Concepts addressed in this course: Major cognitive processes associated with student learning: problem structuring and problem solving

Students should refer to:


Specifically, students should review:
Problem Solving Methods
Five-Step Problem Solving
1. Identify & clarify  
2. Gather information  
3. Evaluate the evidence  
4. Consider alternatives and implications  
5. Choose and implement best alternative
KWL charts
1. Visual organizer for problem or question  
2. K – knowledge  
3. W- wonderings  
4. L – Learned  
5. Sometimes an H is included between the W & L for “How should we learn this?”
Facilitated Social Problem Solving Method during Interaction
Isolating/neutralizing the object of “problem”
Identifying the problem – “You both want this _____, that’s a problem.”
Giving ownership of the problem – “You have a problem.”
Generating solutions – brainstorming
Solution selection
1. both parties need to agree to try solution  
2. if no agreeable solution – go back to generating solutions
Solution statement
3. Who will do what  
4. How will she/he do it  
5. By when
Monitoring the situation
6. Follow up on solution  
7. Note if solution is followed  
8. If so – positively reinforce interaction – “You solved the problem!”  
9. If not – go back to solution generation

Helpful websites include: