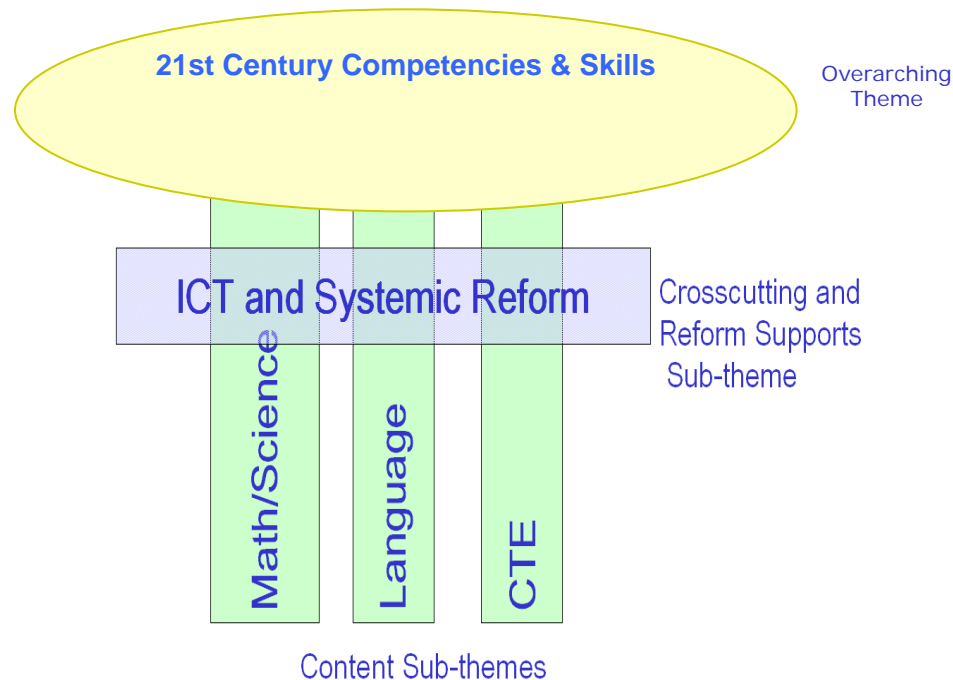
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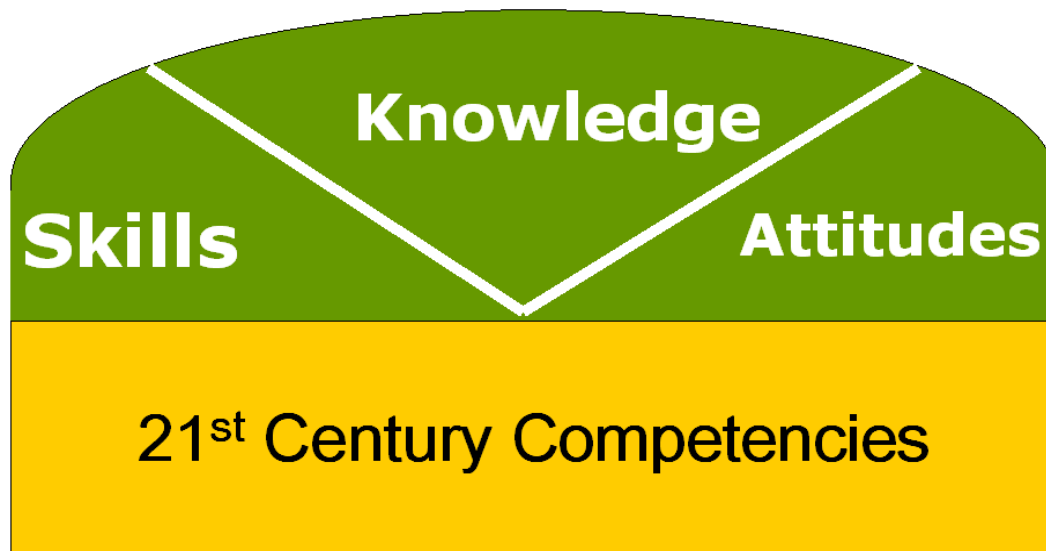
ACHIEVING 21st CENTURY COMPETENCIES AND SKILLS FOR ALL

Background:

3rd APEC Education Ministerial Meeting
“Skills for the Coming Challenges”



WHAT DO WE MEAN BY COMPETENCIES?



THE 4 PILLARS OF A COMPETENCY-BASED EDUCATION

- Learning to Do → Solve daily problems
- Learning to Know → Keep learning
- Learning to Be → Ethically responsible
- Learning to Live Together → Respect for and ability to work with others.

Source: Report presented to UNESCO by the International Commission on Education for the 21st Century "Learning: the treasure within", 1996.



THE COMPETENCIES SURVEY

The purpose of this survey was to discover if APEC economies have:

- Identified a group of 21st century competencies their students must develop and
- Begun to make or actually made changes in their educational systems to incorporate these competencies into teaching and learning



Participating Economies

Economies that answered the survey :

- Australia
- Brunei
- China
- Hong Kong
- Japan
- New Zealand
- Peru
- Chinese Taipei
- Thailand
- United States



MAIN RESULTS



Key competencies and skills

- **Lifelong and self directed learning:** Learn how to learn; command of technologies.
- **Problem solving:** Innovation and creativity; decision making; planning and organizing.
- **Self management:** Critical, reflective and independent thinking.
- **Team work:** Communication; democratic literacy.



COMPETENCIES AND SKILLS FOR EACH CONTENT SUB-THEME

- Mathematics: Thinking; problem solving; decision making.
- Science: knowledge; science process skills; science attitudes and values.
- Foreign language learning: communication skills
- CTE: employability skills; entrepreneurship.
- ICT: life long learning.



METHODOLOGIES THAT ENCOURAGE INTERDISCIPLINARY LEARNING

- Projects
- Research activities
- Activities within the community



REFLECTIONS

- Integral education of a person for succes in life, work, etc.
- Diversity: key element in a globalized world to ensure democratic life, as we learn from each other.
- Teacher training to guarantee the implementation of the proposed changes. Must include the civil society (business sector, family and students themselves)



Websites

- Australia: http://www.mceetya.edu.au/mceetya/the_statements_of_learning,11893.html
- Hong Kong: <http://www.edb.gov.hk>
- New Zealand:
http://nzcurriculum.tki.org.nz/implementation_resources
- Peru: <http://destp.minedu.gob.pe/secundaria/nwdes/pdfs/disenocurricularnacional.pdf>
- Chinese Taipei: <http://www.moe.gov.tw/>
- U.S.A: <http://www.21stcenturyskills.org>



THANK YOU!

