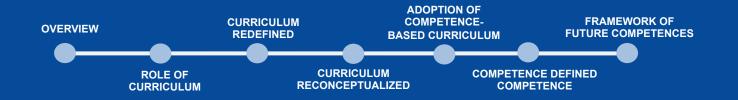
# THE FUTURE OF CURRICULUM:

TRANSFORMING TEACHING, LEARNING AND ASSESSMENT





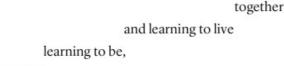
# 1. DEVELOPMENT-RELEVANCE OF EDUCATION AND LEARNING

- Universal recognition of the development-relevance of education
- Development conceptualized as holistic, equitable, inclusive, just, and sustainable
- SDG consistent with broad concept of development
- Education & learning systems should respond to development contexts
- At the same time, they should lead positive change in their development contexts
- All Member States aim to improve their development-relevance of their education and learning systems (diverse policy instruments attest this)
- Yet, it's rare to find Member States content with the relevance of their systems



# 2. ROLE OF CURRICULUM

- Curriculum is a potent tool for giving effect to policies on development-relevance of education
- Attaining and sustaining relevance (R&R) in 21st C. and Industry 4.0 a key challenge
- Curriculum 'should' drive teaching, learning, and assessment [SDG4]
- Current conceptualizations limit the potential contribution of curriculum
- IBE calls for a reconceptualizing curriculum for the 21st century and for Industry 4.0
- Most dimensions of this reconceptualization imply a repositioning of curriculum



learning to do,

learning to learn,





# A PARADIGM SHIFT FOR CURRICULUM

# 3. CURRICULUM REDEFINED

• A dynamic and transformative articulation of collective expectations of the purpose, quality, and relevance of education and learning to holistic, inclusive, just, peaceful, and sustainable development, and to the wellbeing and fulfillment of current and future generations.



# 4. CURRICULUM RECONCEPTUALIZED

- The first operational tool for ensuring the sustained development-relevance of education and learning systems
- A catalyst for innovation, disruption, and social transformation
- · A force for social equity, justice, cohesion, stability, and peace
- An integrative core of education systems
- · An enabler of lifelong learning
- A determinant of the quality of education and learning
- A determinant of key cost drivers of education and learning syst
- A lifelong learning system in its own right







# OPERATIONALIZING THE FIRST DIMENSION OF THE NEW PARADIGM

# 5. ADOPTION OF COMPETENCE-BASED CURRICULUM

- Contextual grounding
- Learner and learning centeredness
- Emphasis on teaching
- High mastery of content
- Emphasis on trans-disciplinarity
- Emphasis on application
- Emphasis on outcomes or impact
- Careful consideration of curriculum structure and sequence





# 6. COMPETENCE DEFINED COMPETENCE

- The developmental capacity to interactively mobilize and ethically use information, data, knowledge, skills, values, attitudes, and technology to engage effectively and act across diverse 21st century contexts to attain individual, collective, and global good.
- · Acquisition of discrete knowledge, skills, values, etc. critical but not sufficient
- Learners must intelligently make connections across elements of a competence, integrate, and interactively apply them to respond to contextual demands as well as to change their contexts. What learners learn is necessary but no longer sufficient.
- What is most critical is how they can apply what they learnt across fast-changing, unpredictable, and even disruptive contexts of the 21st century in general and Industry 4.0 in particular. It is whether learners can use what they have learnt to demonstrate adaptability, agility to adapt, and resilience.





# FRAMEWORK OF FUTURE COMPETENCES



# FRAMEWORK of FUTURE COMPETENCES

A definition of competence

CONSTITUENT ELEMENTS

INFORMATION

DATA

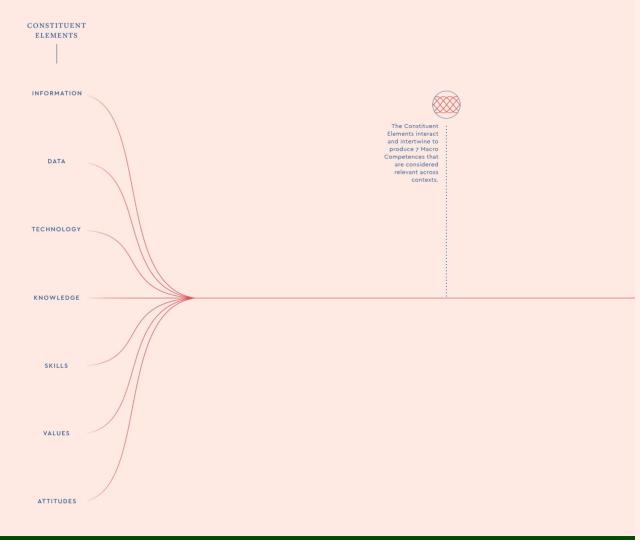
TECHNOLOGY

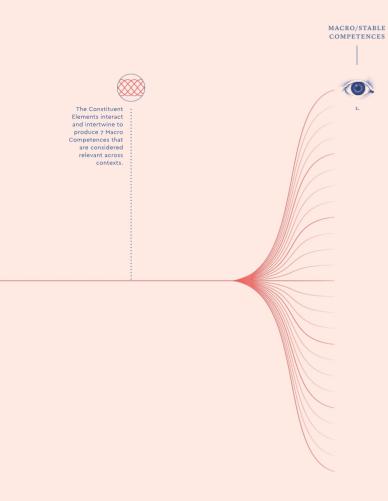
KNOWLEDGE

SKILLS

VALUES

ATTITUDES





1 Lifelong learning Curiosity Creativity Critical thinking







Lifelong learning

Curiosity Creativity Critical thinking

2

Self-agency

Initiate/Drive/Motivation Endurance/Grit/Resilience Responsibility







#### Lifelong learning

Curiosity Creativity Critical thinking

#### 2

#### Self-agency

Initiate/Drive/Motivation Endurance/Grit/Resilience Responsibility

#### 3

#### Interactively using diverse tools and resources

Impactful use of resources Efficient use of resources Responsible consumption









#### Lifelong learning

Curiosity Creativity Critical thinking

#### 2

#### Self-agency

Initiate/Drive/Motivation Endurance/Grit/Resilience Responsibility

#### -

#### Interactively using diverse tools and resources

Impactful use of resources Efficient use of resources Responsible consumption

#### 4

#### Interacting with others

Teamwork Collaboration Negotiation

4





#### Lifelong learning

Curiosity Creativity Critical thinking

#### 2

Self-agency Initiate/Drive/Motivation

Endurance/Grit/Resilience Responsibility

#### 2

Interactively using diverse tools and resources

Impactful use of resources Efficient use of resources Responsible consumption

#### 4

Interacting with others

Teamwork Collaboration Negotiation

Interacting in and with the world

Being local and global Balancing rights with privileges Balancing freedoms with respect

### MACRO/STABLE COMPETENCES



The Constituent
Elements interact
and intertwine to
produce 7 Macro
Competences that
are considered
relevant across
contexts.

#### Lifelong learning

Curiosity Creativity Critical thinking

#### 2

#### Self-agency

Initiate/Drive/Motivation Endurance/Grit/Resilience Responsibility

#### 2

#### Interactively using diverse tools and resources

Impactful use of resources Efficient use of resources Responsible consumption

#### 4

#### Interacting with others

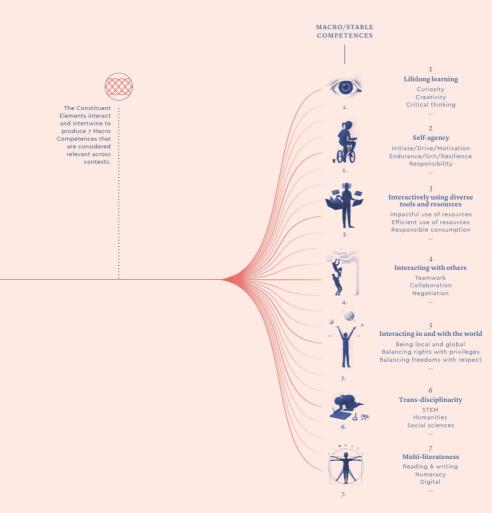
Teamwork Collaboration Negotiation

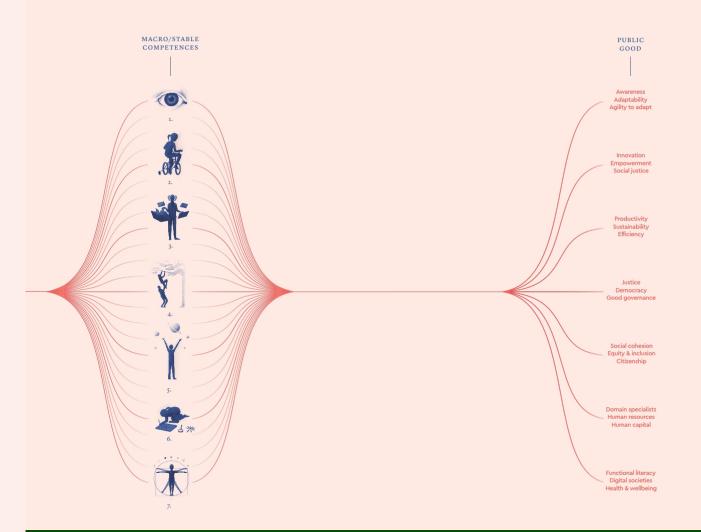
#### Interacting in and with the world

Being local and global Balancing rights with privileges Balancing freedoms with respect

#### Trans-disciplinarity

STEM Humanities Social sciences





## 7. FRAMEWORK OF FUTURE COMPETENCES

Constituent elements	Macro/stable	Micro/adaptable competences	Individual, collective &	
of a competence	competences		public good	
		Metacognition	Awareness	
		Curiosity	Adaptability	
		Creativity	Agility	
Information	Lifelong Learning	Critical thinking	Relevance	
		Communication	Currency	
		Problem solving	Learning organizations	
		Reflection	Learning societies	
Data		Innovation		
		Initiative	Productivity	
		Drive/Motivation	Sustainable lifestyles	
Technology		Endurance/Grit/Resilience	Sustainability	
. comiciogy		Responsibility	Efficiency	
	Self –agency	Entrepreneurship		
		Accountability		
Knowledge		Self-management		
Kilowieuge		Exercising rights and freedoms		
		Self-respect /Self-value		
Skills		Impactful use of resources	Productivity	
SKIIIS	Interactively using diverse	Efficient use of resources	Sustainable lifestyles	
	tools and resources	Responsible consumption	Sustainability	
		Interfacing with tools	Efficiency	
Values				
Values		Teamwork	Social cohesion	
		Collaboration	Equity and inclusion	
	Interacting with others	Negotiation	Productivity & growth	
		Leadership	Citizenship	
Attitudes		Followership		
		Conflict management		
		Respect for others		
		•		

A Framework of Future Competences						
Constituent elements	Macro/stable	Micro/adaptable competences	Individual, collective & public			
of a competence	competences		good			
Information Data	Interacting with the World	Balancing rights with responsibilities Balancing rights with privileges Balancing freedoms with respect Balancing power with restraint Being local and global Environmental custodianship Global awareness	Justice Democracy Good governance Global Peace & Reconciliation Safety and security Equity and inclusion Sustainability Global citizenship			
Technology  Knowledge  Skills	<b>Multi-literateness</b>	Reading and writing Numeracy Digital Data Technological Coding Media Financial Cultural Health	Basic literacy Functional literacy Digital societies Literate & informed societies Health & wellbeing Fiscal responsibility Technology savvy Literate societies Multiculturalism			
Values  Attitudes	Trans-disciplinarity	STEM Arts Humanities Social Sciences World Religions Languages Vocations	Domain specialists Human capital Enhanced service delivery Productivity & Growth Efficiency Competitiveness			



United Nations Educational, Scientific and Cultural Organization







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