





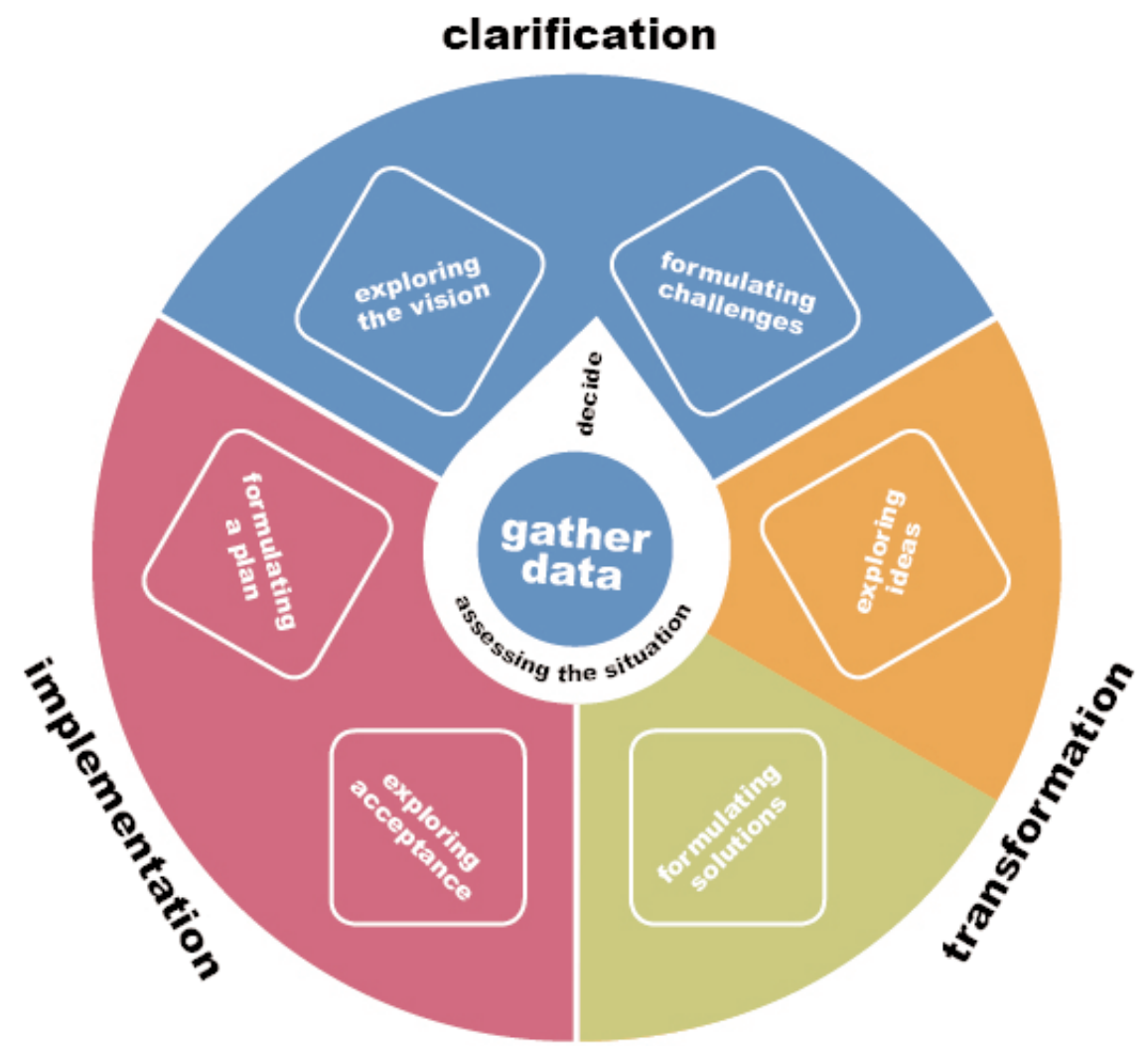


Process Overview

	Clarify	Ideate	Develop	Implement			
CPS stage	 Exploring the Vision	 Formulating Challenges	 Exploring Ideas	 Formulating Solutions	 Exploring Acceptance	 Formulating a Plan	
when to start	You want to develop a vision of a desired outcome.	You want to pinpoint the right problem to solve.	You need novel, useful ideas to solve your challenge.	You want to turn promising ideas into workable solutions.	You need the environment to support your thinking.	You want to implement a solution.	
statement starters	I wish... It would be great if...	How to... In what ways might... How might... What might be all the...		"What I see myself (us) doing is..."		Action Verbs	
sample questions	What are some goals, dreams or visions you'd like to begin or accomplish this year? What do you wish worked better? What challenges do you face? Who's been on your mind lately? Why?	Why? Why else? What's stopping you? What else?	What are all the ideas you can imagine for solving this challenge? What ideas can you get from pictures, objects, or other situations?	Pluses: What do you like about the idea? Potentials: What opportunities does the idea suggest? (It might...) Concerns: What concerns do you have about the idea? (How to...)	Who might assist? Who needs to be convinced? What resources are available? How might you get acceptance & enthusiasm for your idea? How might you pre-test the solution?	Who are the immediate, short-term, intermediate, and long term action steps? Who does what by when, reporting completion to whom?	
tools	Generate statements of your goals, wishes and challenges. Check for ownership, motivation and imagination	Brainstorm Problem Challenges Ladder of Abstraction Highlighting (hits, cluster, restate)	Brainstorming Brainwriting Forced connections Highlighting (hits, cluster, restate)	PPCo Pluses, Potentials, Concerns, Overcome concerns Matrix, Card Sort	Assistors & Resistors Stakeholders Analysis	Sequencing Action Steps How-How diagram Perf. Dashboard	
outcome of stage	A statement of the goal, wish or challenge that begins with "I wish..." or "It would be great if..."	A well-defined statement of the challenge	An idea or a selected list of ideas that will solve the challenge	Well developed, detailed and improved solutions, phrased: "What I NOW see myself (us) doing is..."	An analysis of what forces will help or hinder your implementation of solution.	A plan for implementing solutions and sustaining momentum.	

Assess the Situation	Gather Data Decide	Gather Data Decide	Gather Data Decide	Gather Data Decide	Gather Data Decide	Gather Data Decide
----------------------	-----------------------	-----------------------	-----------------------	-----------------------	-----------------------	-----------------------

Creative Problem Solving



The Expert Model:

An Introduction to The Thinking Skills Model

Adapted from Firesien, Miller & Vehar (2000); Puccio, Murdock & Mance (2007); and Nielsen & Thurber (2010)

Adapted from Firesien, Miller & Vehar (2000); Puccio, Murdock & Mance (2007); and Nielsen & Thurber (2010)