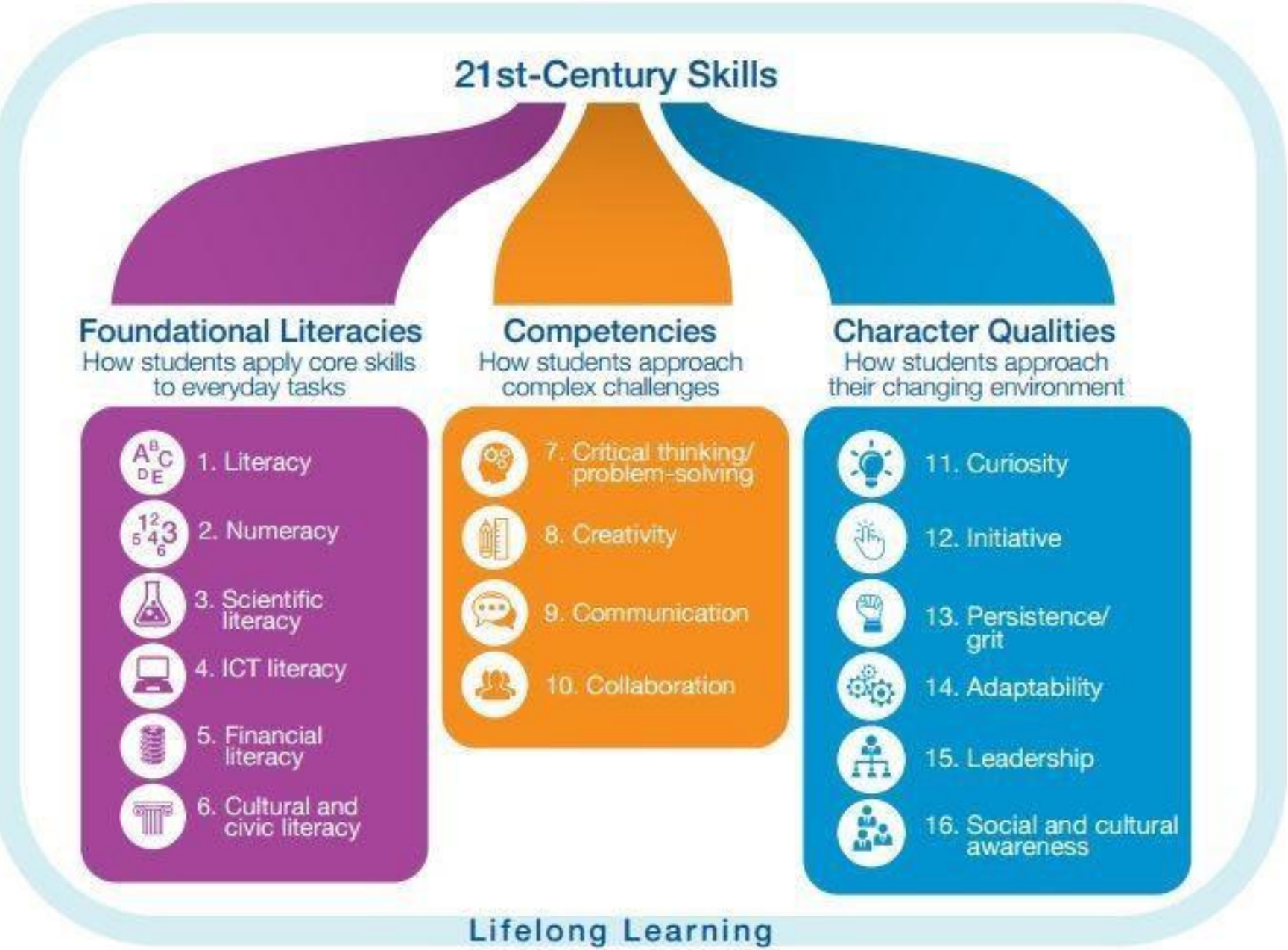
Academic STUDIO

Applying design thinking in High Education

Prof. Ezri Tarazi
Chair of Industrial Design advance program
Faculty of Architecture and Town Planning
Technion

bit 1: Students require 16 skills for the 21st century



ICT stands for information and communications technology.

Top 10 skills

in 2020

1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility

Source: Future of Jobs Report, World Economic

Exhibit 3: A variety of general and targeted learning strategies foster social and emotional skills

HOW?

The STUDIO:

Gathering
Observing
Searching
Working
Creating
Prototyping
Brainstorming
Experimenting
Trying new
Mixing
Mingling
Planning
Executing

STUDIO:

Presenting
Critical thinking
Reflection
Review by peers
Concept Skills

STUDIO:

Creative leadership
Spatial Coherence
Future trends forecast
Need hunting and finding
Social Empathy
Emotional sensitivity
Ethical stability
Sustainable awareness
Self Ego Management
Team Flow
Design Thinking

SKILLS IN DESIGN THINKING PROCESS

1. COMPLEX PROBLEM SOLVING
2. CRITICAL THINKING
3. CREATIVITY
4. PEOPLE MANAGEMENT
5. COORDINATING WITH OTHERS
6. EMOTIONAL INTELLIGENCE
7. JUDGMENT AND DECISION MAKING
8. SERVICE ORIENTATION
9. NEGOTIATION
10. COGNITIVE FLEXIBILITY

- NEED FINDING
- QUETIONING THE NOW
- IDEATION
- TEAMWORK
- STAKEHOLDERS AND TEAM
- EMPATHY TO THE USER
- CONCEPT GENERATION AND GATES
- ECO-SYSTEM DESIGN
- APPLICATION PROCESS
- VALIDATION AND PIVOT