## Tab 3, Handout 1 Problem Solving Process Map

rea 1: Understandin	a the Brohlem	sg rrocess map	
rea 1. Onderstandin	ig the Problem		
1. Read/Reread	2. Paraphrase	3. Visualize	4. Work in pairs
(for understanding)	(your own words)	(mentally or drawing)	or small groups
5. Identify Goal	6. Identify Required	7. Identify	8. Detect Missing
or Unknown	Information	Extraneous Information	Information
9. Define/Translate	10. Check Conditions	11. Share Point of	12. Others as Needed
Use a dictionary	and/ or Assumptions	View with Others	
>	Area 2: Devising a Plan	n to Solve the Problem	<del></del>
1. Estimate (quantity,	2. Revise 1 <sup>st</sup> Estimate,	3. Share/Discuss	4. Work in pairs
measure or magnitude)	2 <sup>nd</sup> estimate & so on	Strategies	or small groups
5. Explain why	6. Each try a common	7. Reflect on Possible	8. Others as Needed
the plan might work	strategy or a different one	Solution Processes	
<del>,</del>	Area 3: Implemen	ting a Solution Plan	$\longrightarrow$
1. Experiment with	2. Allow for	3. Show all of my work	4. Work in pairs
Different Solution Plans	"Mistakes"/Errors	Including partial solutions	or small groups
5. Discuss with others	6. Keep track and save	7. Compare attempts to	8. Find solution
Different Solution Plans	all results/data	solve similar problems	Do not give up
9. Implement your	10. Attempts could be as	11. Check your	12. Others as Needed
own solution plan	important as the solution	Answer(s)/Solution(s)	
	Area 4: Reflecting on th	e Problem: Looking Baci	· · · · · · · ·
1. Reflect on plan	2. Reflect on plan	3. Check if all problem	4. Make sure I can
after you have an answer	while finding the answer	conditions were made	justify/explain my answer
5. Check if correct	6. Check that I answer	7. Check if answer is	8. Reflect for possible
assumptions were made	the problem question	unique or there are others	alternative strategies
assumptions were made  9. Reflect about possible	the problem question  10. Look for ways to	unique or there are others  11. Reflect on similarity/	alternative strategies  12. Others as Needed