

World of Education 2035

GLOBAL CHALLENGES

Accelerating growth of complexity (including future risk of self-organized technological systems becoming non-comprehensible by human mind)

Effects of Anthropocene: global existential, environmental, economic and political risks

Rise of network society and emergence of supranational communities & governance systems (possible transition to wisdom-based society?)

EDUCATION

Emergence of "billion student university" platforms (governed via Declaration of learner rights and meta platform standards)

Game universes as a type of global learning platforms

Rise of digital pedagogy

Personalized learning & career pathways for everyone

Agency based on global online platforms for global problem solving

Global content crowdsourced in real time within global knowledge ecosystem

Independent global certification systems for knowledge & skills

FUTURE SKILLS

Concentration / attention management

Information hygiene

Clarity of understanding & communication

Empathy

Green thinking (including non-overconsumption)

Working & living in multicultural / multidisciplinary environments (+ emerging new 'lingua franca' - based on system engineering & economics?)

FUTURE ECONOMY & SOCIETY

Mass scale production by highly autonomous (cyberphysical) manufacturing systems

Digitalized massive use services (digital health, education, entertainment, autonomous transport, post-retail)

NBICSR convergence and rise of NeuroWeb

Increased role of knowledge work

Green production / energy / services

Rise of new finance (crowd, crypto, ...)

Decline of traditional governments

Transition of power towards of Asia / BRICS

Growth of multiculturalism

NEW TEACHER SKILLS

Blended pedagogy

Collaborative and connected pedagogy

Gamification

Project-based pedagogy

Coaching/ mentoring

Holistic teaching

Entrepreneurship

21st CENTURY LEARNER



Self-guided

Learning everywhere all the time

Whole person learning (with focus on existential skills)

Ability to unlearn / relearn

KEY WORKER SKILLS

Design & maintenance of socio-technical systems (including Internet of Things and Artificial Intelligence)

System thinking and complex problem solving

Collaboration

Shift from traditional educational institutes to learning communities (Evolutionary Learning Communities as 'hubs' of urban learning & living)

Shift of decision making to students: student voice+choice

Local educational providers integrated to personalized learning "pathways" (which are also physical pathways)

Urban public spaces become educational (including use of Augmented Reality)

Community health as a focus of community learning

Family community learning

Formats for urban problem solving: fablabs, hackathons, pop-up entrepreneurship etc.

Working & living in VUCA environments

Creativity for unique products and services

Co-creation (of products, services, events, ...)

Ethics of human work & serving (the community)

Urban skills around green, healthy, connected city living

Skills for holistic health

Peacemaking and mediation skills

"Digital Athens": robotics and smart environment gradually replace human urban workers

Cities help create natural environment and reduce effects of climate change

Customized localized end-user manufacturing (based on 3D manufacturing) and food production (urban farming)

Customized highly personalized services (wellness, sports and fitness, hospitality, entertainment, education ...)

'Ludic' communities that naturally blend working, living, play, and creativity

21st CENTURY SOCIETY VALUES

OPENNESS

Open technology, content, and knowledge

Openness of cultures and beliefs

WHOLENESS

Recognition of Apollonian (rational) and Dionysian (intuitive)

Health, love and 'intrinsic values'

SUSTAINABILITY

Intra-personal

Inter-species

Inter-personal

Inter-generational

EMBRACING COMPLEXITY