WORKSHOP ON

INNOVATIVE TEACHING AND LEARNING IN HIGHER EDUCATION

Facilitated by Abdirahman Sheikhdon,
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Organized by **SomaliREN**,
Hotel Jawhara, Mogadishu, Somalia
29th to 30th June 2024

Introduction and Objective

HEIs are expected to educate larger numbers of students, creating new opportunities for graduates, research, and innovation. It is, therefore, necessary to skill up the capacity of teaching staff to realize the goal of higher education.

The main objective is to utilize innovative teaching-learning approaches to address the needs of learners in practical ways.

Introduction

- Name,
- Qualification,
- Position, and
- Institution

Norms

MOVEMENT

RESPECT

Expectation

- Enhancing communication between the facilitator and the participants

Eye Test.

Your age?

Keep your eyes on a bigger picture. Your current status is not your future definition.

What challenges do you face as teaching staff in higher education?

LEARNING THEORY

theory

A theory is a set of organized principles that explain something.

Learning theories are ideas about ways students learn, process, and retain information.

Theories of learning enable the evidence-informed design of curriculum, learning activities, and assessment.

Learning refers to a change in behavior due to experience or practice.

What is your reflection on this concept?
(*Think*-*Pair*-*Share*)

Brainstorming, Problem Solving — Think

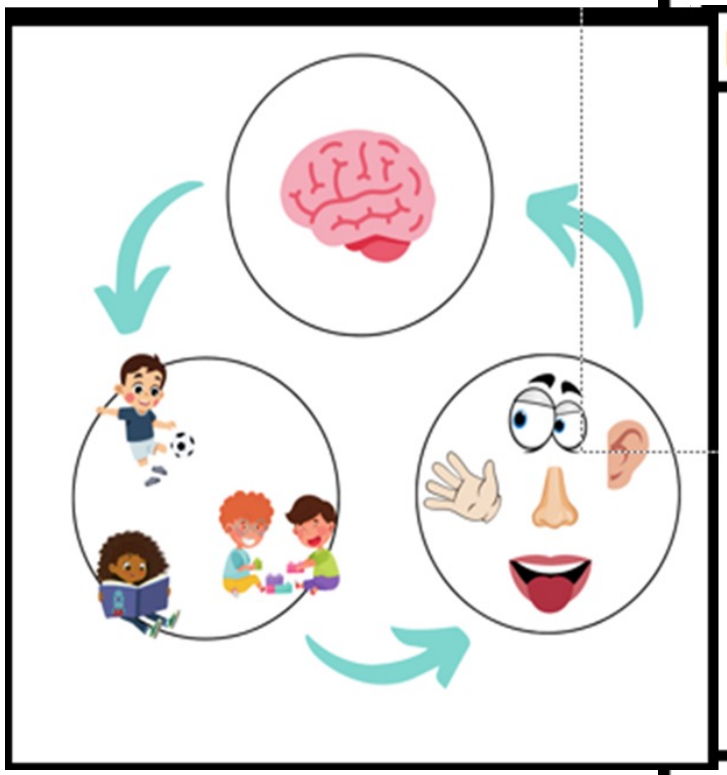
Library — Read

Assignment — Write

Project Research — Do

Discussion — Share

Learning theories are ideas about the ways students LEARN PROCESS and RETAIN information



Learning Outcome	Ways to teach/learn it	
Be able to play football.	doing	Playing, practicing, doing drills.
	seeing	Watching a match live or on TV, watching others do the skills.
	hearing	Getting verbal feedback from a coach while playing.

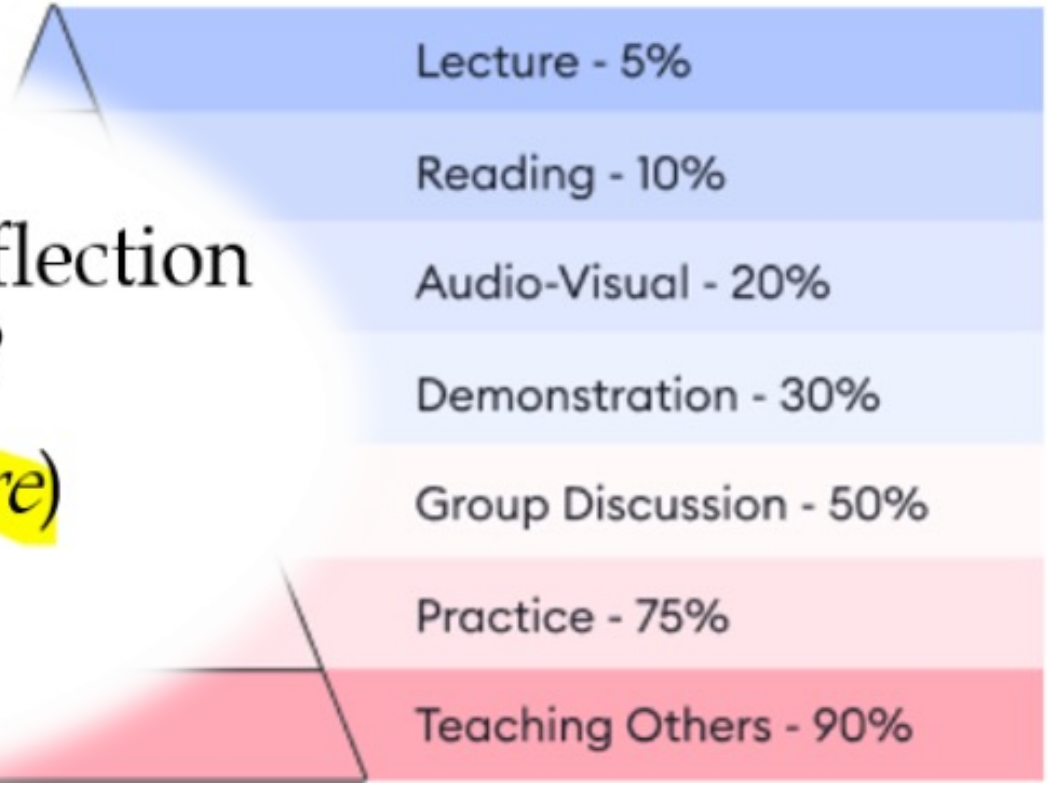
Read the learning outcome. Determine which is the best way to learn it.

Learning Outcome	Best way to learn/teach it	
Be able to pronounce the letter sounds in a new language.		
Be able to drive a motorbike.		
Be able to recognize what a diseased plant looks like.		

Learning theories are ideas about the ways students LEARN PROCESS and RETAIN information

What is your reflection on this concept?

(*Think-Pair-Share*)



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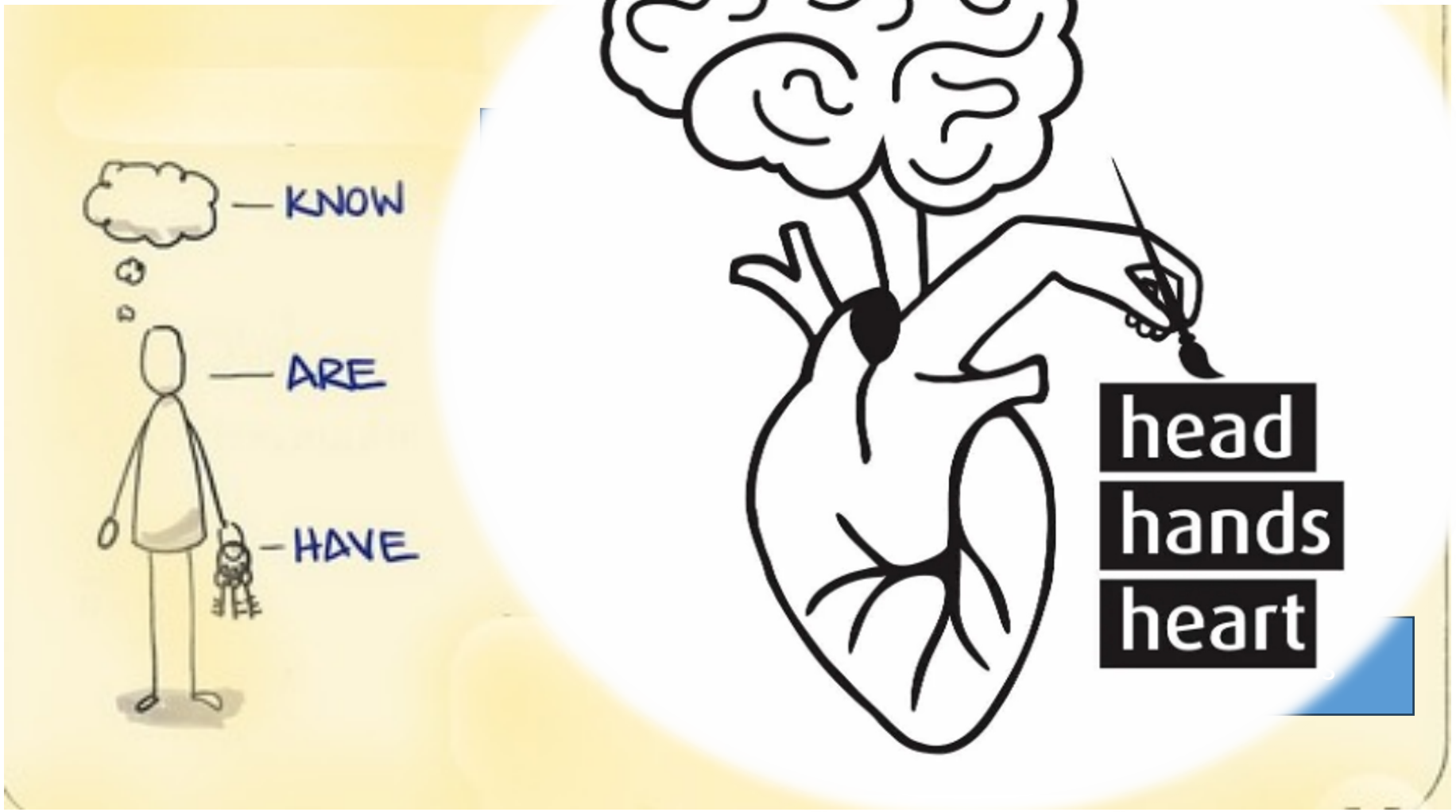

Domain of Learning

- **Cognitive**

Knowledge

Skills

- **Psychomotor**

- **Affective**

Attitude

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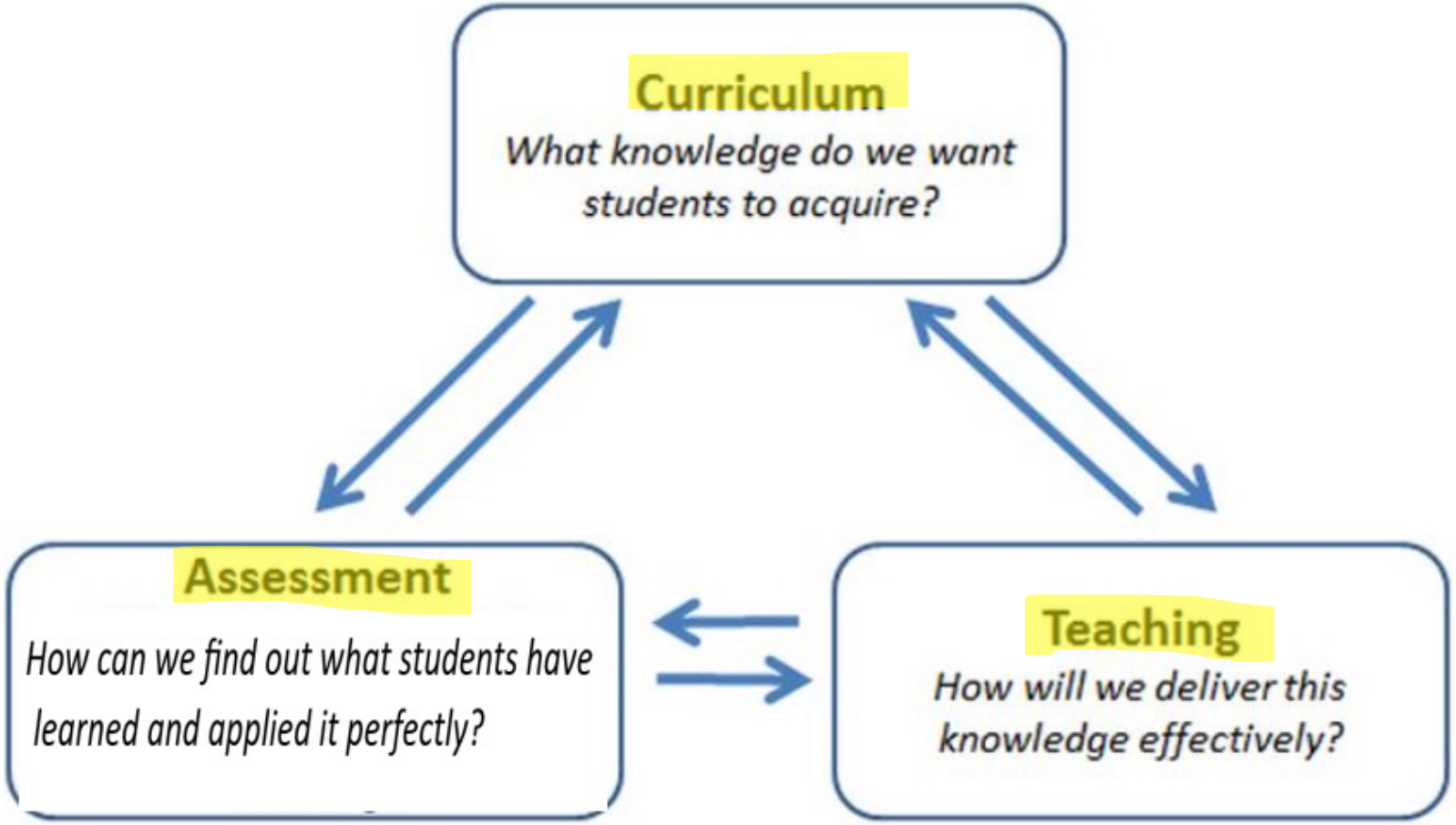
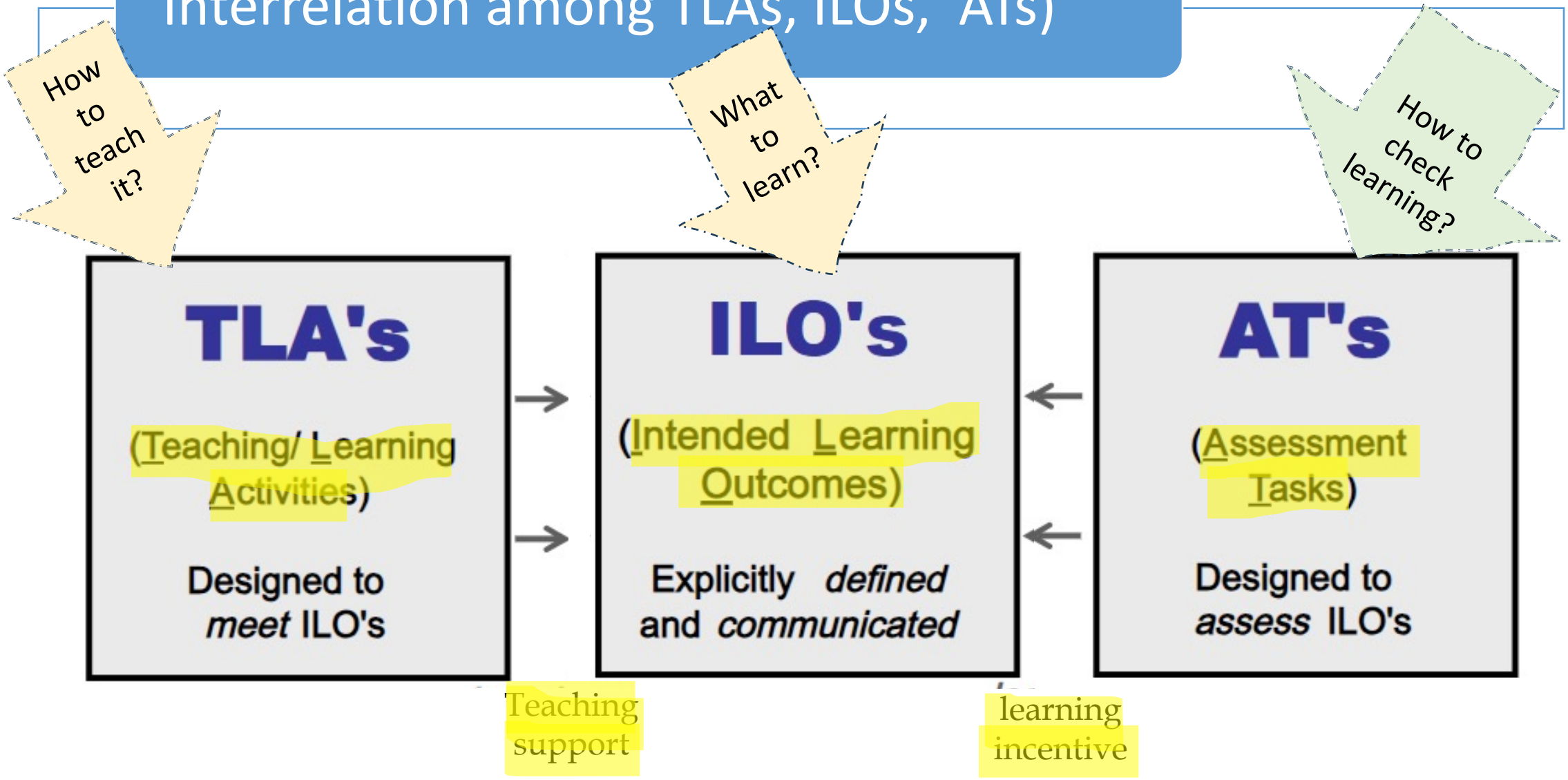
- Scan the below bar code to see verbs used for cognitive, psychomotor and affective domain.

Theories of learning support curriculum design, learning activities, and assessment



Interrelation among TLAs, ILOs, ATs)



Competence

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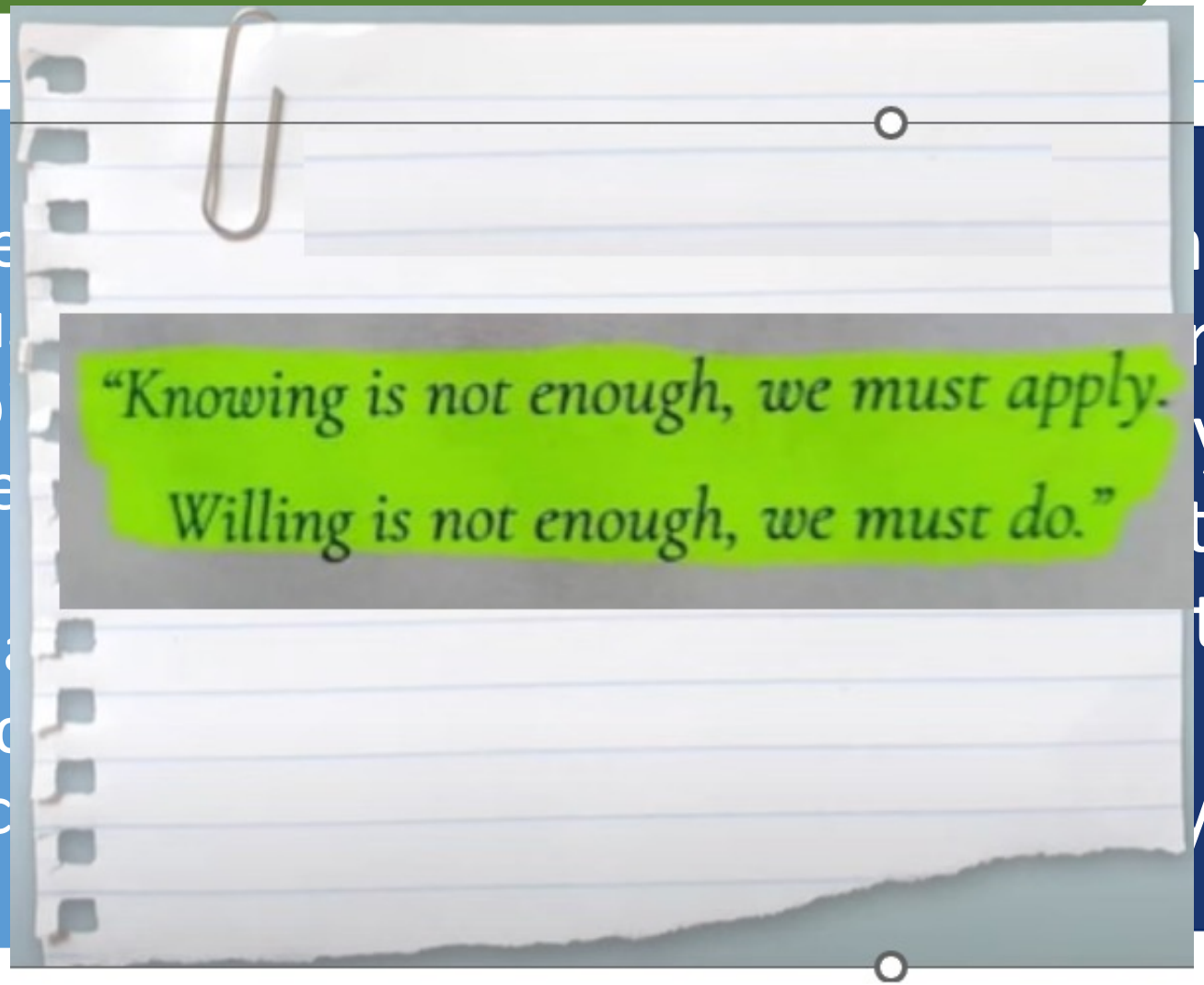

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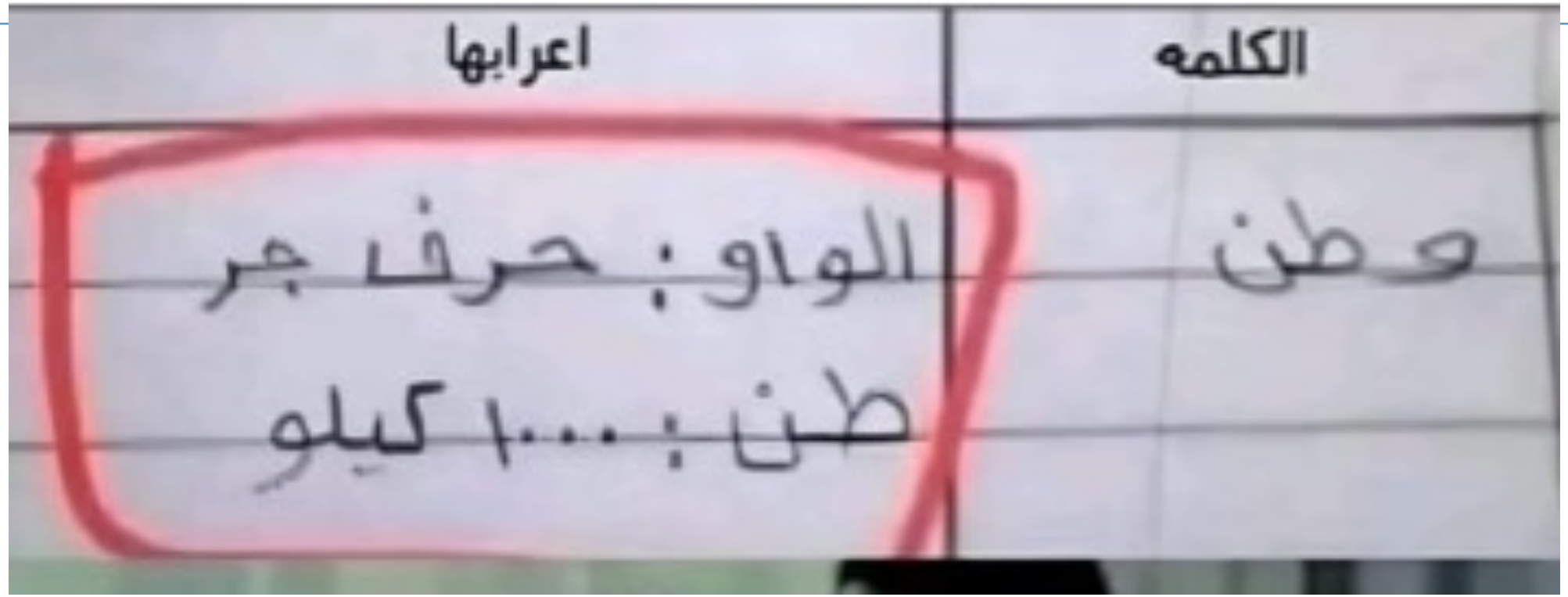
Competence?



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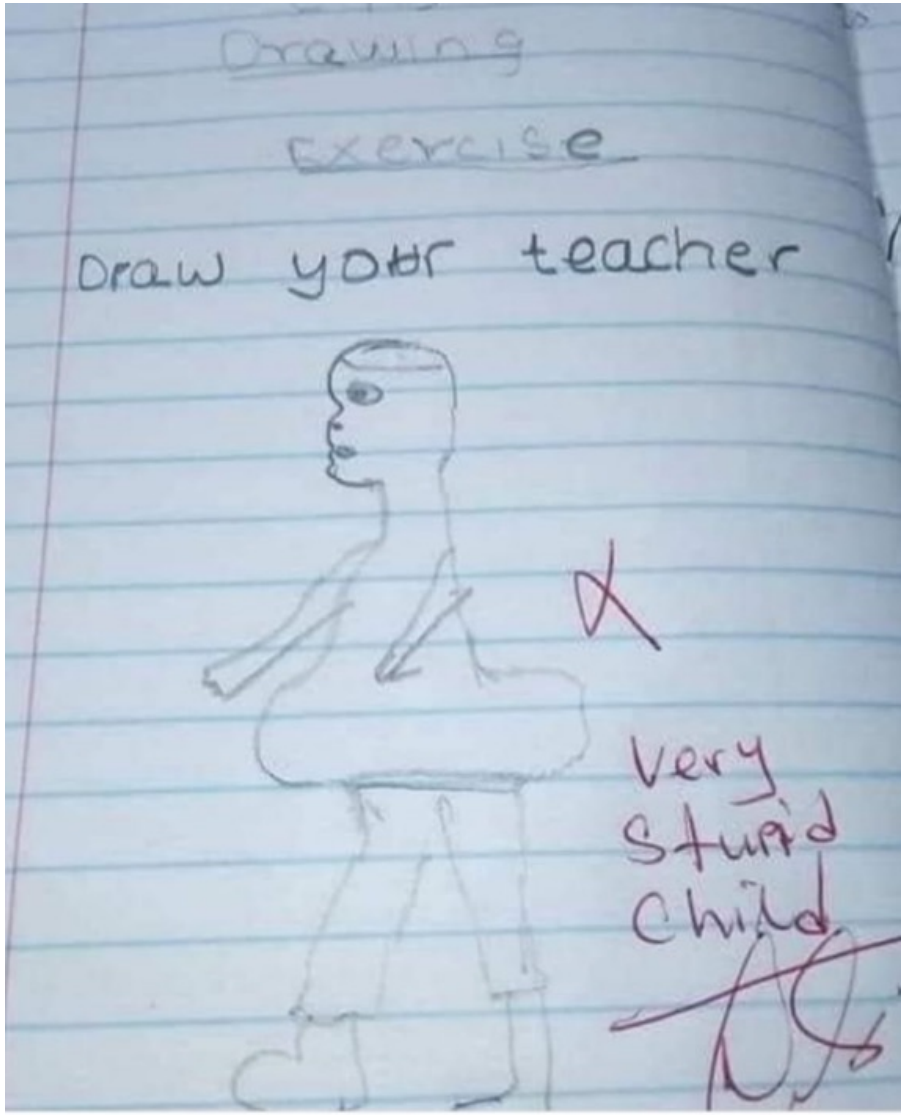
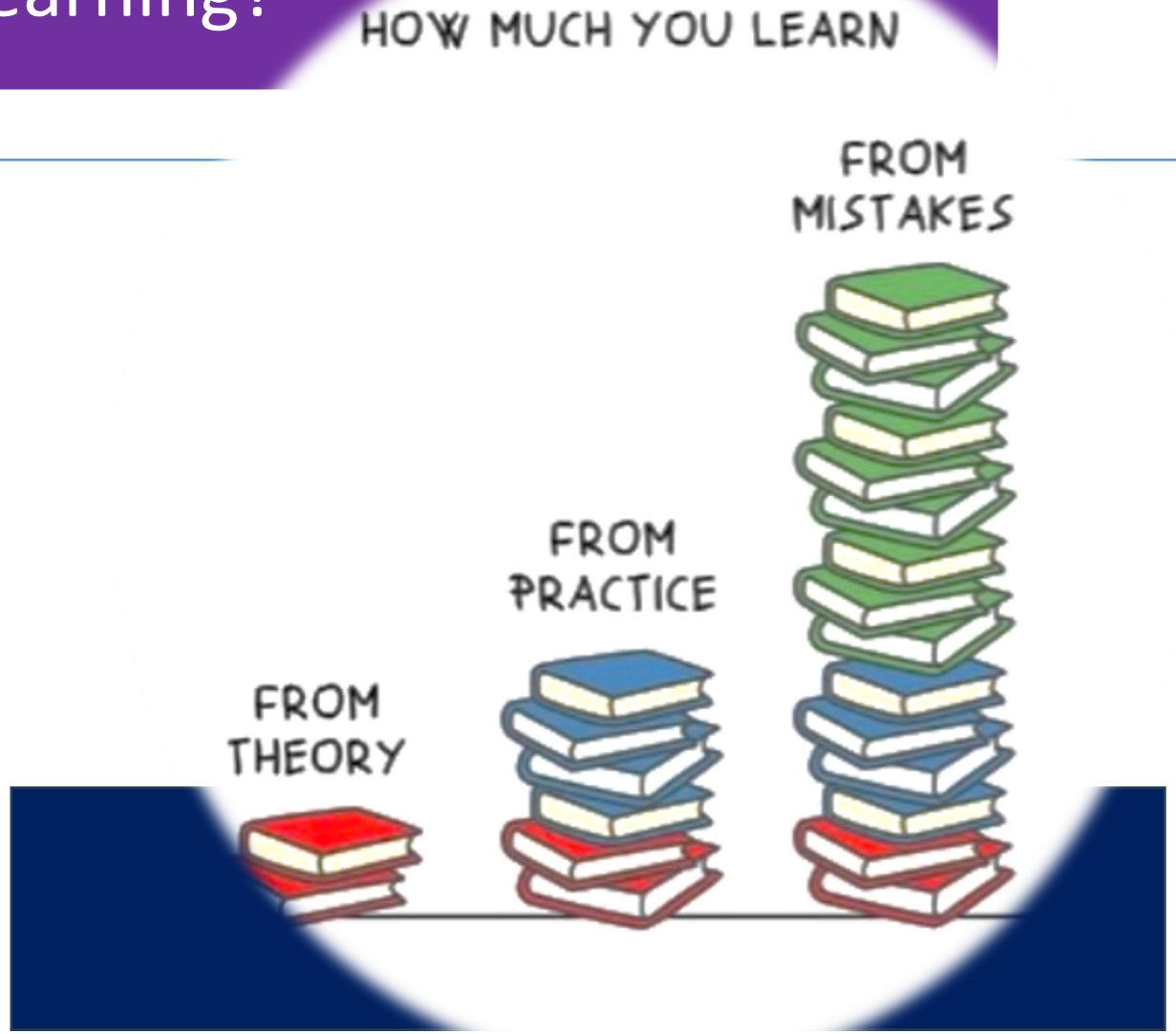
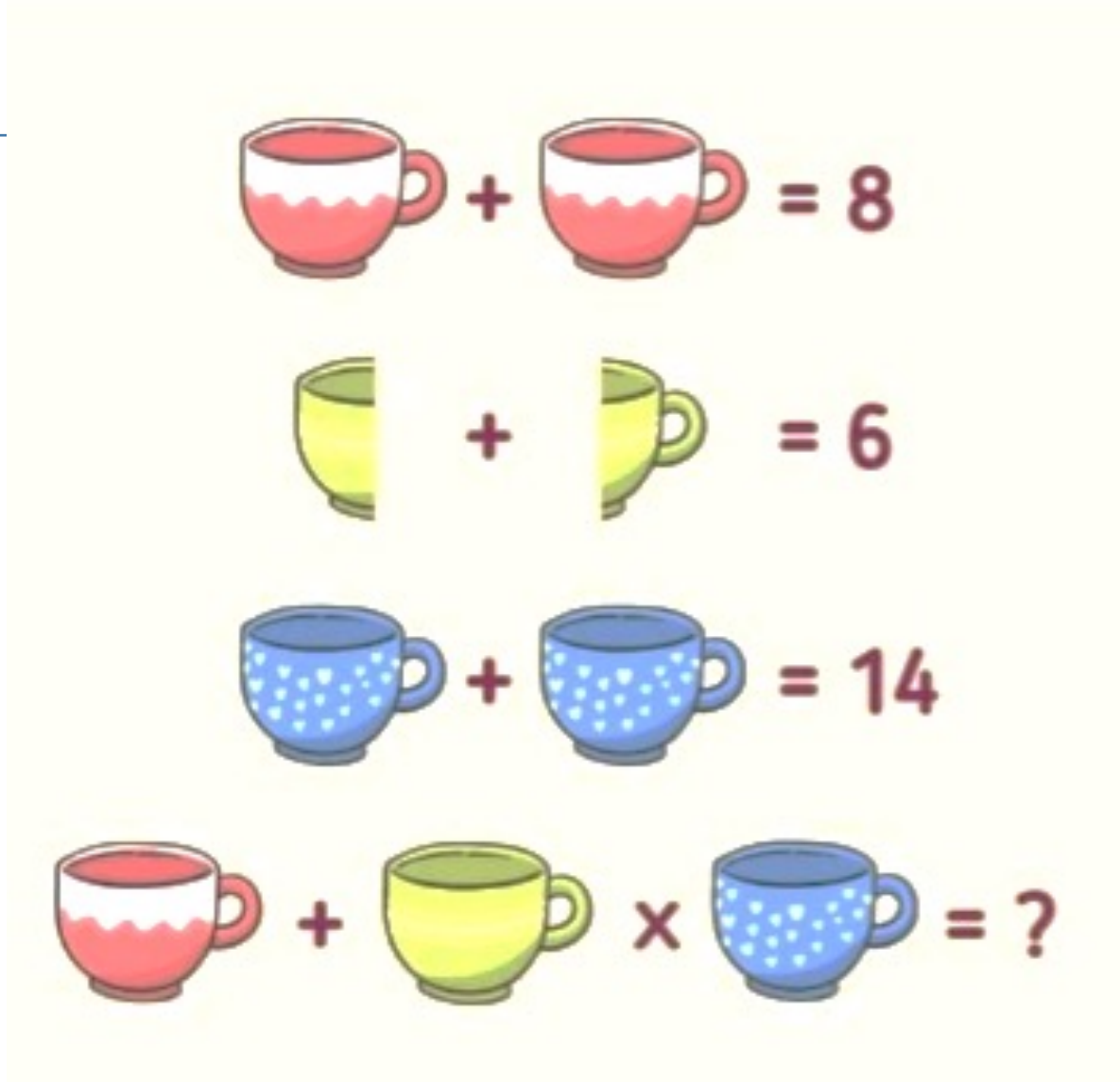

Drawing
exercise
Draw your teacher
very
stupid
child

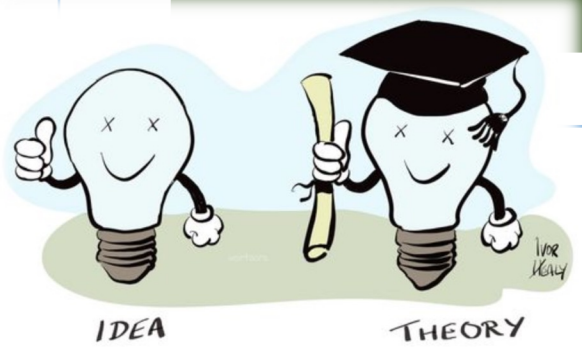
Sources of learning?



Calculate



Theories of Learning



Cognitive

1

Mental is the primary object of learning(internal and external)

Behaviorism

2

Stimulus-response association(external)

3

Constructivism

Knowledge can be constructed based on prior knowledge.

4

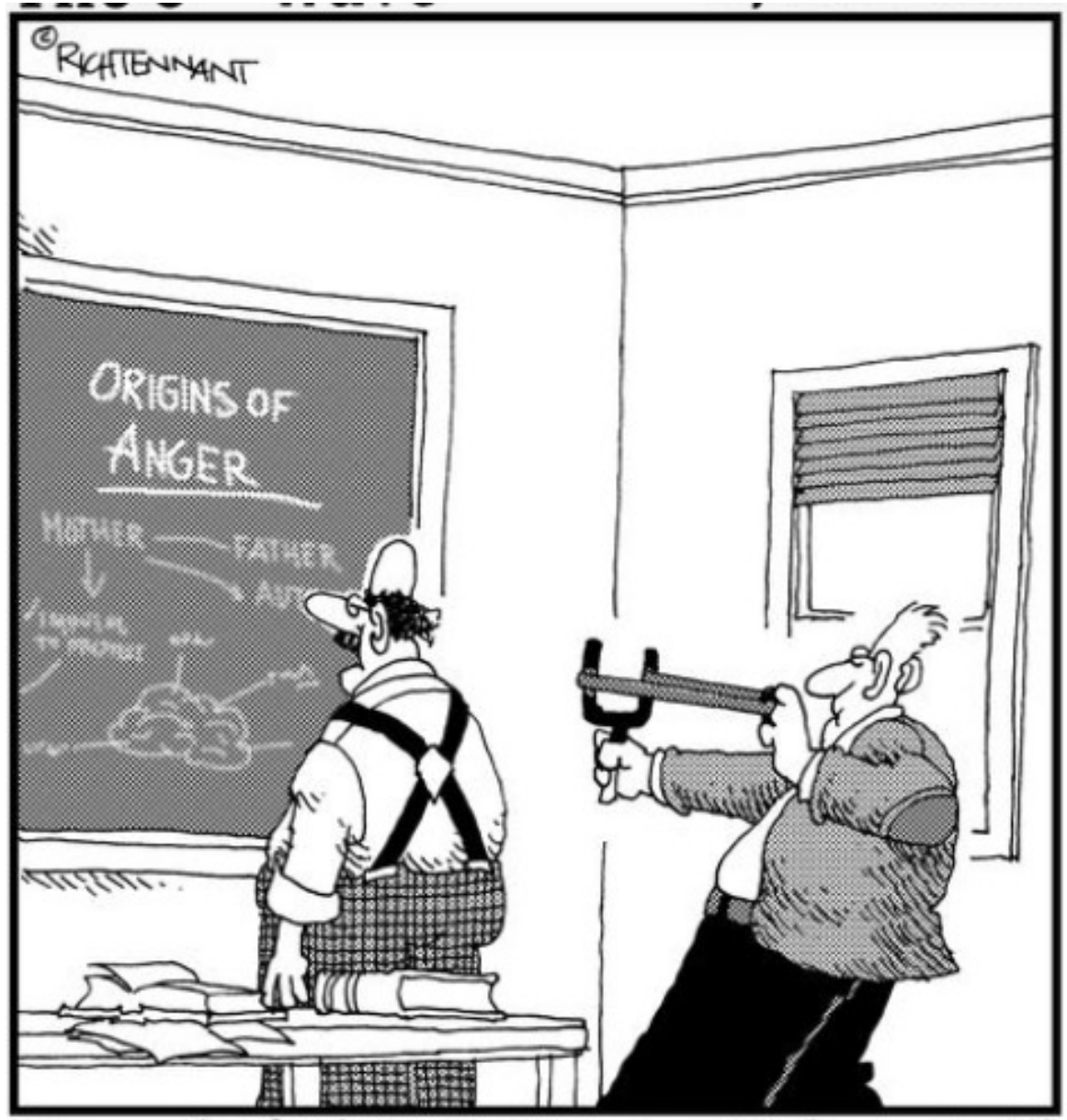
Transformative

Learners can adjust their thinking based on new information(Adult learning)

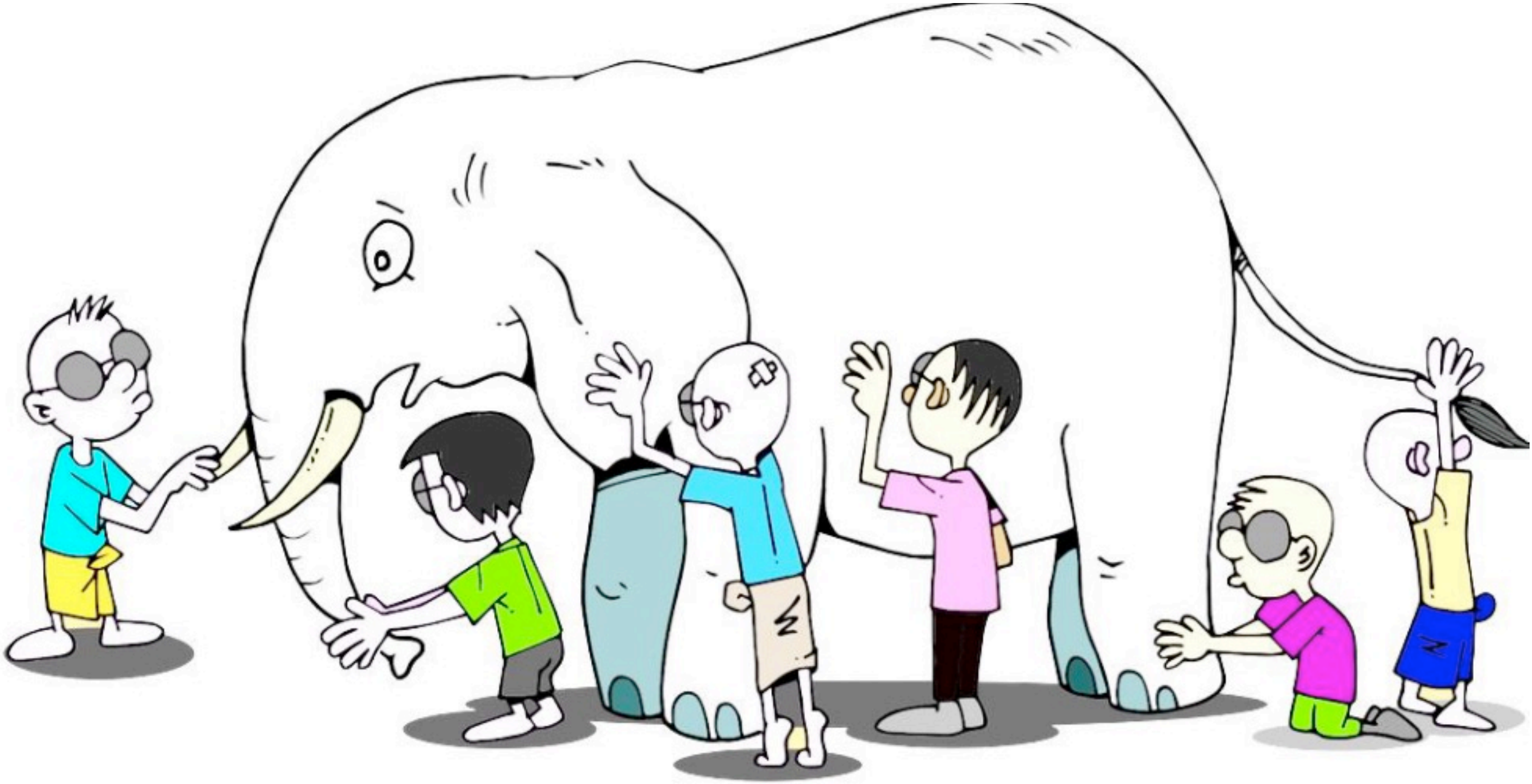
5

Experiential

learning by doing(experience)



"So much of what we know is still theoretical."

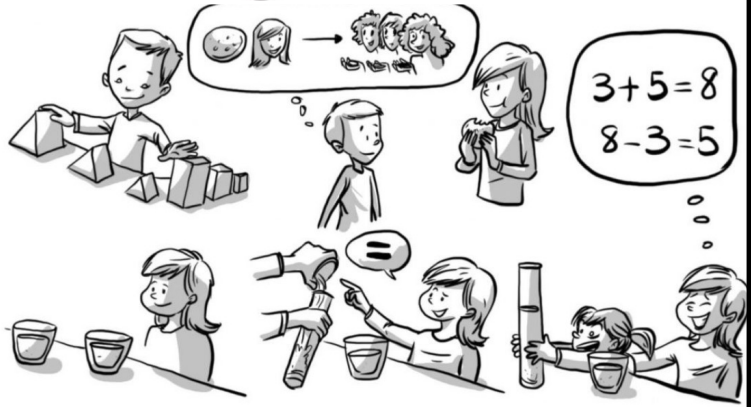


Application of Theories

Theories	Application
• Cognitivism	• Classifying information, Linking concepts, Real-world examples, discussion, problem-solving, providing picture.
• Behaviorism	• Establishment rules, verbal reinforcement, drilling/repetition, modelling
• Constructivism	• Case studies, Research projects, Problem-based learning, Brainstorming, Group work, Discovery learning
• Experiential	Practical exercise, internship, etc.
• Transformative	Inquiry and action research

1

3



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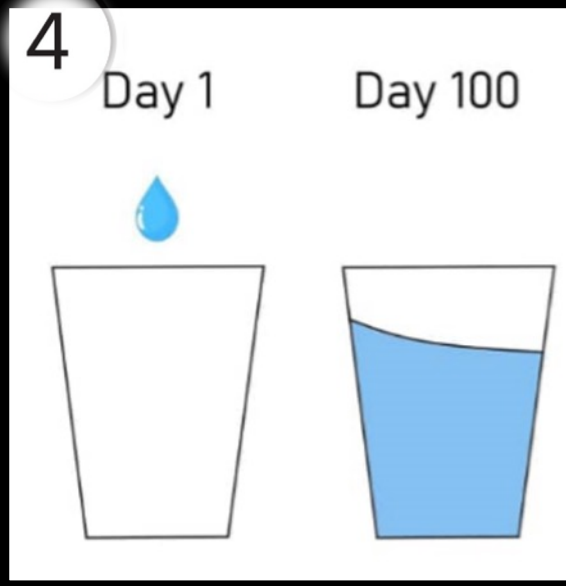
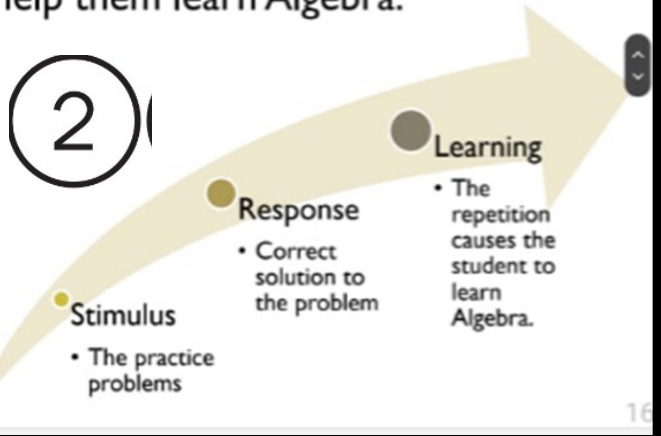


2

- A teacher provides a substantial list of practice problems for students to help them learn Algebra.



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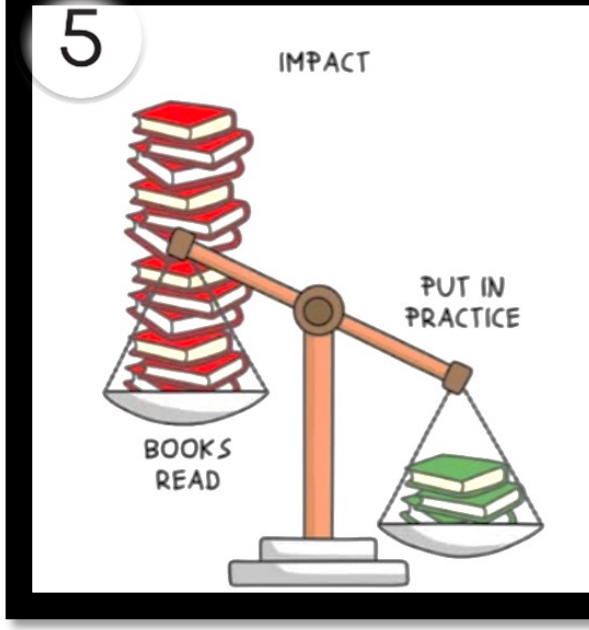
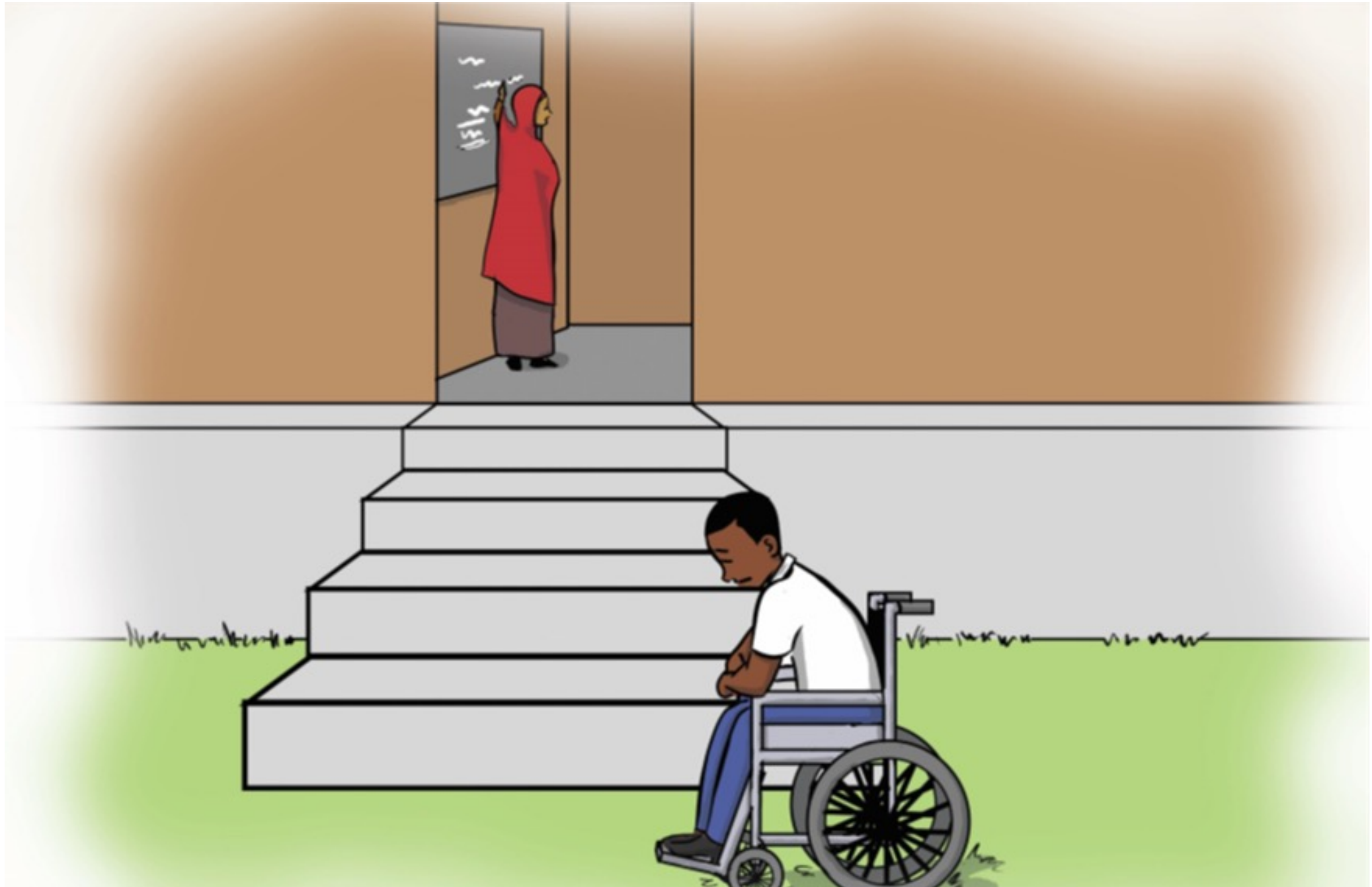


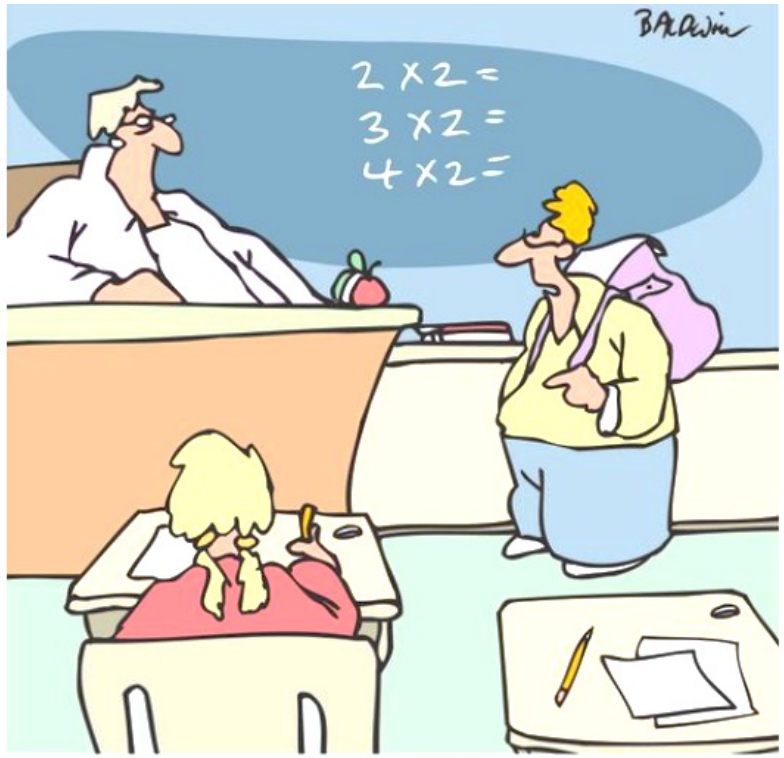
In nutshell,

There are significant differences among theories of learning, but all learning theories seek to understand and explain the learning process

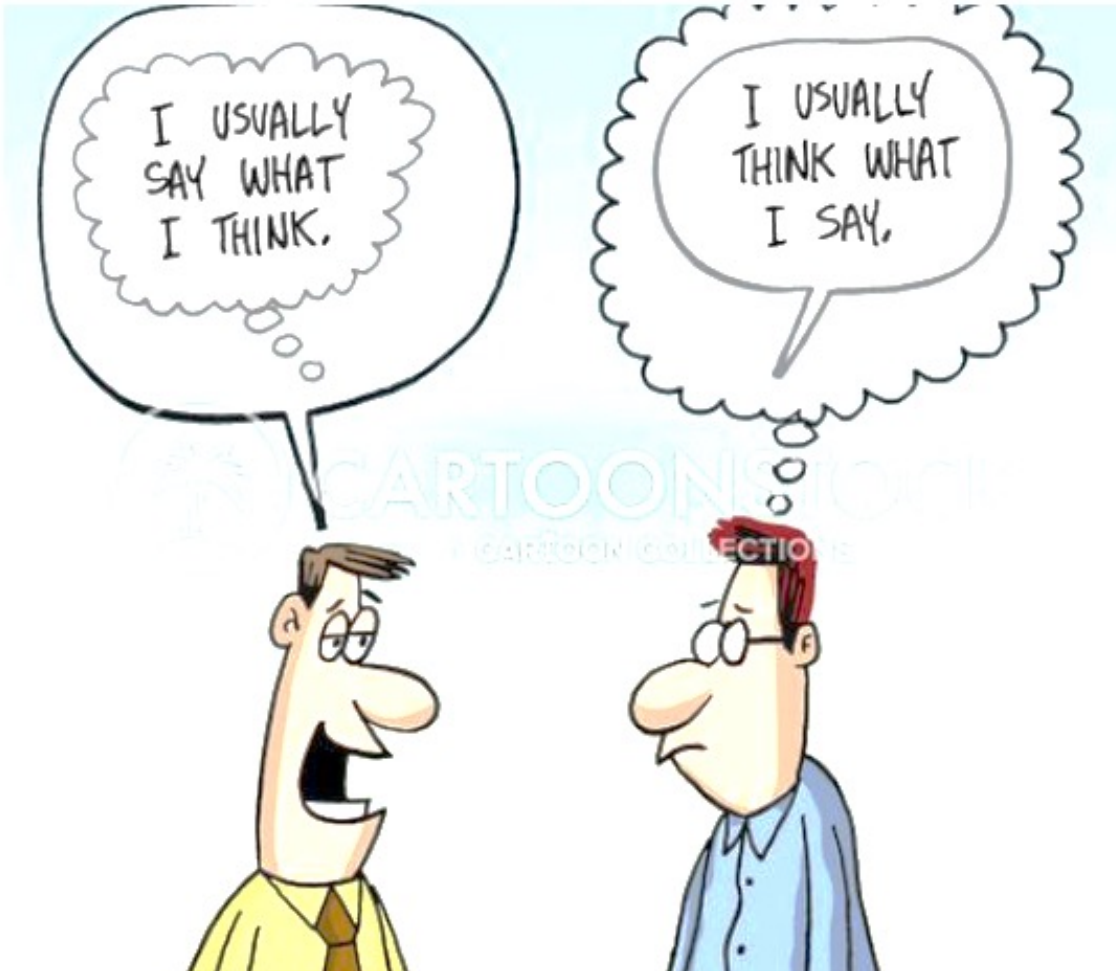
Learning theories focus on understanding how students learn best, and how teaching impacts learning.



Learning Sytles



"I'm not late. Everyone learns at their own speed."



Learning Style

- Teacher should be sensitive to student differences, use different modalities, to reach different learners effectively.
- Learners should accommodate to different situations, some of which match our style and some of which do not.

Each of us receives and processes information differently.

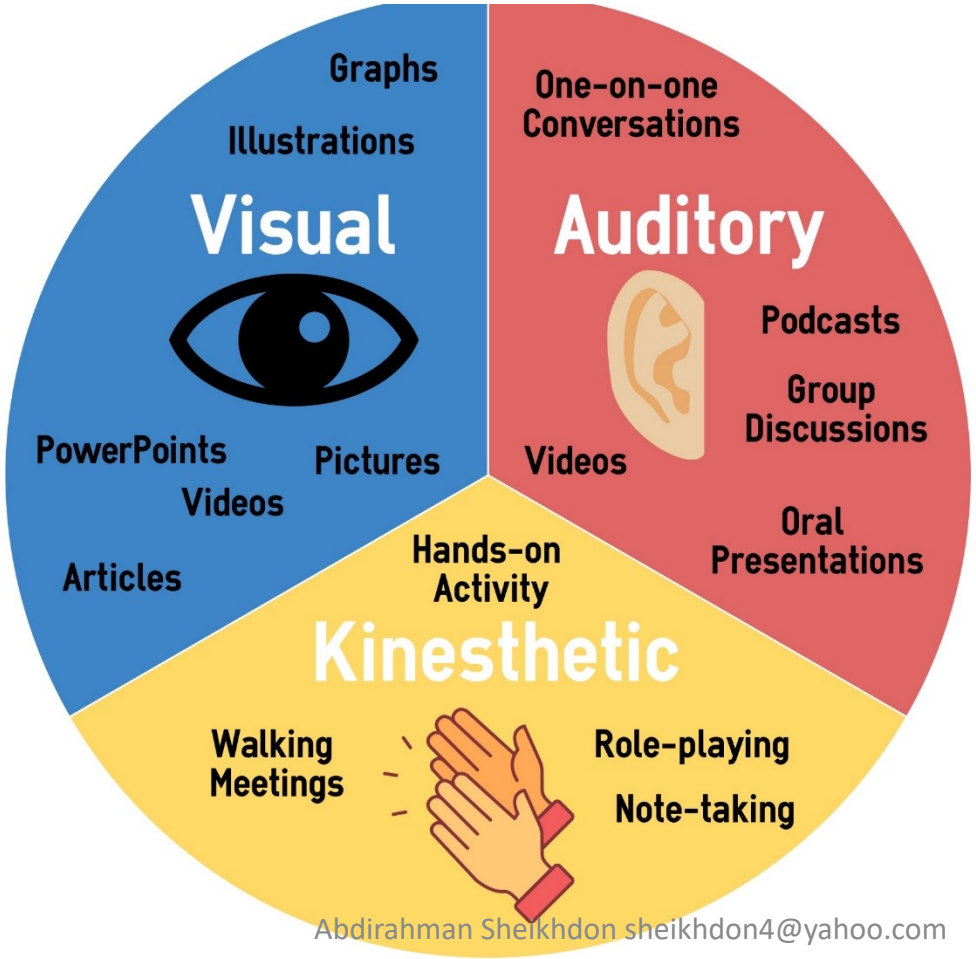
Teachers should make every attempt to know how students learn best.

Intelligence and ability are equal but differently distributed among individuals

Typical school assignments tend to discriminate in favor on against centra in learners.

Style-based instruction increases learning

Understanding learning sytles



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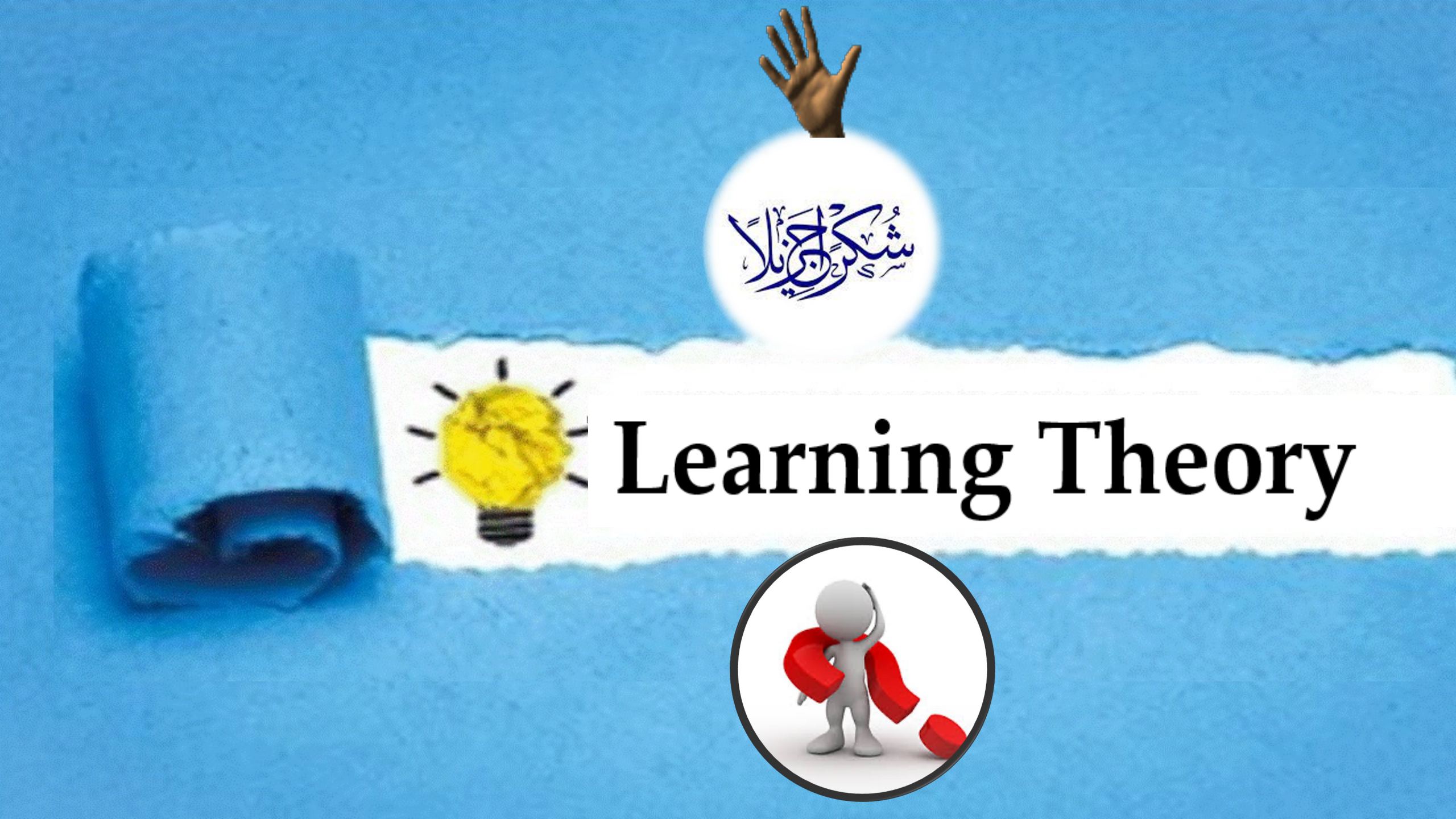
- To test your learning style, scan the below bar code, fill out the questionnaire, and click Ok to see the result.

Reflection

What did you enjoy today that you most valued? (name only three things)

How did this workshop help you rethink your role in academic teaching?

How can you apply what you have valued in your everyday duties?



Learning Theory