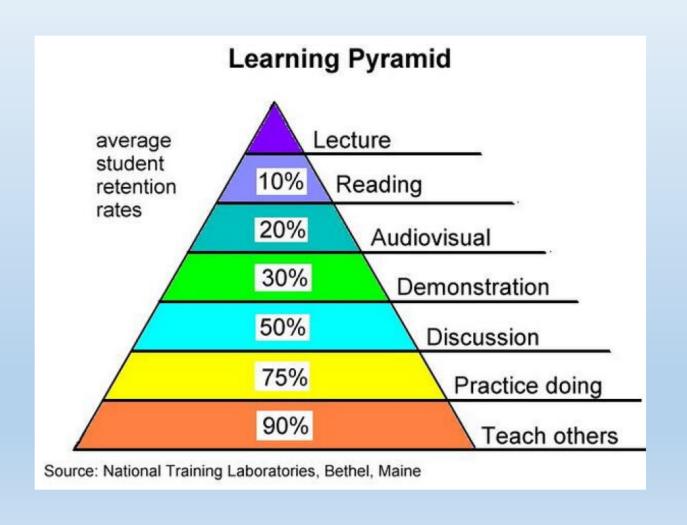
DIFFERENT TYPES OF TEACHING METHODOLOGIES — PART II CLINICAL / PRECLINICAL TEACHING



SHORT SESSIONS BY DENTAL EDUCATION UNIT (DEU), GNIDSR

EXPERIENTIAL LEARNING WORKS ON BLOOMS TAXANOMY



"LEARNING BY DOING" IS THE BEST STRATEGY FOR IMPARTING CLINICAL SKILL IN A STUDENT.

OBSERVE – ASSIST – PERFORM

PEAK RETENTION RATE AFTER 24 HOURS IS 75 % OF KNOWLEDGE IMPARTED

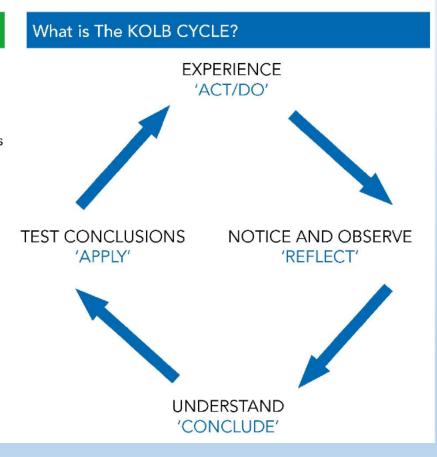
KOLBS CYCLE OF EXPERIENTIAL LEARNING

How does it work?

Learning happens, both formally and informally when:

- We experience something: we act deliberately or something unplanned happens to us
- 2. We take time to explore our reactions and responses to something that we experience
- 3. We understand what happened and draw conclusions from this
- 4. We adapt or modify future decisions and behaviours as a result of the learning process.

If we fail to complete any of these stages, the likelihood is that any perceived learning is incomplete. We may have 'jumped to conclusions' or we may understand but fail to apply the learning in the future.



"BY DOING" THE STUDENT

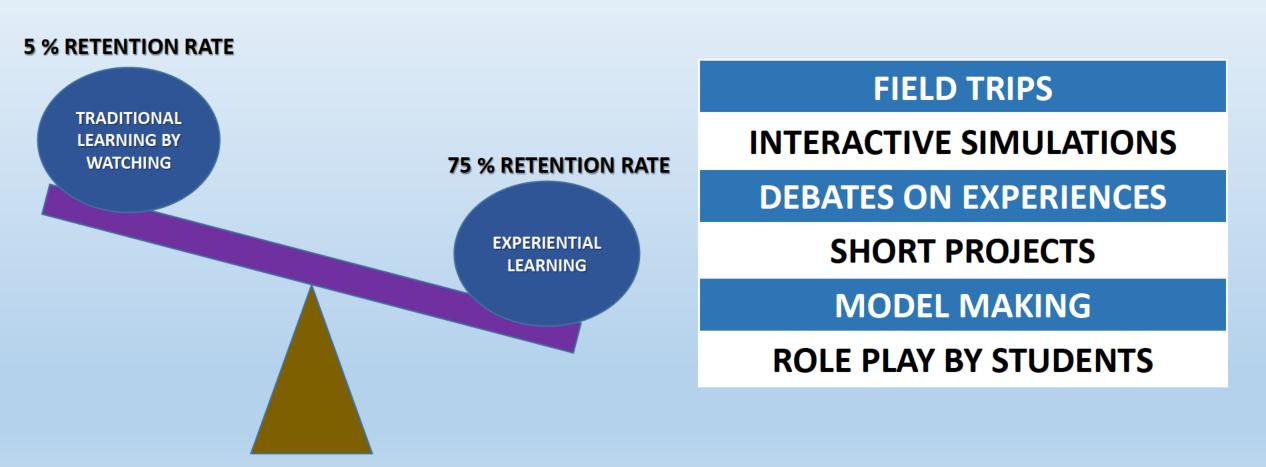
DOES NOT LEARN

LEARNING HAPPENS WHEN THE OTHER THREE STEPS ARE ALSO UNDERTAKEN BY THE TEACHER –

REFLECT, CONCLUDE AND APPLY!!

FOR EXPERIENTIAL LEARNING TO SUCCEED – TEACHER SHOULD BE FACILITATOR, COMPASSIONATE & PATIENT STUDENT SHOULD BE SELF MOTIVATED AND INVOLVED IN DECISION MAKING PROCESS

EXPERIENTIAL LEARNING OR LEARNING BY DOING IS NOT LIMITED TO CLINICS / LABS



ANALYTICAL REASONING – CASE BASED LEARNING CROSSOVER LEARNING

CONVENTIONAL SYSTEM
OF MEDICAL / DENTAL
EDUCATION IN INDIA



PRECLINICAL PHASE (FIRST 2 YEARS)

CLINICAL PHASE (NEXT 3 YEARS)

CRITICIZED FOR CREATING AN ARTIFICIAL DIVIDE BETWEEN BASIC SCIENCES & CLINICAL SCIENCES

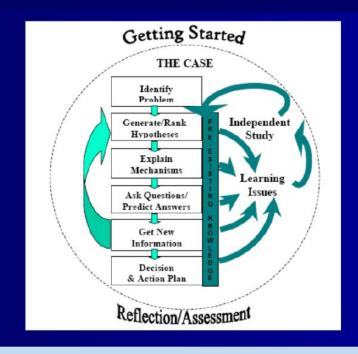
STUDENTS FIND RETENTION OF KNOWLEDGE WITH NO APPARENT RELEVANCE
DIFFICULT AND BORING IN PRECLINICAL YEARS

ANALYTICAL REASONING — CASE BASED LEARNING CROSSOVER LEARNING FOR TEACHING CLINICAL DIAGNOSIS

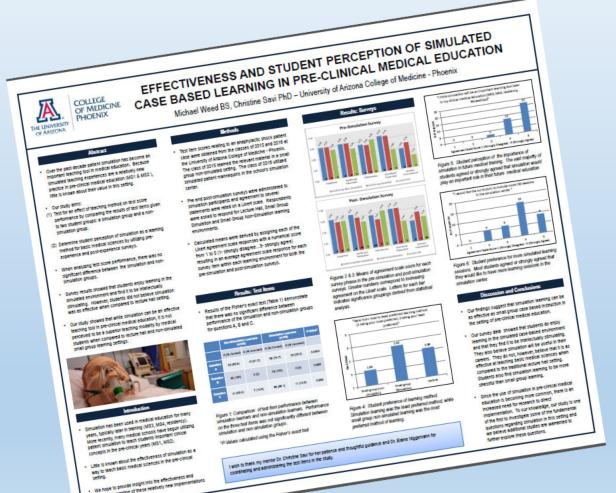
BEFORE CLINICS / CLASS / LAB:

TEACHER DECIDES THE LEARNING OBJECTIVES TEACHER GIVES OPEN ENDED CASE VIA ONLINE LMS **ALSO GIVES KEY INFORMATIONS & PHOTOGRAPHS** STUDENT READS & RESEARCHES MATERIAL PROVIDED STUDENT GENERATES HYPOTHESIS OR DAIGNOSIS STUDENT LEARNS TO ASK QUESTIONS TO SELF STUDENT NOW SEEKS ADDITIONAL INFORMATION **DURING CLINICS / CLASS / LAB -**TEACHER GIVES THE ADDITIONAL INFORMATION TEACHER GUIDES STUDENTS TOWARDS TOPIC / LO

The case serves as a stimulus for learning



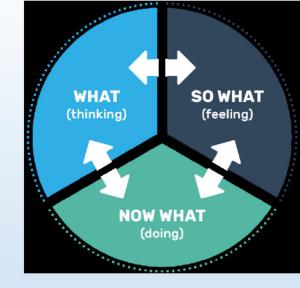
ANALYTICAL REASONING – CASE BASED LEARNING CROSSOVER LEARNING

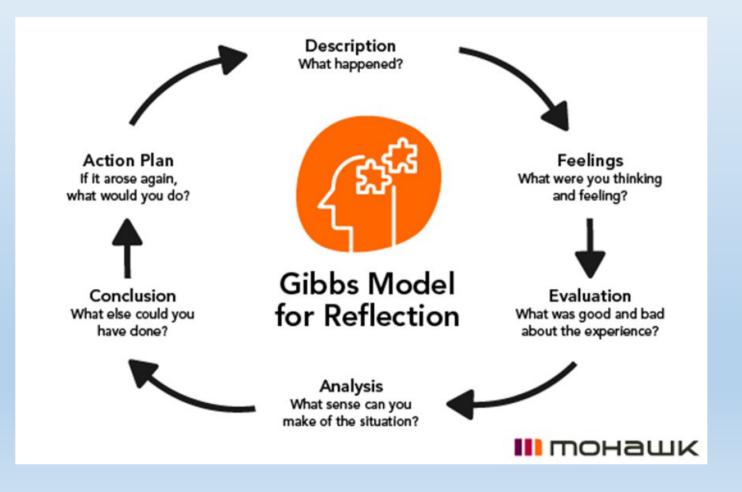


- **STUDENTS ENJOY CASE BASED LEARNINGS**
- **❖IT INCREASES SELF DIRECTED LEARNING**
- **IT ENCOURAGES BRAINSTORMING SKILLS**
- **IT SIMULATES DEEPER LEARNING**
- **IT PROMOTES RESEARCH HABITS**
- **STUDENTS FEELS IT WILL ENHANCE THEIR**

CAREERS

REFLEXION BY GROUP DISCUSSIONS LEARNING BY ARGUMENTS





AFTER CLINICAL SESSIONS
BRINGS OUT THE MISTAKES DONE
USE ENCOURAGING TONE
ENCOURAGE THE NON SPEAKERS
CONTROL BAIS – STAY NEUTRAL
GIVE POSITIVE FEEDBACK
ALWAYS SUMMARIZE

MICROTEACHING – METHOD USED BY SENIOR TEACHERS TO TEACH PGS & JUNIOR FACULTY "THE ART OF TEACHING"

- Teacher asked to prepare a short lesson (usually 20 minutes) for a small group of learners.
- Teacher recorded it on video.
- Then, the teacher, teaching colleagues, a master teacher and the students together viewed the videotape
- Then, they commented on what they saw happening, referencing the teacher's teaching objectives.
- Watching the video and getting comments from colleagues and students provide teachers with an often intense "under the microscope" view of their teaching.

- 1. Skill of introducing a lesson.
- 2. Skill of blackboard writing.
- 3. Skill of promoting pupil's participation.
- 4. Skill of reinforcement.
- 5. Skill of illustrating with examples.
- 6. Skill of probing questions.
- 7. Skill of demonstration.
- 8. Skill of explaining.
- 9. Skill of stimulus variation.
- 10. Skill of questioning [fluency].

STEPS OF MICROTEACHING

10 SKILLS TO BE TAUGHT TO JUNIOR FACULTIES / PGS IN MICROTEACHING

COMMANDING TEACHER IS MEDIATOR TIMES TYPE OF TEACHING OR FACILITATOR ONLY **TEACHER CENTRIC** STUDENT CENTRIC 1990 CHANGING **TEXT BOOK CENTRIC CONCEPT CENTRIC DIDACTIC METHOD** TWO WAY INTERACTIVE METHOD SKILL / CAREER DRIVEN **EXAM DRIVEN**

THANK YOU



A DEU & IQAC INITIATIVE