



筑波大学  
University of Tsukuba



# SEAMEO-The University of Tsukuba Symposium IX

*Theme: Resilience for Global Citizenship*

*Sub-Theme: Challenges in Education under COVID-19*

## Early Childhood Education and Family Education as the Foundation of Individual Resilience: Lesson Learn from Covid -19 Pandemics

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SEAMEO CECCEP

Virtual

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# **21st Century Characteristics**

- 1. Borderless world**
- 2. Inter-countries mobility**
- 3. Rapid flow of information**
- 4. More hybrid culture**
- 5. Multicultural society**
- 6. Interactions between local and global values**

# Double Disruption

21st Century Characteristics + Covid – 19 Pandemics

Creates

Opportunities + Toughness = Resilience

- Resilience is the ability to withstand threats or shocks, or the ability to adapt to new livelihood options, in ways that preserve integrity and that do not deepen vulnerability. The resilience of a household is related to the available resources (e.g. financial, assets, human capital, social resources etc.) and household's ability to use these resources (e.g. access to markets, access to public services and social protection). (UNICEF, 2017)
- Studies on resilience show that human beings can foster strengths and coping abilities that allow them to transform crisis situations into opportunities. (World Bank, 2013)



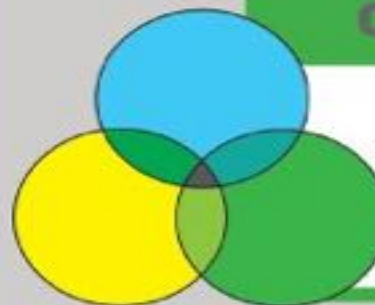
# 21st Century Skills

## Metro 4Cs Rubric Performance Areas



### Critical Thinking

- Information & Discovery
- Interpretation & Analysis
- Reasoning
- Constructing Arguments
- Problem Solving
- Systems Thinking



### Collaboration

- Leadership & Initiative
- Cooperation
- Flexibility
- Responsibility & Productivity
- Collaborate Using Digital Media
- Responsiveness & Constructive Feedback



### Communication

- Effective Listening
- Delivering Oral Presentations
- Communicate Using Digital Media
- Engaging in Conversations & Discussions
- Communicating in Diverse Environments

#### Writing to:

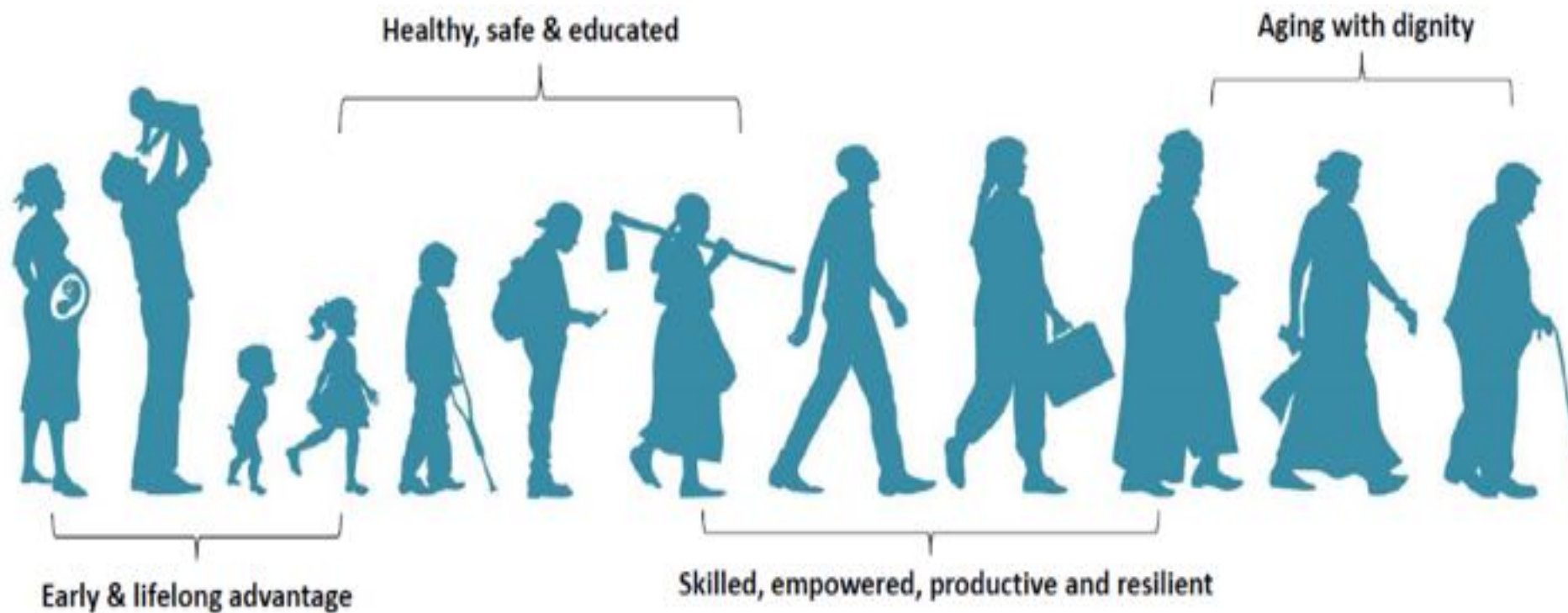
- Inform
- Support an Argument With Claims
- Engage and Entertain



### Creativity

- Idea Generation
- Idea Design & Refinement
- Openness & Courage to Explore
- Work Creatively with Others
- Creative Production & Innovation

# From Womb to Tomb



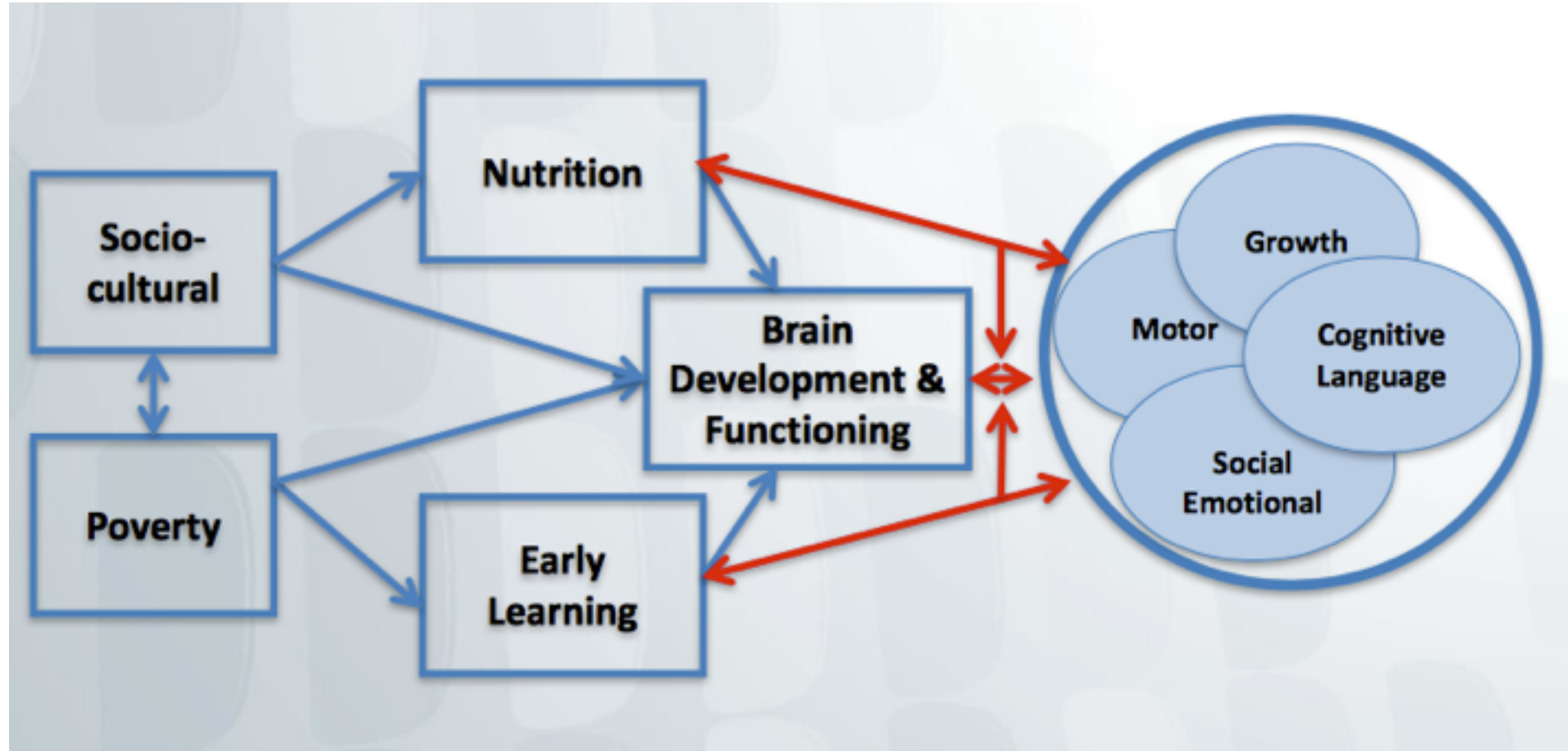
Sumber: Statista, 2018

# 8 Functions of Family





# Development Framework of Early Childhood





# ECCE as Country's Investment

## Walter Mischell and Ebbe Ebbesen, 1970:

- Marsmellow Test – *delayed gratification*

## James Heckman Economic Noble Winner, 2000:

- Developing cognitive skills, social skills, and health as early as possible – from birth to 5 years old; non-cognitive variable (soft skills) as a parameter of success in life; self-regulation skills. Facing pressure, delaying gratification, resiliency against boredom, tendency in making plans.
- The importance of investment in education for whole family, especially vulnerable families to get access equality towards early childhood development.

# The Benefits of Having High Quality Early Childhood Education



James Heckman on Gender Effects

Providing low-income families with high quality childcare results in:

REDUCED SOCIAL COSTS   STRONGER FAMILIES   HIGHER ACHIEVEMENT   STRONGER NATIONAL ECONOMY

Quality matters in early childhood education. Learn more.

Providing high quality ECE for low-income families:

- Reduce social costs
- Stronger families
- Higher achievement
- Stronger national economy

Stress on the low-income

- damaging children's brain development, even before birth.
- children's brain from poor families is shrinking 6 percent since birth.

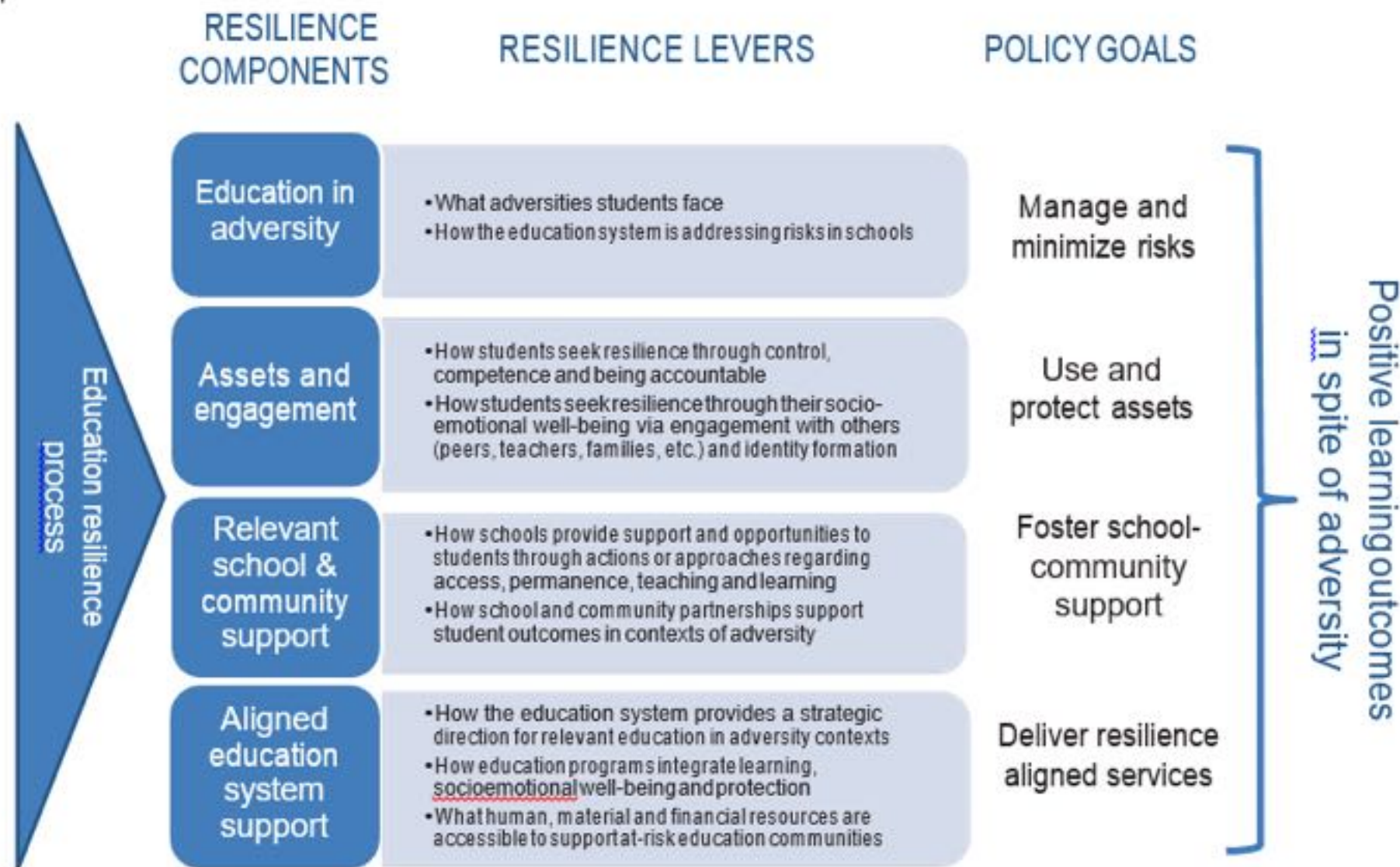
Source: Heckman, 2010



*“No one is born a good citizen; no nation is born a democracy. Rather, both are processes that continue to evolve over a lifetime. Young people must be included from birth. A society that cuts off from its youth severs its lifeline.*

*Kofi Annan*









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Thank You