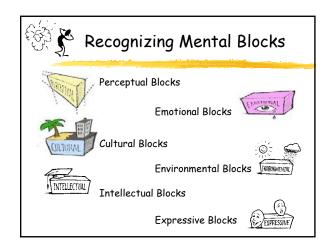


🕅 🚰 Recognizing Mental Blocks

- The first step to becoming a better problem solver is to understand what conceptual blocks are and how they interfere with problem solving.
- A conceptual block is a mental wall that prevents the problem solver from correctly perceiving a problem or conceiving its solution.
- The most frequently occurring conceptual blocks are perceptual blocks, emotional blocks, cultural blocks, environmental blocks, intellectual blocks, and expressive blocks.

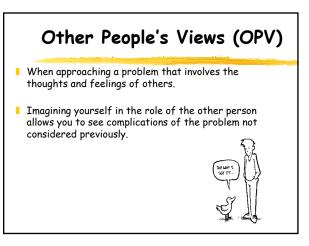


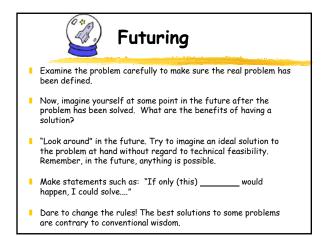
Osborn's Checklist				
A technique used to generate additional ideas related to those already defined				
Osborn's Checklist for Adding New Ideas				
Adapt?	How can this idea be used as is? What are other uses it could be adapted to?			
Modify?	Change the meaning, material, color, shape, odor, etc.?			
Magnify?	Add new ingredient? Make longer, stronger, thicker, higher, etc.?			

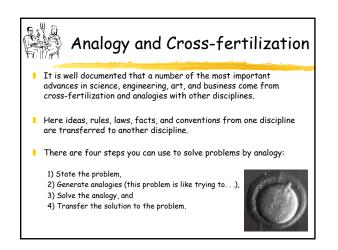
Osborn's Checklist				
Osborn's Checklist for Adding New Ideas				
Minify?	Split up? Take something out? Make lighter, lower, shorter, etc			
Substitute?	Who else, where else, or what else? Other ingredient, material, or approach?			
Rearrange?	Interchange parts? Other patterns, layouts? Transpose cause and effect? Change positives to negatives?			
Combine?	Combine parts, units, ideas? Blend? Compromise?			

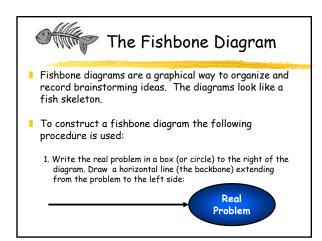
Random Stimulation

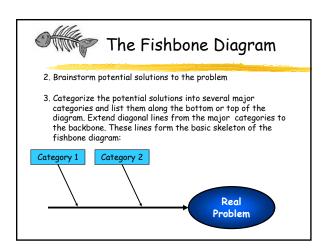
- Random Stimulation is a technique which is especially useful if we are stuck or in a rut. It is a way of generating totally different ideas than previously considered and can "jump start" the idea generation process and get it out of whatever current rut it may be in.
- Introduce "*weird*" ideas during brainstorming.
- Choose randomly a word from the dictionary. Use that word to generate other words that can simulate the flow of ideas.

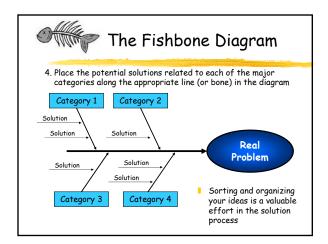


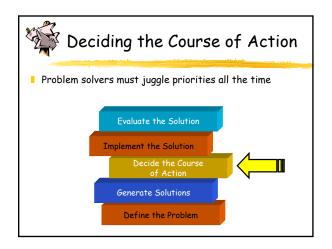


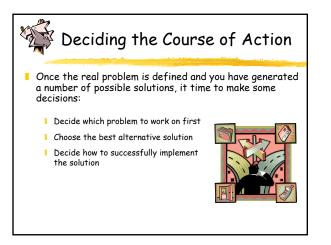


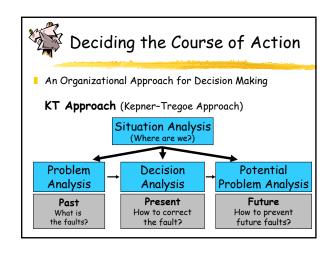


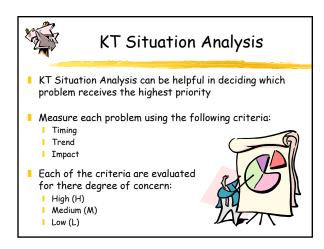


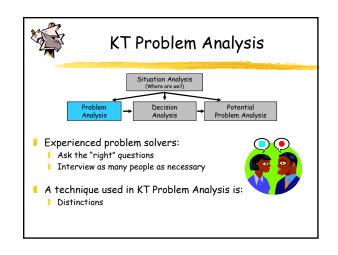


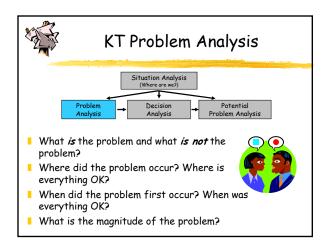


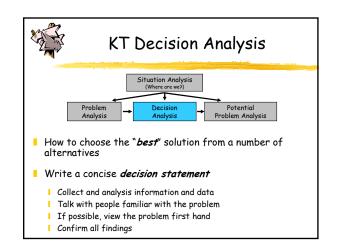


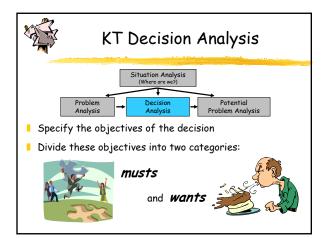


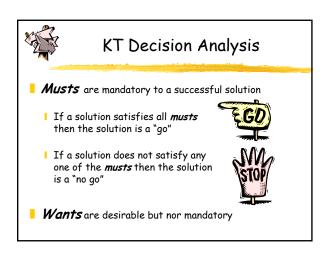


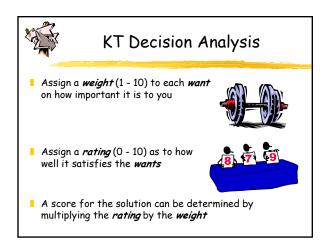




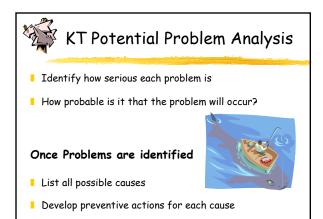


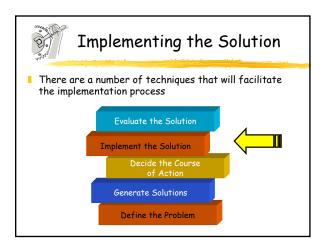


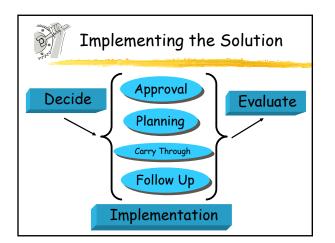


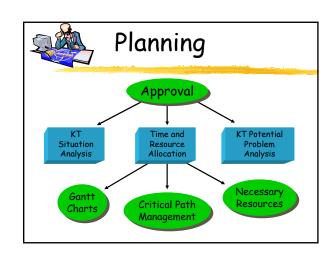


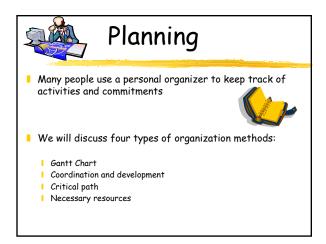
KT Potential Problem Analysis (Where are we?) Problem Analysis Problem Analysis Problem Analysis					
Problem	Causes	Actions	Actions		
A.	1.				
-	2.				
	1.				
В.					

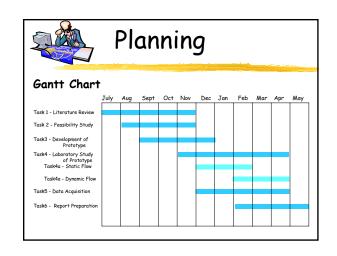


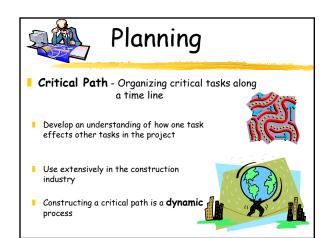


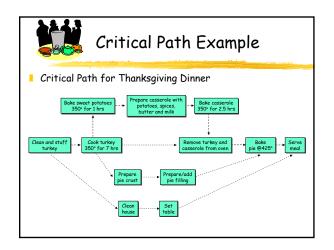




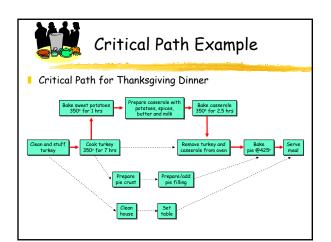


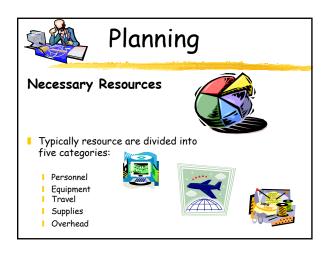












Planning	
I. Salaries and Wages A. Principal Investigator, C.V. Camp Summer, 2 month @ 66.67% Extra Compensation (1 month academic year @ 11.11%) B. Shahram Pezaehk Summer, 2 month @ 66.67% Cargo academic year @ 11.11%) C. UK argo academic year @ 11.11%) C. UK argo academic year @ 11.11%) Subtratal	\$ 14,925 \$ 7,462 \$ 14,925 \$ 7,462 <u>\$ 15,360</u> \$ 60,134
Subtrain I II. Fringe Benefits © 17.65% of IA+IB III. Travel IV. Operating Expenses	\$ 7,903 \$ 2,000 \$ 15,000
V. Subcontract - Dr. Russell Deaton - The University of Arkansas Total Direct Cests VI. Facilities & Administration Costs @ 15% MTDC Total Project Costs	\$ 37,597 \$ 122,634 \$ 18,395 \$ 141,029



