

## **THREE STEP METHOD OF PROBLEM-BASED LEARNING PBL**

### **WORKING IN GROUPS OF STUDENTS:**

- (1) IDENTIFY WHAT YOU ALREADY KNOW,
- (2) IDENTIFY WHAT YOU NEED TO KNOW, AND;
- (3) IDENTIFY HOW AND WHERE TO ACCESS NEW INFORMATION THAT MAY LEAD TO RESOLUTION OF THE PROBLEM.

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### **THE CONSTRUCTIVIST METHOD OF PBL:**

***PBL STUDENTS LEARN HOW TO ANALYZE A PROBLEM, IDENTIFY RELEVANT FACTS AND GENERATE HYPOTHESES; IDENTIFY NECESSARY INFORMATION/KNOWLEDGE FOR SOLVING THE PROBLEM AND MAKE REASONABLE JUDGMENTS ABOUT SOLVING THE PROBLEM.***

1. LEARNERS ARE PRESENTED WITH A PROBLEM AND THROUGH DISCUSSION/ 'BRAINSTORMING' WITHIN THEIR GROUP, ACTIVATE THEIR PRIOR KNOWLEDGE.
2. WITHIN THEIR GROUP, THEY DEVELOP POSSIBLE THEORIES OR HYPOTHESES TO EXPLAIN THE PROBLEM. TOGETHER THEY IDENTIFY LEARNING ISSUES TO BE RESEARCHED.
3. THEY CONSTRUCT A SHARED PRIMARY MODEL OR MODELS TO EXPLAIN THE PROBLEM AT HAND.
4. FACILITATORS PROVIDE SCAFFOLD, WHICH IS A FRAMEWORK ON WHICH STUDENTS CAN CONSTRUCT KNOWLEDGE RELATING TO THE PROBLEM.
5. AFTER THE INITIAL TEAM WORK, STUDENTS WORK INDEPENDENTLY IN SELF DIRECTED STUDY TO RESEARCH THE IDENTIFIED ISSUES.
6. THE STUDENTS RE-GROUP TO DISCUSS THEIR FINDINGS AND REFINE THEIR INITIAL EXPLANATIONS BASED ON WHAT THEY LEARNED.