



HANDONG
UNITWIN
FELLOWSHIP



School of
Education

Lecture 13

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C-EDUC2: Technology for Teaching and Learning 1

Dexter M. Balajadia, LPT, Ph.D.

Professor / Lecturer

Lecture 13



Technology- Driven Teaching and Learning

Image 1: What parents need to know as kids' education becomes digital in new normal (Source: Valdez, 2020: Online)

Looking back at LECTURE 12

*Image 2: Global
Competence -
The New Centre
of Teaching and
Learning (Source:
Nancarrow, 2021:
Online)*



Attuning teaching and learning to make students future-ready

Looking back at LECTURE 12

Global citizens are well-versed in the world and how they fit within it. They can be considered a global citizen when they have engaged members of society who collaborate with others to make the world a better, more equitable place.



Image 3: *Global Citizenship Education: Taking it local*
(Source: UNESCO: Education 2030: Online)

Looking back at LECTURE 12



Embracing differences, fostering inclusivity,
and valuing unique perspectives.

Unity, mutual support, shared goals,
collective strength

Recognizing common bonds, valuing
everyone, fostering empathy together.



Looking back at LECTURE 12



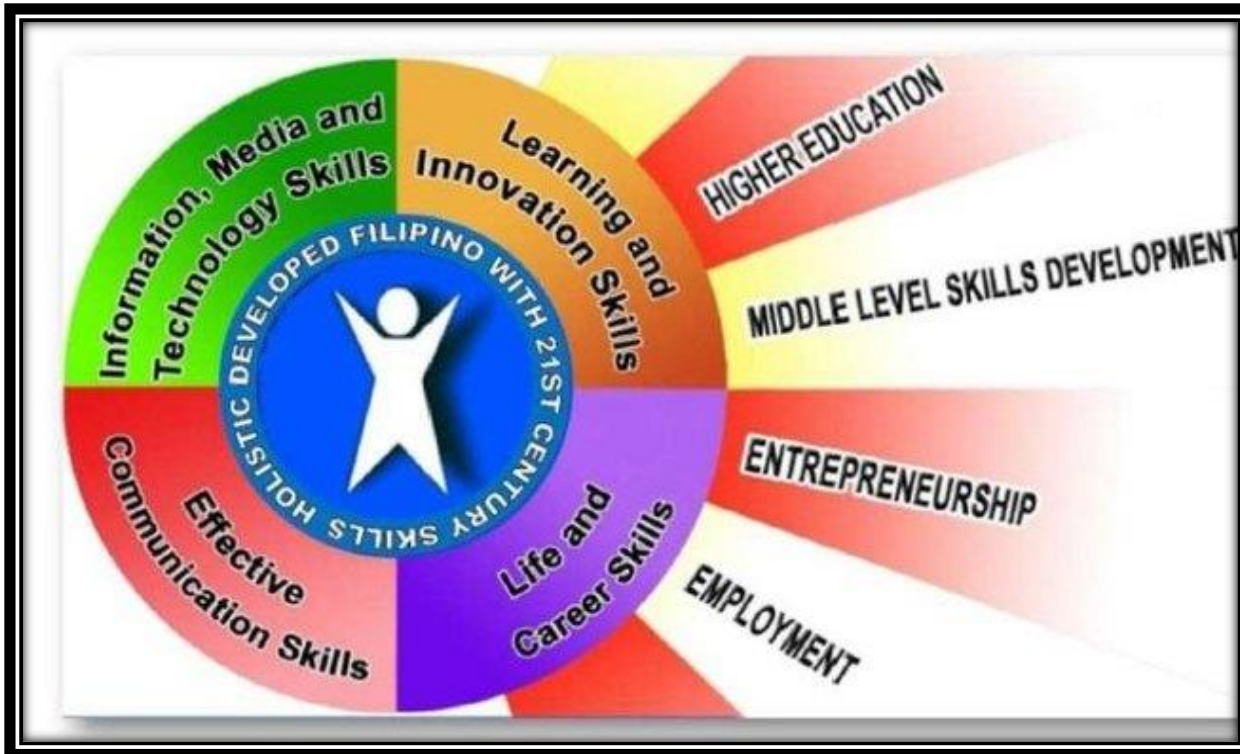
Looking back at LECTURE 12



Cultivating global citizenship and responsible netizenship in school nurtures empathy, ethical conduct, and well-informed participation in the digital realm, equipping students to contribute constructively to the global community and tackle intricate international issues.

Image 5: : Filipino Children Among Nationalities With Highest Exposure To Online Threats Globally, Says Study (Source: Bennett, 2023: Online)

A Paradigm Shift in Modern Education



With the 21st-century K-12 learner expectations, how should teachers technologize the teaching and learning process?

Image 6: 21st-Century Skills in Teaching Economics: K to 12 Spiral Instructional Modelling (SIM) in the Philippines (Source: Inocian, 2015: Online)



Lecture Objectives

- 1. Illustrate technology-driven and outcomes-based teaching and learning experiences; and,**
- 2. Discuss the steps in designing a technology-driven teaching and learning process using the ASSURE Model.**



The Philippine Educational Standards

Features of the K to 12 Curriculum

*Learner-centered,
inclusive and research-
based.*

*Standard and competence
based, seamless,
decongested*

*Culture-responsive and
culture-sensitive,
integrative and
contextualized, relevant
and responsive.*

*Flexible, ICT-based,
and global.*

**Designing
teaching and
learning
according to
these standards**

DEPARTMENT OF EDUCATION



Topic 1

The Technology-Driven and Outcomes-Based Teaching and Learning

Topic 1: The Technology-Driven OBE



How do we technologize
teaching to make
learners achieve the
desired outcomes?

Image 1: What parents need to know as kids' education becomes digital in new normal (Source: Valdez, 2020: Online)



Topic 1: The Technology-Driven OBE

What do we want our students learn?

OUTPUT of teaching?

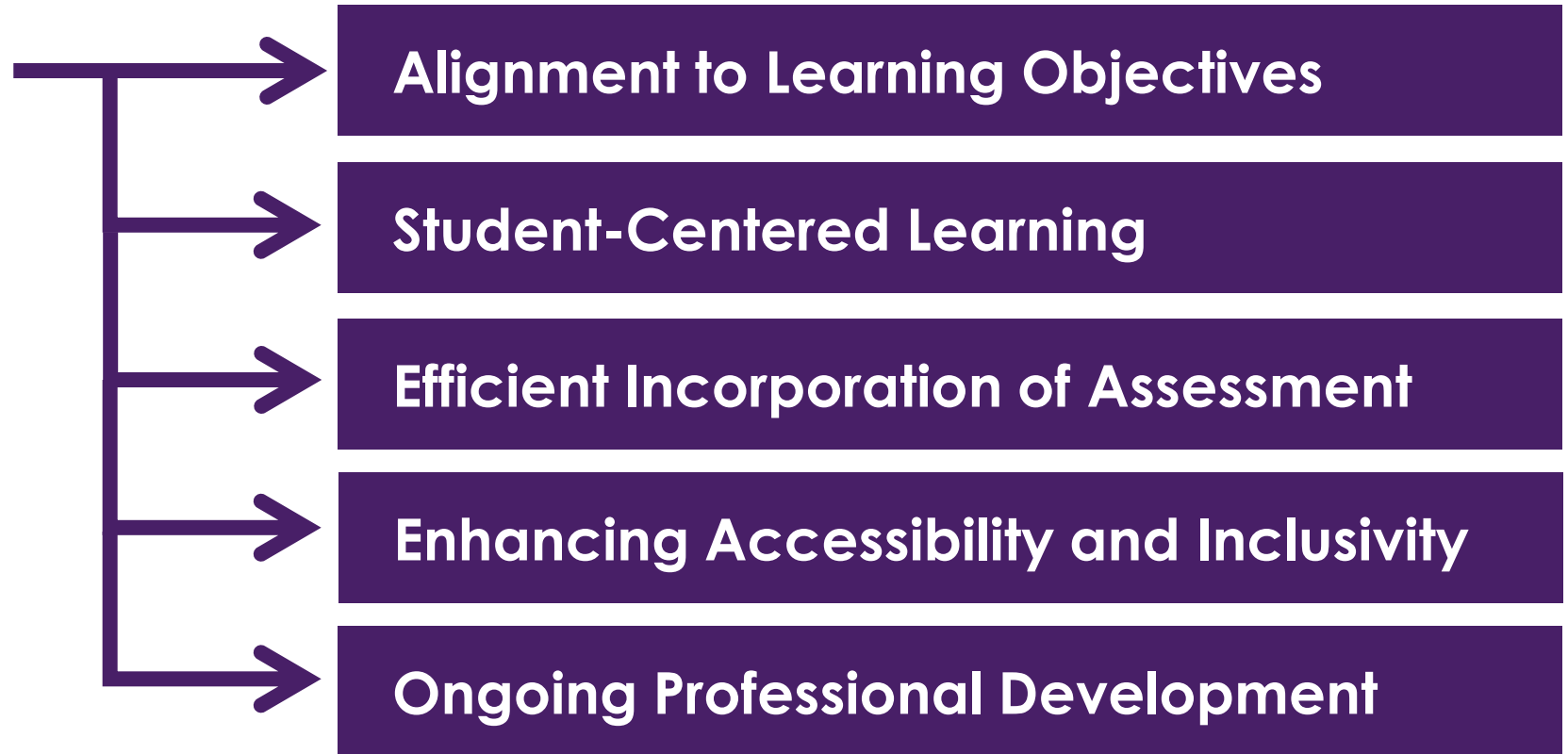
knowledge

OUTCOME of teaching?

practice

Topic 1: The Technology-Driven OBE

Criteria of OBE in technology- driven teaching and learning



Topic 1: The Technology-Driven OBE

Criteria of OBE in technology- driven teaching and learning





Topic 1: The Technology-Driven OBE

Alignment to Learning Objectives

Ensuring effective, targeted teaching,
enhances student engagement, and
improves overall educational outcomes

Topic 1: The Technology-Driven OBE

Criteria of OBE in technology- driven teaching and learning





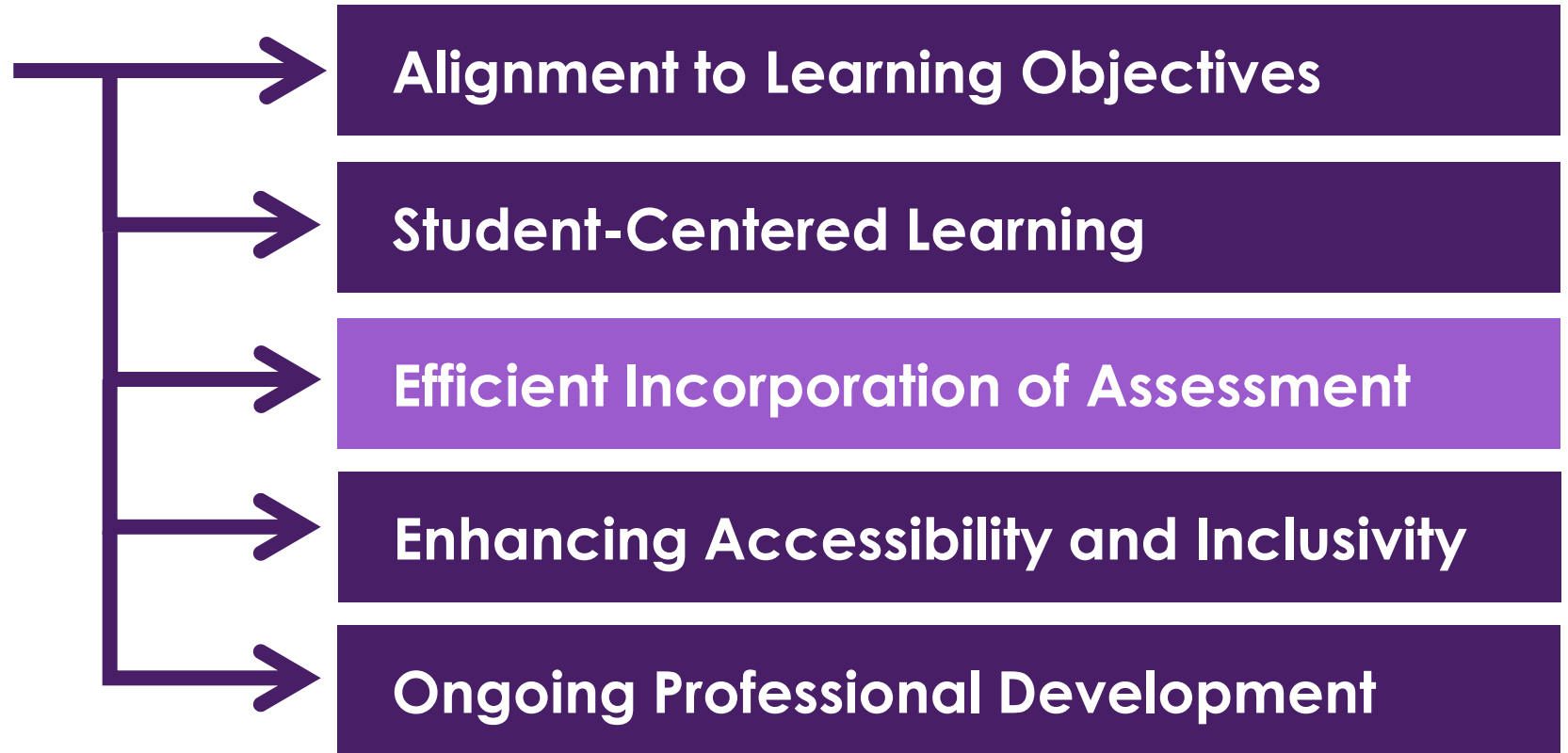
Topic 1: The Technology-Driven OBE

Student-Centered Learning

Tailoring digital tools and resources to meet individual student needs, preferences, and learning styles

Topic 1: The Technology-Driven OBE

Criteria of OBE in technology- driven teaching and learning





Topic 1: The Technology-Driven OBE

Efficient Incorporation of Assessment

Using technology through digital quizzes, interactive assessments, real-time feedback, data analytics, and personalized learning platforms

Topic 1: The Technology-Driven OBE

Criteria of OBE in technology- driven teaching and learning





Topic 1: The Technology-Driven OBE

Enhancing Accessibility and Inclusivity

Utilizing diverse materials, adaptive technologies, clear instructions, and flexible formats to accommodate all learning needs and styles, as well as limitations

Topic 1: The Technology-Driven OBE

Criteria of OBE in technology- driven teaching and learning





Topic 1: The Technology-Driven OBE

Ongoing Professional Development

Exploring and training in diverse strategies, technology integration, and inclusive practices to enhance student learning outcomes



Topic 2

The Technology-Driven Instruction using the A.S.S.U.R.E. Model



Topic 2: Educational Technology in the ASSURE Model

Analyze learners

State objectives

Select methods, media, and materials

Utilize methods, media, and materials

Require learner participation

Evaluate student performance



Topic 2: Educational Technology in the ASSURE Model

Analyze learners

Comprehending learners' attributes
and backgrounds



Topic 2: Educational Technology in the ASSURE Model

State Objectives

**Write quantifiable learning goals that
students can achieve**



Topic 2: Educational Technology in the ASSURE Model

Select Methods, Media, and Materials

Assign instructional tools that to help
achieve the learning objectives



Topic 2: Educational Technology in the ASSURE Model

Utilize Methods, Media, and Materials

**Systematize the mechanics in
implementing the instructional tools**



Topic 2: Educational Technology in the ASSURE Model

Require Learner Participation

Include in the mechanics how the learners' involvement in the mechanics



Topic 2: Educational Technology in the ASSURE Model

Evaluate Student Performance

Engage students to assess
their achievement of the objectives
based on the rubrics



Lecture 13: CONCLUSION

Embracing technology in teaching and learning significantly enhances educational outcomes by fostering engagement, personalizing learning experiences, and equipping students with vital digital skills for success in an increasingly technology-driven world.



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