



HANDONG  
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School of  
Education

**Lecture 4**

Spring 2024

# C-EDUC2: Technology for Teaching and Learning 1

**Dexter M. Balajadia, LPT, Ph.D.**

Professor / Lecturer

## Lecture 4

# Digital Literacy and Skills for Educators



*Image 1 Information literacy: Learning to spot what is and what isn't online (Source: Pangalangan, 2021: Online)*

## What does this image signify?



**Image 2:  
The digital  
world we  
want  
(Source:  
OECD,  
2017:  
Online)**



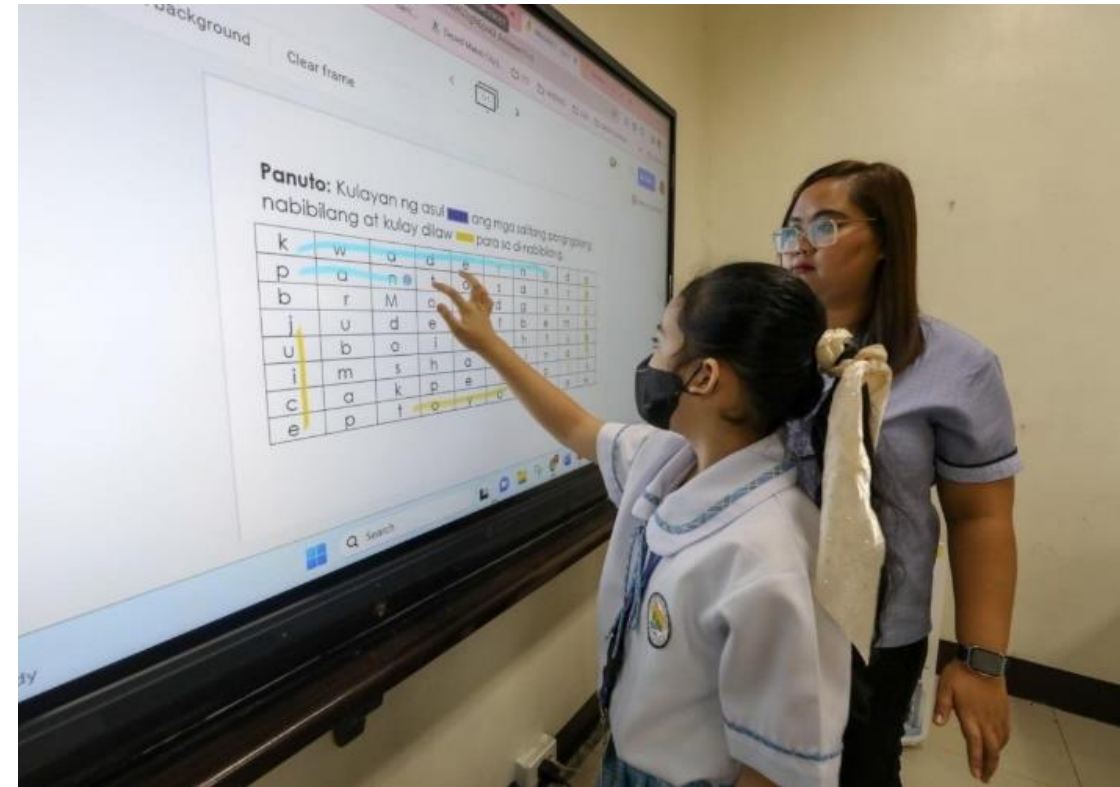
**Let's think about this.**

**Who is a digitally literate person?**

## Looking back at LECTURE 3

**The use of relevant tools enhances experiential learning by diversifying experiences and scaffolding knowledge acquisition across levels of abstraction.**

**Integrating technology, pedagogy, and content knowledge adds meaning to the teaching and learning experiences.**



**Image 3: How smart classrooms are revolutionizing education in Makati City (Source: Doctolero, 2024: Online)**



## **Lecture Objectives**

- 1. To explain the technology, information, and media literacy skills that every Filipino learner is envisioned to develop in the K-12 curriculum; and,**
- 2. To determine the 21st-century digital and information literacy and skills expected of every Filipino teacher handling K-12 learners.**



## **Topic 1**

# **K-12 Technological and Digital Learning Skills**

## 1. K-12 Technological and Digital Learning Skills



- Access and evaluate information
- Apply technology effectively
- Analyze media tools
- Create media tools

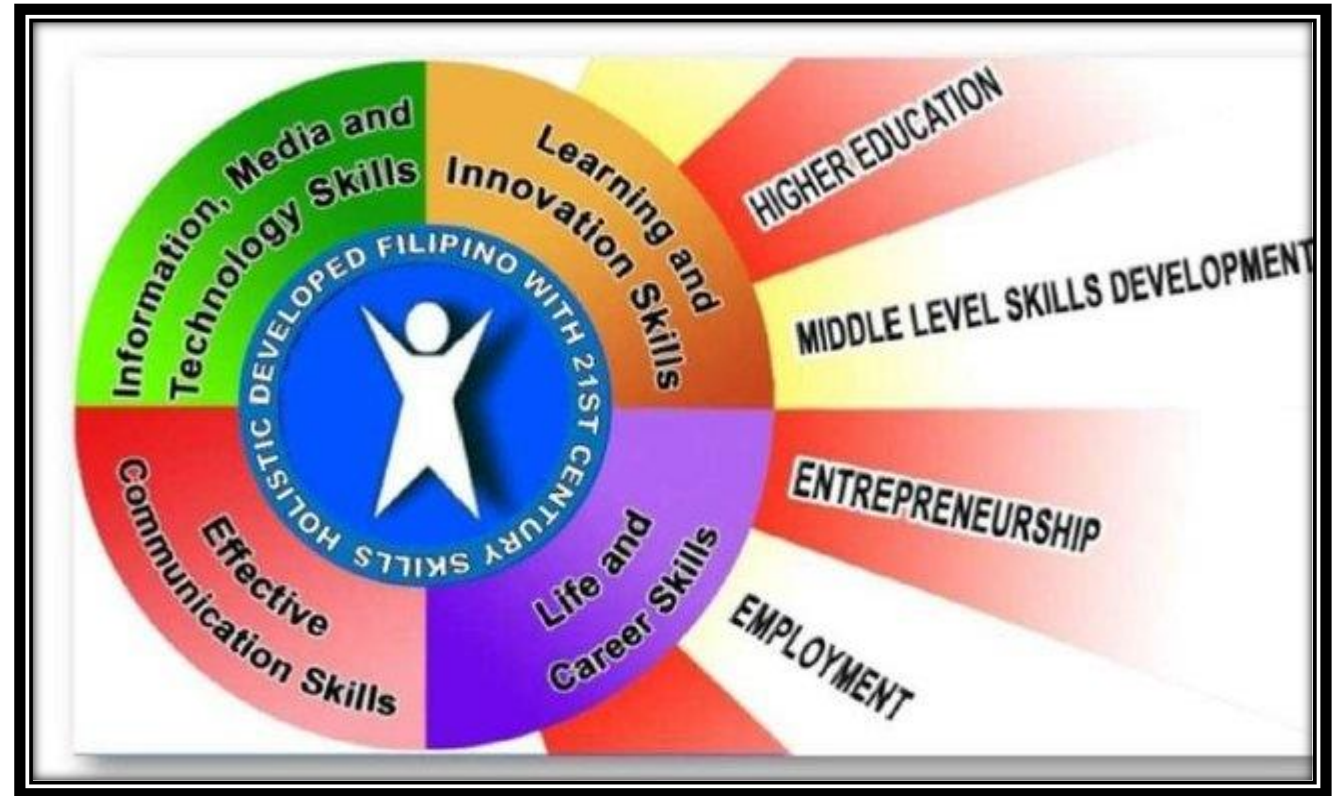


Image 4: 21<sup>st</sup>-Century Skills in Teaching Economics: K to 12 Spiral Instructional Modelling (SIM) in the Philippines (Source: Inocian, 2015: Online)

## 1. K-12 Technological and Digital Learning Skills



- Access and evaluate information
- Apply technology effectively
- Analyze media tools
- Create media tools



**Digital  
Literacy**

## 1. K-12 Technological and Digital Learning Skills

# Digital Literacy

Critical Thinking & Problem-Solving Skills

Digital Creativity & Innovation Skills

Information & Media Literacy Skills



## 1. K-12 Technological and Digital Learning Skills

# Critical Thinking & Problem-Solving Skills

- Visualizing problems at differing angles
- Fostering resilience in complex circumstances
- Trying out alternatives based on empirical proofs

## 1. K-12 Technological and Digital Learning Skills

# Digital Literacy

Critical Thinking & Problem-Solving Skills

Digital Creativity & Innovation Skills

Information & Media Literacy Skills



## 1. K-12 Technological and Digital Learning Skills

### Digital Creativity & Innovation Skills

- Making tools work for people
- Fostering a culture of originality and inventiveness
- Creating solutions that improve social standards

## 1. K-12 Technological and Digital Learning Skills

# Digital Literacy

Critical Thinking & Problem-Solving Skills

Digital Creativity & Innovation Skills

Information & Media Literacy Skills



## 1. K-12 Technological and Digital Learning Skills

### Information & Media Literacy Skills

- Obtaining, assessing, and utilizing information efficiently
- Engaging people in the practical and ethical use and production of information media

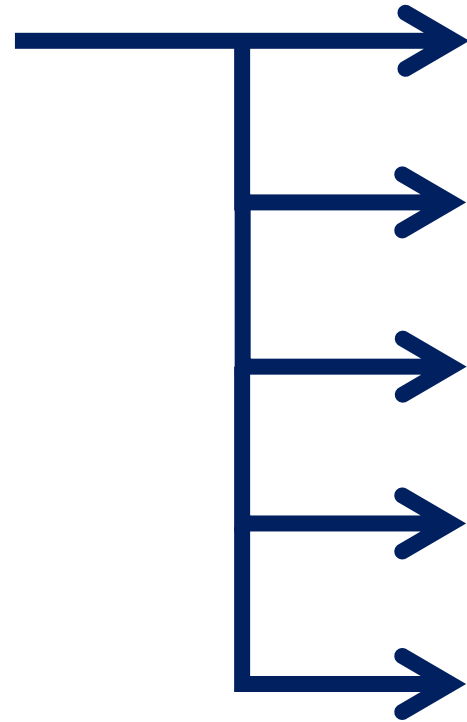


## **Topic 2**

# **K-12 Technology and Information Skills for Teachers**

## 2. K-12 Technology and Information Skills for Teachers

# Digital Skills



Technical proficiency

Adaptability

Comprehensive Thinking

Curricular Creativity & Innovation

Digital Citizenship



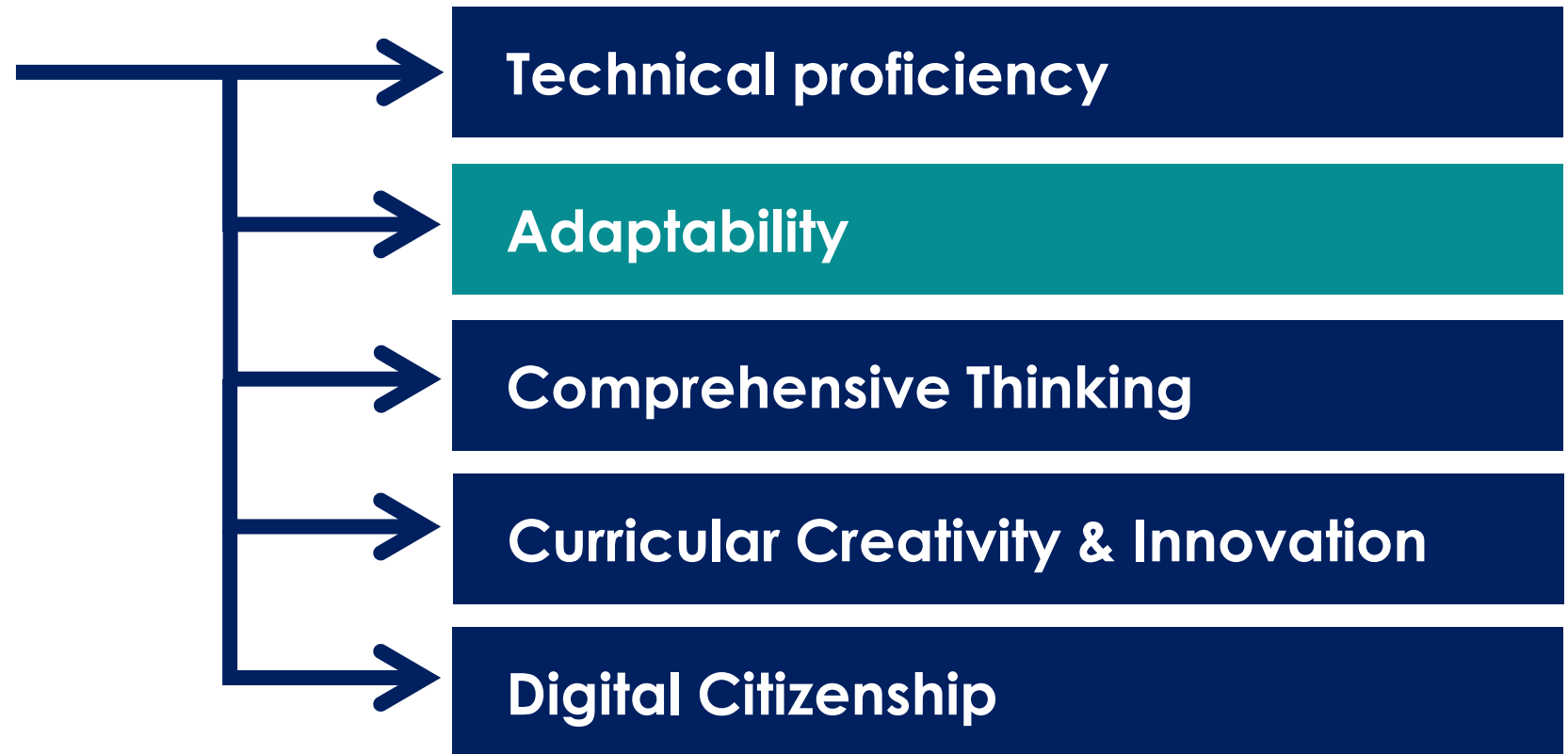
## 2. K-12 Technology and Information Skills for Teachers

### Technical Proficiency

- Practical dexterity on digital applications
- Incorporation of digital and online tools into the teaching-learning processes
- Ability to convert information into useful tools

## 2. K-12 Technology and Information Skills for Teachers

# Digital Skills





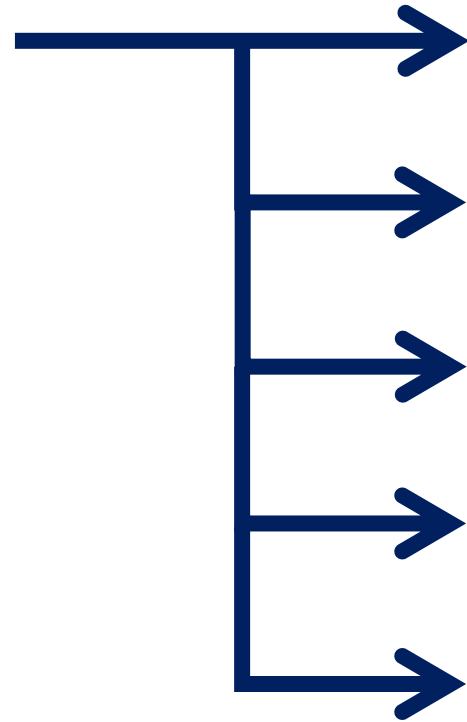
## 2. K-12 Technology and Information Skills for Teachers

### Adaptability

- Receptive to investigating novel technologies
- Constant search for better and more relevant technological resources
- Continuous professional teaching development

## 2. K-12 Technology and Information Skills for Teachers

# Digital Skills



Technical proficiency

Adaptability

Comprehensive Thinking

Curricular Creativity & Innovation

Digital Citizenship



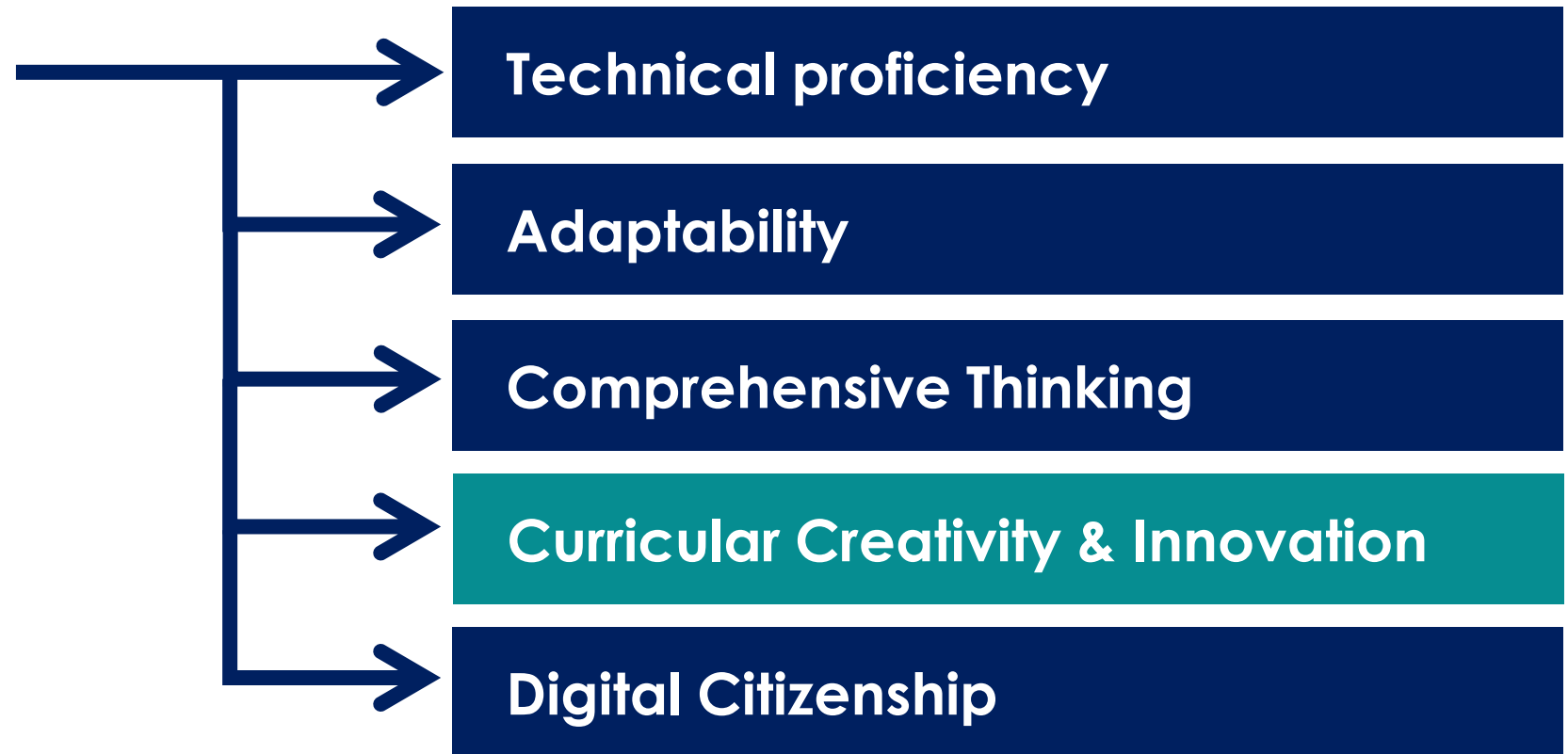
## 2. K-12 Technology and Information Skills for Teachers

### Comprehensive Thinking

- Visualizing the whole concept on top of being analytical and critical
- Exercising transformational leadership by engaging people and collaborating with them

## 2. K-12 Technology and Information Skills for Teachers

# Digital Skills





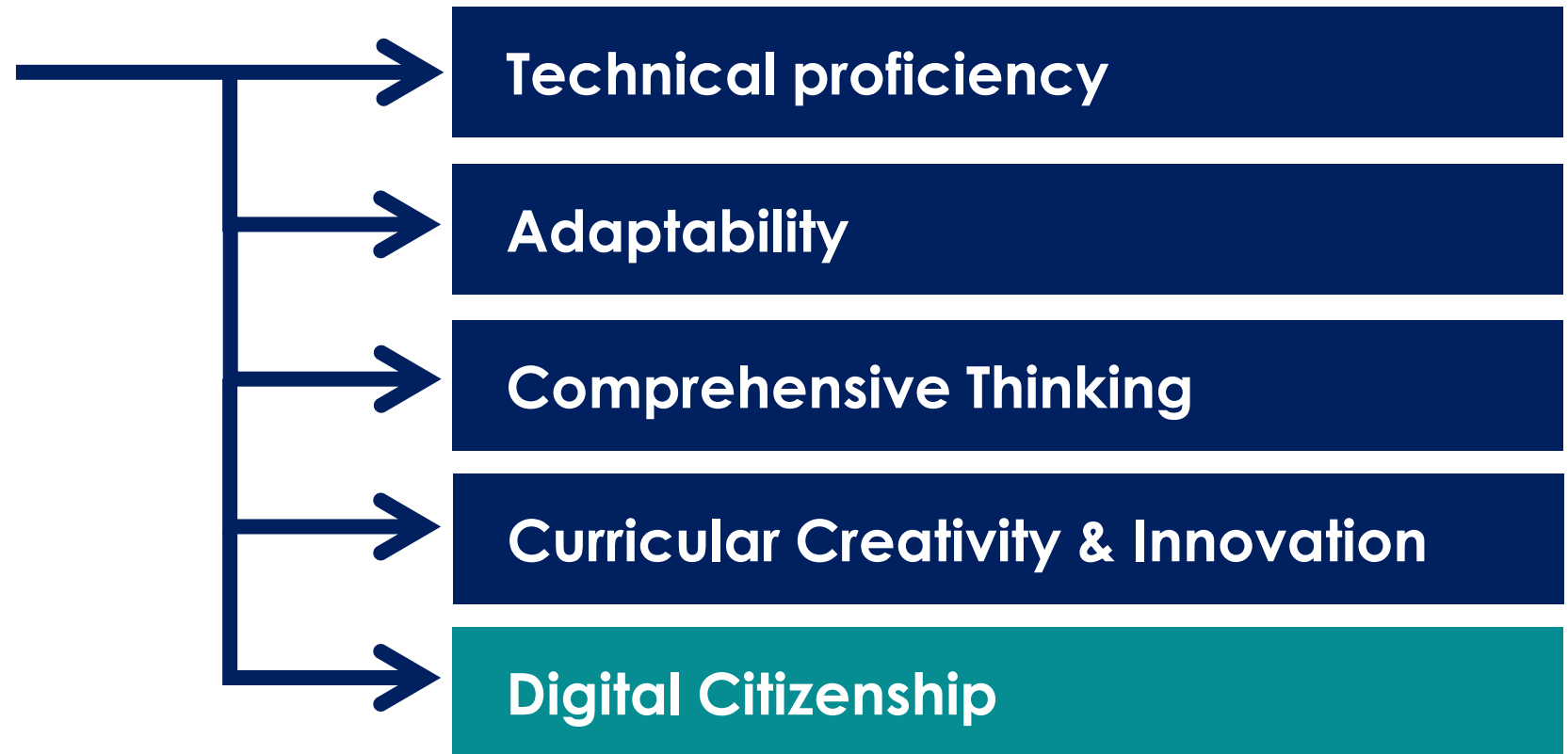
## 2. K-12 Technology and Information Skills for Teachers

### Curricular Creativity and Innovation

- Seamless inclusion of technological tools in the content, pedagogy, and student behaviors
- Making students create new knowledge over the curricular contents

## 2. K-12 Technology and Information Skills for Teachers

# Digital Skills





## 2. K-12 Technology and Information Skills for Teachers

### Digital Citizenship

- Obtaining, assessing, and utilizing information efficiently
- Engaging people in the practical and ethical use and production of information media



## 2. K-12 Technology and Information Skills for Teachers

**Social  
Innovation**

**SUSTAINABILITY**

**Information  
Management**

**Utilization of  
Tools and Apps**

**Digital  
Pedagogy**

**Student  
engagement**

**Collaboration**



## **Lecture 4: CONCLUSIONS**

**The digital and information literate educator can adapt to the ever-shifting digital landscape, effectively use technology in the classroom, promote critical thinking and creativity, and help students learn to be responsible and ethical in consuming and producing knowledge.**



## References

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<https://pia.gov.ph/features/2024/01/30/how-smart-classrooms-are-revolutionizing-education-in-makati-city>
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[https://www.researchgate.net/publication/283083172\\_21st\\_Century\\_Skills\\_in\\_Teaching\\_Economics\\_K\\_to\\_12\\_Spiral\\_Instructional\\_Modelling\\_SIM\\_in\\_the\\_Philippines/figures](https://www.researchgate.net/publication/283083172_21st_Century_Skills_in_Teaching_Economics_K_to_12_Spiral_Instructional_Modelling_SIM_in_the_Philippines/figures)



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