

Find a problem	Analyse Problem	Choose Solving Style	Generate Ideas	Select and Implement Solution	Barriers and Communication
<p>Problem form co-op</p> <p>Technical Problem</p> <p>Problem caused by high cost</p> <p>From newspaper, articles or FACTIVA.</p>	<p>Gather Data</p> <p>Determine causes</p> <p>Determine problem owners & stakeholders</p> <p>Identify and manage risks</p> <p>Draw FISHBONE diagram.</p>	<p>Base on deadline, budget, and team composition, choose one of the below</p> <p>Convergent:</p> <ul style="list-style-type: none"> - Low risk, low - medium cost, direct, effective, but lack of creativity and not comprehensive. <p>Divergent:</p> <ul style="list-style-type: none"> - Requires a lot of time and attempts, expensive as well, but comprehensive, creative and potentially very effective. 	<p>Individual and group Brainstorm</p> <p>Mind maps</p> <p>Relax & Play!</p> <p>Visual Thinking</p> <p>The Disney Creative Strategy</p> <p>TRIZ</p> <p>(For the last 2, visit https://learn.uwaterloo.ca/content/enforced/195353-PD6_082_cel_1155/lecture-content/unit-05/unit-05-instructor-presentation/index.htm?ou=195353)</p>	<p>Use the Weight Matrix Comparison method to compare possible solutions</p> <p>Break down the best solution into 3 or more steps, fill in each step with clear instructions. State the timelines, resources, people , and costs needed.</p> <p>(Example, visit https://learn.uwaterloo.ca/content/enforced/195353-PD6_082_cel_1155/lecture-content/unit-06/unit-06-instructor-presentation/index.htm?ou=195353)</p> <p>Choose a back-up solution.</p>	<p>Avoid:</p> <ul style="list-style-type: none"> - Making assumptions - emotional - egocentric thinking - poor communication <p>Understand:</p> <ul style="list-style-type: none"> - Individual culture - Workplace culture <p>Report:</p> <ul style="list-style-type: none"> - Social and physical Barriers - Management style - Distractions - Lack of Resources <p>A difficult conversation is needed: download the <u>Managing Difficult Conversations Worksheet</u> (RTF) from https://learn.uwaterloo.ca/d2l/le/content/195353/viewContent/1181366/View</p>