

# Course 1 – Day 2

## Getting to know the 6 Cs

# Why 21st Century skills?



Picture: vulture.com



Picture: mybroadband.co.za

How do you think the world will look like in 30 years time?

# Why 21st century skills?

- The world is facing unpredictable economic, social and environmental challenges.

How to prepare students for a world that doesn't yet exist?

- Education should prepare students for the demand of the society, different roles as adults such as citizens, employees, managers, parents, volunteers and entrepreneurs.



Environmental challenges



Economic challenges



Social challenges

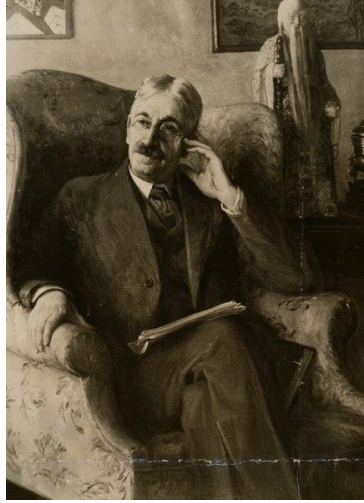
# «The schools of tomorrow has to take a new direction»

Someone once said schools systems need to be:

- more connected to student activity, for example more use of our senses
- more concrete
- see the education as a whole (practical and theoretical tasks are related)
- less abstract and book-based knowledge
- the children and youngsters should be less divided from the adults life and work than today

When and who do you think stated this claims?

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When and who do you think stated this claims?

This was stated in the book «Schools of tomorrow» by the pedagogic Dewey and his daughter Evelyn more than 100 years ago (Dewey and Dewey, 1915, Dewey, 1966)

# Historic thinking on 21st century skills

Before

- John and Evelyn Dewey (1915); «Schools of tomorrow»

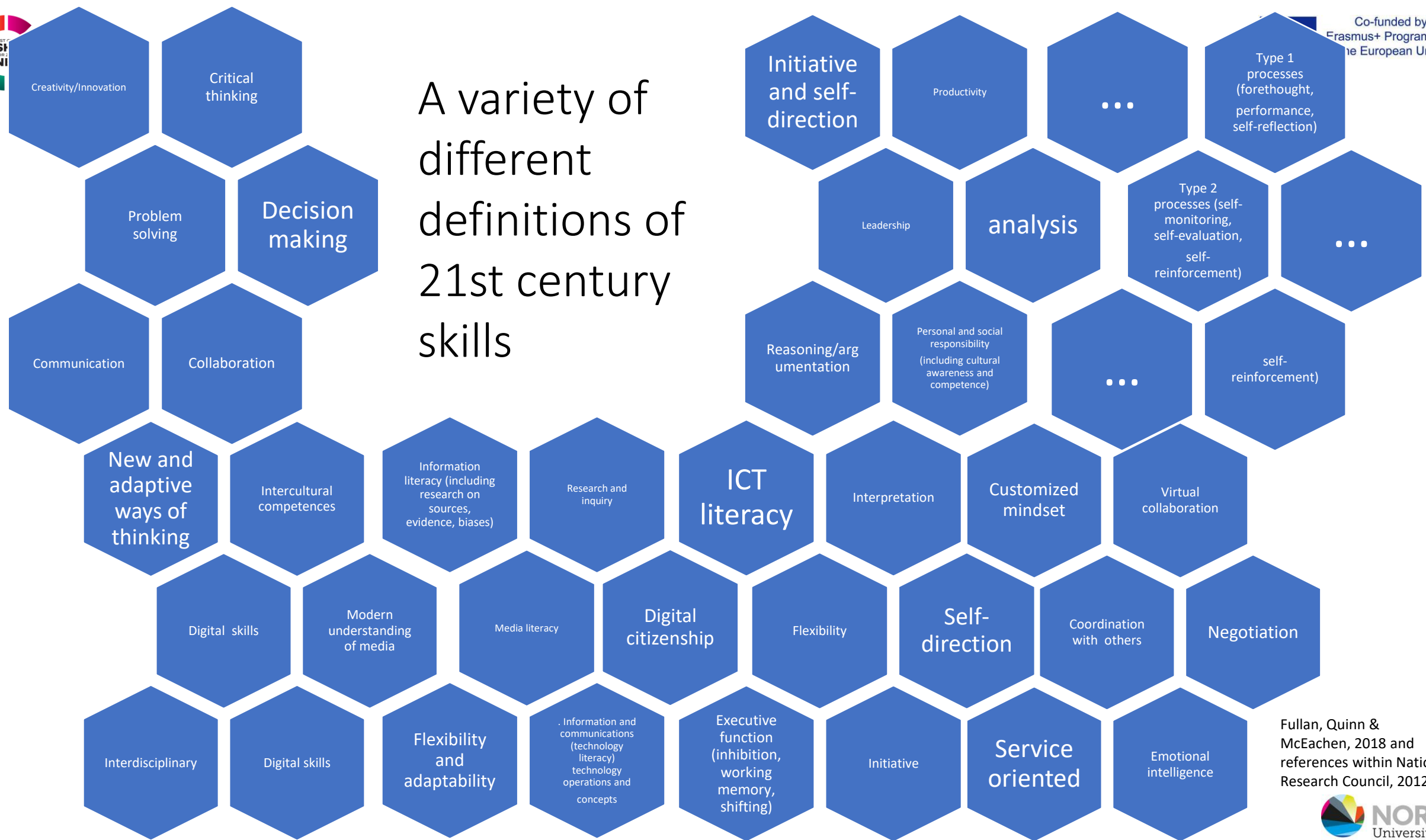
Today:

- traditional schools are not experienced as engaging
- traditional schools are experienced as less relevant and the role of education is less certain
- students feel hopelessness, difficulty finding direction and one's role in the world and anxiety for an unpredictable future (Fullan, Quinn & McEachen, 2018)

**Do we still have the same understanding  
of the education 100 years after Dewey?**



# A variety of different definitions of 21st century skills



Fullan, Quinn &  
McEachen, 2018 and  
references within National  
Research Council, 2012.

# Three broad domains of skills





### 3. Group work assignment

#### - Placing skills into the three domains

- Work in groups
- Using the three hats and the different skills given; discuss the skills and place them in the appropriate «hats of domain»
- Discuss: Is it easy or difficult? Overlap between skills? Skills that are difficult to interpret the meaning of?

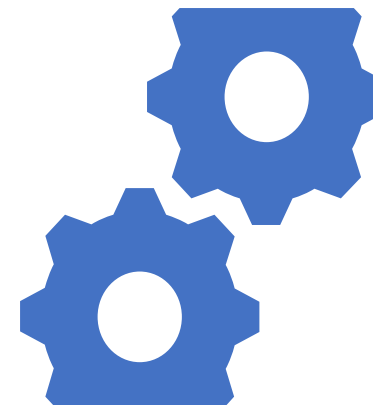




Character



Citizenship

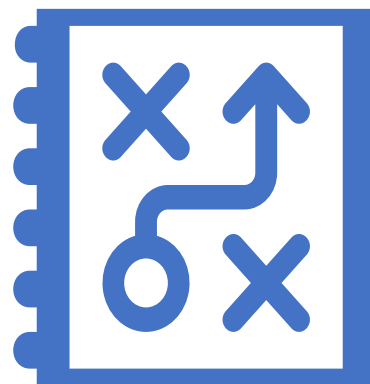


Collaboration

6 Cs of education



Communication



Creativity



Critical thinking

## 4. Group work assignment

### - Placing skills into the 6 Cs

- Work in groups
- Using six hats and the different skills given; discuss the skills and place the cards in the appropriate «hats of 6 Cs»
- Discuss: Is it easy or difficult? Overlap between skills? Skills that are difficult to interpret the meaning of?



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# Developing transferable knowledge and skills in the 21st century

Two views of 21st century skills:

## 1. Skills as general skills

- applied to a range of different tasks in various academic, civic, workplace, or family contexts.

## 2. Skills as dimensions of expertise specific to- and intertwined with- knowledge within a particular domain of content and performance

- skills and knowledge are intertwined therefore use the concept competencies rather than skills.

References within National Research Council (2012).



Picture: Pixabay.com

- “Deeper learning”: The process through which an individual becomes capable of taking what was learned in one situation and applying it to new situations → transfer
- Product of deeper learning: transferable knowledge

