

# Presentation at the 2024/2025 Thomas Adewumi University Staff Retreat

**Topic: Teaching Resources and Its Associated  
Challenges in TAU**

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# Introduction

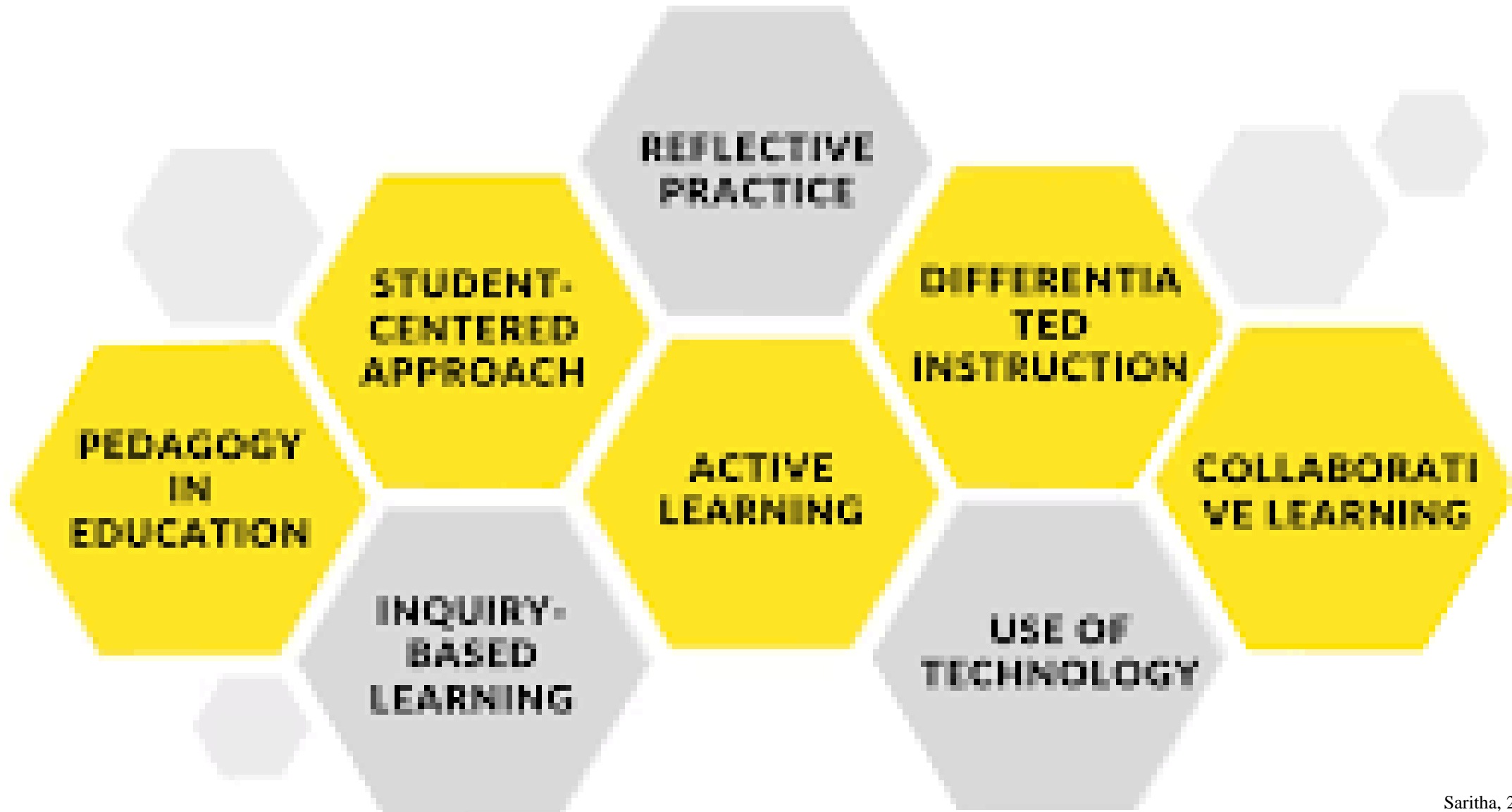
- Education is a key determinant of learning.
- Schools are built in order to provide knowledge and skills to those who go through them.
- Teaching and learning that involves instructional media has a force whose role cannot be ignored if the performance of the teacher is to greatly benefit the learner.
- Adequate instructional materials in classrooms has promoted academic performance of students.
- Academic performance; performance in classroom tests, in course work and performance in the final examinations



# *Features of* **PEDAGOGY**



**THOMAS ADEWUMI  
UNIVERSITY,  
OKO, KWARA STATE**  
Science | Technology | Medicine



# Different methods of teaching in universities



**Lectures**

**Online Learning**

**Seminars & Workshops**

**Field Trips and Excursion**

**Practical Sessions**

**Group Work**

**Projects**

**Tutorials**

Teaching resources are the broad tools and materials that educators use to support the teaching and learning process.

These resources can include a variety of materials, tools and strategies that aid in the delivery of content and the facilitation of learning experiences.

A teaching resource is a material that is designed to help facilitate learning and knowledge acquisition.

WHILE

Instructional materials are all of the tools a teacher uses in teaching a lesson. These materials can include materials that students bring from school as part of a project, textbooks, homework assignments, and other types of resources.

# Instructional Materials (IMs)

**Instructional materials** are important in teaching and learning; it contain instructions to learners.

There is a strong link between adequate and quality instructional materials and quality teaching and learning process (Blair, 1998).



**Instructional materials** can define the goals of the syllabus, and the roles of the teachers and the learners within the instructional process (Wright, 1987).

## **IMs contain**

- Instructions to learners
- Content to be learned
- Techniques of presentation
- Practice and use of the content
- Modes of teaching associated with the techniques

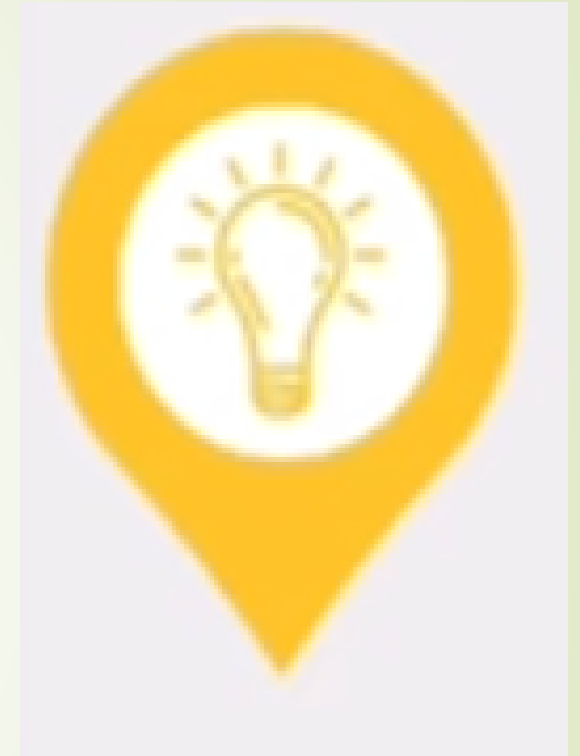
IMs are important element within the curriculum and are often the most tangible and visible aspect of it.

Anything which is deliberately used to increase the learner's knowledge and/or experience (Brian Tomlinson, MDiLT).

IMs contain instructions to learners.

## What are IMs?

Include printed materials and multi-media materials, and every instrument used in the classroom. These are the tools used in educational lessons which includes active learning and assessment.



## Purpose of IMs

The purpose of IMs is to improve students knowledge, abilities, and skills to monitor their assimilation of information, and to contribute to their overall development and upbringing.

As the educational system changes, IMs are also updated and improved in order to better provide what the students need.

## Forms of IMs

**Print** - Textbooks, Pamphlets, Study guides, Manual

**Audio** – Cassettes, microphones, Podcast

**Visual** – Photograph, Relias, Charts

**Audio visual** – Slides, Tapes, Films, Television, Video

**Electronic** – Computers, Graphing, Calculators, Tablets.

## Examples of IMs:

**P**owerPoints

**V**ideos

**D**VDs

**B**ooks

**N**ewspapers

**D**iscussions between learners...

**T**extbooks

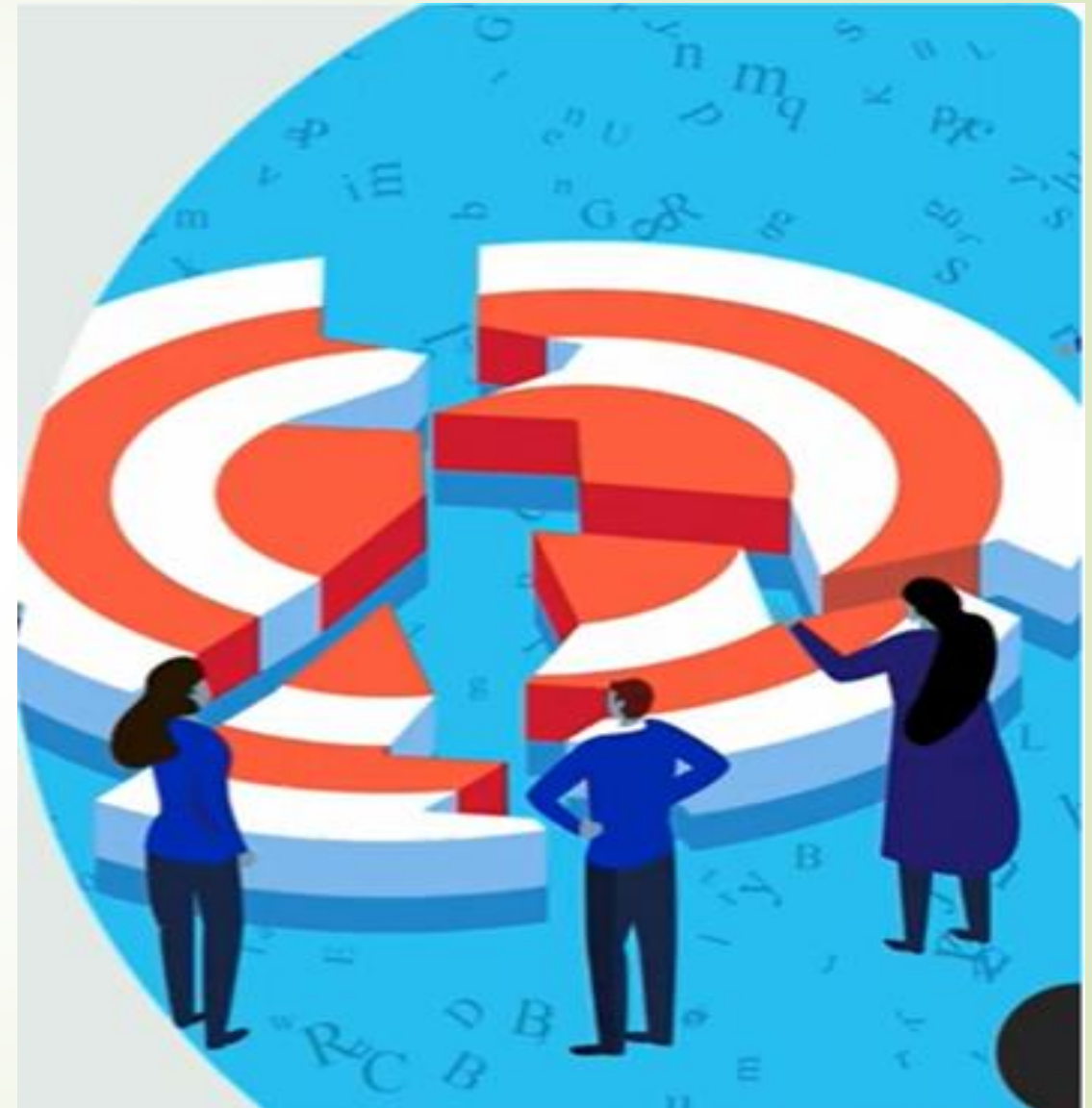
**L**aboratory manual

## IMs Component

Scope	Functionality	Examples	Purpose	Use in Education
Narrow; focused on specific content delivery and learning activities.	Content-specific; directly used for instruction and learning.	Textbooks, worksheets, lab manuals, flashcards, PowerPoint slides	To deliver content, provide practice, and assess understanding.	Supports specific lesson objectives and student learning outcomes.

# IMs Development Process:

- Use of clear and concise language: ensure the content is easily understandable by the target audience.
- Include assessment and feedback i.e. quizzes, practice exercises
- Review for accuracy and quality; check for any errors, inconsistencies or outdated information.
- Accessibility considerations; ensure that the materials are accessible to all learners.





# IMs Benefits:



- Improved Understanding and Retention
- Engagement and Motivation
- Facilitates Different Learning Styles
- Encourages Active Learning
- Supports Collaborative Learning
- Provides Flexibility and Accessibility
- Facilitates Assessment and Feedback
- Enhances the Practical Application of Knowledge
- Promotes Self-Directed Learning
- Supports Blended and Online Learning

# Criteria in selecting IMs:



- IMs should support the educational philosophy, goals, and objectives of the curricular offering in which the materials will be used.
- IMs should be appropriate for the age, emotional and social development, and ability level of the students for whom the materials are selected.
- Developing and creating engaging, interactive and relevant content to the learners.
- IMs should meet high standards of quality in factual content and presentation.
- Choice of appropriate media and format such as text-based materials, videos, interactive activities, simulations, graphics, or a combination of various media.
- IMs should encourage students to utilize higher order thinking skills and become informed decision makers.
- Lecturers shall provide for constant and continuing renewal of the collection not only by the addition of up-to-date material, but by elimination of obsolete information or materials which no longer meet needs.

## Questions...

1. What are your views on the extent to which instructional materials affect students' performance?
2. What are the challenges facing TAU Academic staff in accessing and utilization of instructional resources?
3. How do we address these challenges / what strategy can be used to minimize the challenges of attaining and using quality instructional materials?

# IMs Challenges Faced in Nigerian Higher Institutions and Current Situation in TAU

**Outdated Materials:** Due to financial constraints, some institutions rely on outdated textbooks and teaching aids, which can hinder the quality of education.

Up-to-date and standard teaching materials in form of textbooks, both hard copy and e-books are available in TAU library.

**Infrastructure Issues:** Poor infrastructure, such as lack of proper libraries, laboratories, and internet access, can limit students' and teachers' access to essential learning resources.

This is not applicable in TAU as standard library, laboratories and stable internet services are provided to aid teaching and learning.

**Unequal Distribution:** There is often a disparity in resource allocation between institutions, with some benefiting from better resources and others lacking basic materials. Poor attitude of government towards research and inadequate funding of research programmes.

TAU as a privately owned higher institution who lacks government support in provision of basic education needs and interventions in term of finance.

**Inadequate Training for Educators:** Some educators may not receive adequate training on how to effectively use modern teaching resources and technology, impacting the quality of instruction

The university management will embrace the culture of regular training of her staff members.

# IMs Challenges Faced in Nigerian Higher Institutions and Current Situation in TAU (cont'd)

**Lack of ability and knowledge in creating materials:** Some staff inability to use multimedia and technological learning materials.

TAU staff who may fall in this category should seek for help from the ICT staff or Directorate of Research, Innovation and Product Development office.

**Limited Access to Digital Resources:** In some areas, access to digital resources and online learning materials is restricted due to poor internet connectivity and lack of technology.

Access to materials on OER, virtual lab, e-library in TAU.

**Curriculum Issues:** The curriculum may not always align with current industry standards or the latest research, leading to gaps in the education provided.

Following strictly the NUC standard on curriculum and not otherwise.

**These challenges often requires a multi-faceted approach involving increased funding, improved infrastructure, and better training for educators. Also, embracing technology and innovative teaching methods.**

# Conclusion

- IMs are designed to align with learning objectives and outcomes
- They are powerful strategy to bring about effective teaching and learning.
- The importance of quality and adequate instructional materials in teaching and learning can occur through their effective utilization during classroom teaching, therefore influencing positively students academic performance.
- There is a direct link between the materials that the teachers use, and the students' positive attitude to learning and learning outcomes.



THANK YOU.