



HANDONG
UNITWIN
FELLOWSHIP



School of
Education

Lecture 9

Spring 2024

C-EDUC2: Technology for Teaching and Learning 1

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Lecture 9

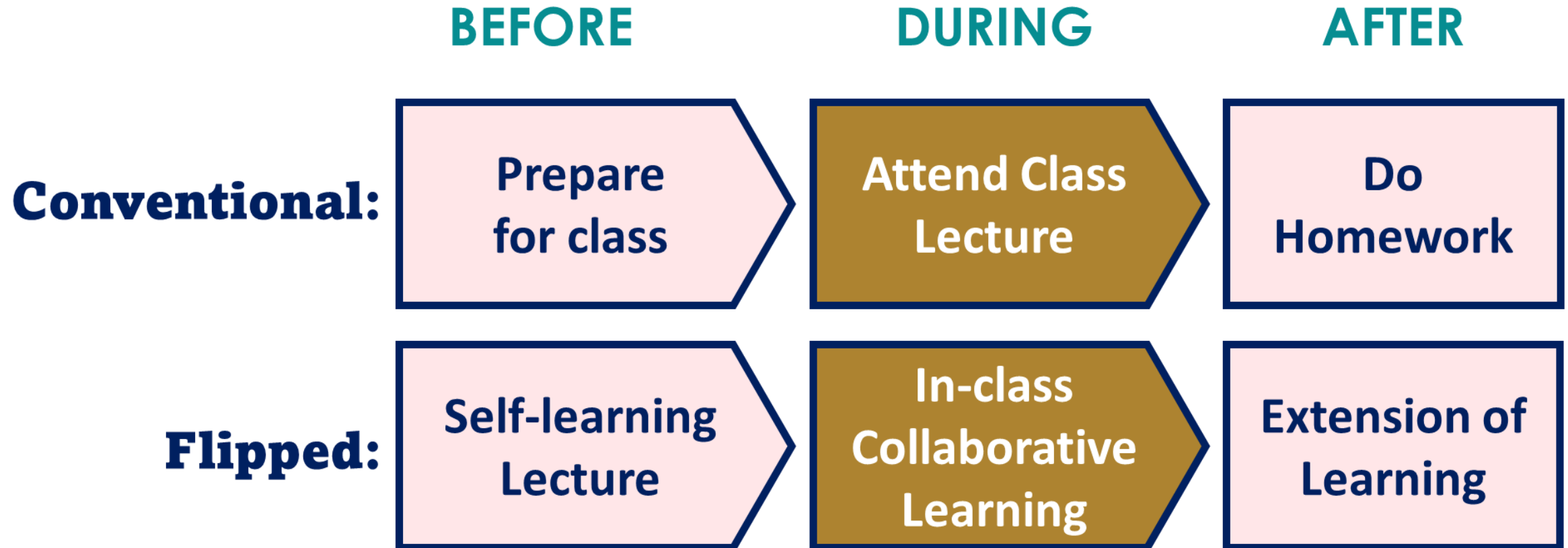


Digital Assessment Tools

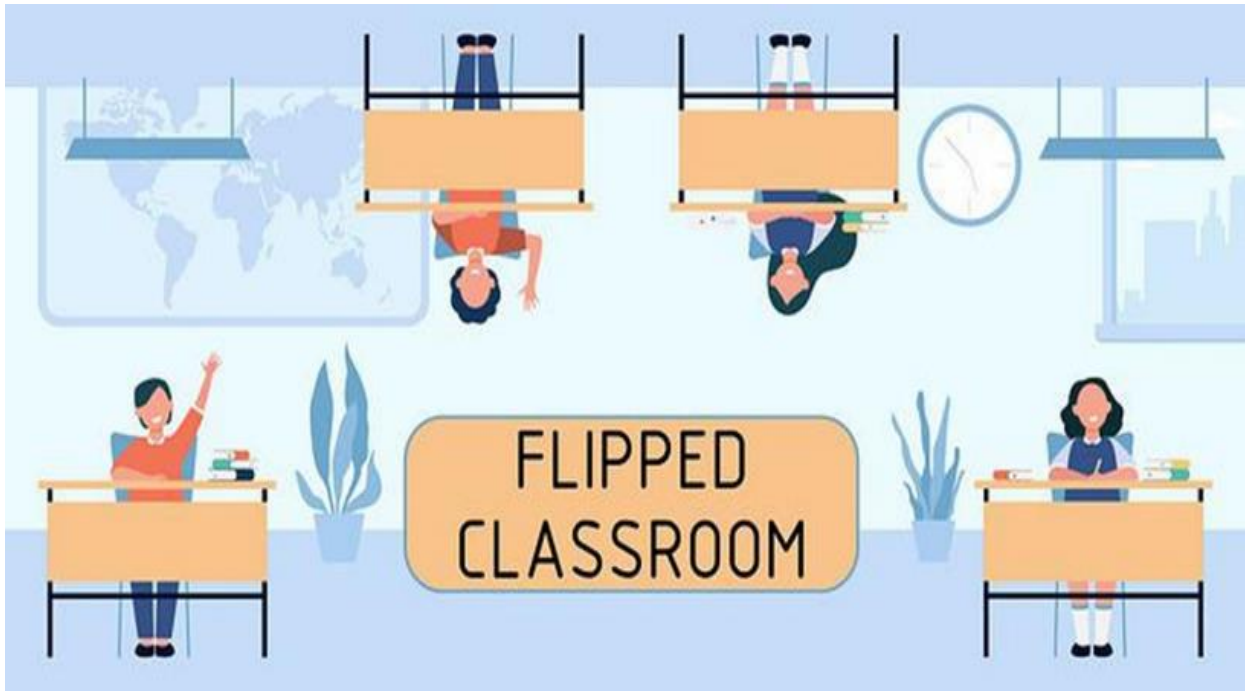
Image 1: *Students' participation in online classes dwindling, teachers say; DepEd validating* (Source: Rita, 2020: Online)



Looking back...



Looking back at LECTURE 8



Schools adopt the flipped classroom model to enhance engagement, promote active learning, personalize instruction, foster critical thinking, and prepare students for a dynamic, collaborative future.

Image 2: *The Flipped Classroom – Teaching in Reverse* (Source: Allgemein, 2022: Online)



Educational Alternatives

**How may assessment be
technologized like instruction?**

Lecture 9



Digital Assessment Tools

Image 1: *Students' participation in online classes dwindling, teachers say; DepEd validating* (Source: Rita, 2020: Online)



Lecture Objectives

- 1. Discuss the relevance of using online and digital assessment tools alongside the conventional forms;**
- 2. Explore the commonly used efficient online assessment tools; and,**
- 3. Determine the standards for creating and administering quality online and digital assessments.**



Topic 1

Comparison: Digital and Conventional Assessments



Topic 1: Digital and Conventional Assessments

Conventional:

The usual pen-and-paper test, Practical tests

Digital:

Using digital devices, Online tests



Topic 1: Digital and Conventional Assessments

Digital Assessments

- **Electronic**
- **Interactive**
- **Appeal modern learners**

Conventional Assessments

- **Versatile**
- **Actual**
- **Easy-to-use**

Topic 1: Digital and Conventional Assessments

Digital Assessments

- **Electronic**
- **Interactive**
- **Appeal modern learners**

Convenience and Flexibility

Immediate Feedback

Scalability and Efficiency

Improved Interactivity

Topic 1: Advantages of Digital Over Conventional

Convenience and Flexibility

Immediate Feedback

Scalability and Efficiency

Improved Interactivity

Paperless

Portable

Integrated into
the system

Topic 1: Advantages of Digital Over Conventional

Convenience and Flexibility

Immediate Feedback

Scalability and Efficiency

Improved Interactivity

**Checking,
scoring, and
recording are
instantly
provided.**

Topic 1: Advantages of Digital Over Conventional

Convenience and Flexibility

Immediate Feedback

Scalability and Efficiency

Improved Interactivity

**Handles large
inputs**

**Quick data
processing and
analysis**

Topic 1: Advantages of Digital Over Conventional

Convenience and Flexibility

Immediate Feedback

Scalability and Efficiency

Improved Interactivity

**Multimedia
Integration**

**Measuring more
than just textual
comprehension**



Topic 2

Some Commonly Used Digital Assessment Tools



Topic 2: Commonly Used Digital Assessment Tools

**Learning Management
System (LMS)**

**Online Quizzing and
Assessment Platforms**

**Google
Workspace**

Creation Software

**Interactive
Whiteboard**

Video Assessment Tools

Digital Rubric Tools



Topic 2: Commonly Used Digital Assessment Tools

Learning Management System (LMS)

Platforms like Google Classroom, Moodle, Canvas, and Schoology are widely used for creating and managing assessments, delivering course content, and tracking student progress.



Topic 2: Commonly Used Digital Assessment Tools

Online Quizzing and Assessment Platforms

Tools such as Kahoot, Quizlet, Edmodo, and Socrative allow educators to create interactive quizzes, polls, and assessments to engage students and assess their real-time understanding.



Topic 2: Commonly Used Digital Assessment Tools

Google Workspace

Google Forms is popular for creating online quizzes and surveys with automatic grading and data analysis capabilities. Google Docs, Sheets, and Slides are also used for collaborative assessments and projects.

Topic 2: Commonly Used Digital Assessment Tools

Creation Software

Software like ExamSoft, Respondus, and ProProfs Quiz Maker provides features for creating secure assessments, including question banks, randomization, and analytics.



Topic 2: Commonly Used Digital Assessment Tools

Interactive Whiteboard

Platforms like SMART Notebook and Promethean ActivInspire enable educators to create interactive lessons and assessments that can be displayed on interactive whiteboards or shared digitally with students.



Topic 2: Commonly Used Digital Assessment Tools

Video Assessment Tools

Flipgrid allows students to submit video responses to assignments and assessments, fostering creativity and communication skills.



Topic 2: Commonly Used Digital Assessment Tools

Digital Rubric Tools

Rubric-based assessment tools like RubiStar and Quick Rubric help educators create and apply digital rubrics for grading assignments consistently and providing detailed feedback.



Topic 3

Creating and Using Valid and Reliable Digital Assessment Tools

Topic 3: Valid & Reliable Digital Assessment Tools

What is a valid assessment tool?



- The test tool is able to consistently and accurately measure its intended construct.

Topic 3: Valid & Reliable Digital Assessment Tools

What is a reliable assessment tool?



**Reliability
& Quality**

Ability of the test to elicit consistent responses from the students that reflect their actual performance level



Topic 3: Valid & Reliable Digital Assessment Tools

Accessibility and Inclusivity

Security and Integrity

Fairness and Equity

User-Friendliness

Data Privacy and Protection

Feedback and Reporting



Topic 3: Valid & Reliable Digital Assessment Tools

Accessibility and Inclusivity

Seamless access
Available both online and offline
Not device-sensitive



Topic 3: Valid & Reliable Digital Assessment Tools

Security and Integrity

Monitored
Cheat-proof
Secured accounts
Accessed by the intended parties



Topic 3: Valid & Reliable Digital Assessment Tools

Fairness and Equity

Non-offensive, non-discriminatory
Culturally sensitive
Objective



Topic 3: Valid & Reliable Digital Assessment Tools

User-Friendliness

Easy-to-follow mechanics
Functional accordingly
Lag-free, Bug-free



Topic 3: Valid & Reliable Digital Assessment Tools

Data Privacy and Protection

- Compliant with data privacy rules
- Having secured storage
- Data encryption
- Restricting access to personal data



Topic 3: Valid & Reliable Digital Assessment Tools

Feedback and Reporting

Test results are accessible to the appropriate students
Results used to inform teaching and learning



Lecture 9: CONCLUSIONS

Schools implement digital assessment tools to optimize instruction and learning through increased efficiency, tailored feedback, heightened student involvement, and better preparation for the digital era. These tools enhance assessment procedures to more effectively cater to the requirements of modern education in the 21st century.



References

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