



Problem Based Learning (PBL) **“10 Step Process” Student Checklist**

#1: Review the Scenario:

- Analyze the scenario or problem situation with an open mind, being conscious of not jumping to conclusions about how to solve the problem.

#2: List Current Information:

- Use the “Need to Know” worksheet. Identify and gather what information you currently know.

#3: List What You Need to Know:

- Use the “Need to Know” worksheet. Gather, determine and list what you need to know in order to solve the problem, and who you need to contact or what industry resources would help you in finding answers to your questions.

#4: Develop a Plan of Investigation:

- As a team collect, analyze and review data findings. Determine if more research is needed and begin to form theories for a solution. Distribute the PBL work assignments, responsibilities and deadlines among your group members.

#5: Use New Feedback and Insights:

- Re-investigate and review the problem in order to assess the problem and possible solution(s).

#6: Discuss and Organize:

- Evaluate the information gathered for accuracy and relevance.

#7: Determine Solution(s) to the Problem:

- Propose your best solution(s) to the problem, given the information you have gathered.

#8: Brainstorm Several Alternate Solutions:

- Determine various alternate solutions based on the evaluation of the problem and information gathered.

#9: Evaluate Possible Solution(s) to the Problem:

- Take into consideration factors such as cost, feasibility, timeliness, customer or client requirements, technical specification, etc.

#10: Present the Team’s Solution:

- Describe the process of determining the problem, the process of evaluating solutions, and the reason for selecting the particular solution that is being presented.