

## CSA 151 Technology and society group problem analysis and presentation

1. Identifies and summarizes problem.

<b>Not Developed</b>	<b>Minimally Developed</b>	<b>Moderately Developed</b>	<b>Substantially Developed</b>
Does not identify problem or incorrectly identifies problem.	Identifies problem but does not summarize associated issues.	Identifies problem and summarizes associated issues, but does not expand on all relationships or aspects of the problem.	Identifies problem and summarizes associated issues, expands on all relationships or aspects of the problem. Shows insight into nuances of problem.
Does not show understanding of the issue.	Shows a basic understanding of the issue.	Shows a good understanding of the issue, but may not appreciate all of the nuances of the issues.	Shows a good understanding of the issue as well as nuances of the issue.

2. Identifies and describes assumptions that guided solution. For example, your starting data does not indicate how many households make up the society. You could assume that they live in some number of independent households or that they engage in some form of communal living and develop your solution with that assumption in mind.

<b>Not Developed</b>	<b>Minimally Developed</b>	<b>Moderately Developed</b>	<b>Substantially Developed</b>
Does not document assumptions.	Some assumptions are documented, but are not relevant or reflected in solution.	Assumptions are documented, but are not fully integrated into the solution.	Assumptions are well-documented and integrated into solution.
	For example, may indicate that assumptions were made about how many households made up the society, but then create solution that does	For example, may indicate that assumptions were made about how many households made up the society, but then create solution that only	

	not address individual households.	partially uses that assumption.	
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3. Identifies and justifies solution

<b>Not Developed</b>	<b>Minimally Developed</b>	<b>Moderately Developed</b>	<b>Substantially Developed</b>
Does not describe or justify solution.	Describes solution adequately, but does not justify solution.	Describes solution fully, some justification.	Describes and justifies solution with well thought-out and complete rationale.
For example, may have a list of generic items such as computers to be bought for the society, but does not show any rationale for those purchases.	For example, may include a plan for sustainability but plan is not workable or appropriate. List of items to be bought for society may not be complete or always appropriate.	For example, may include a plan for sustainability but plan has some flaws.	

4. Identifies possible outcomes/societal impacts due to changes (influence of context)

<b>Not Developed</b>	<b>Minimally Developed</b>	<b>Moderately Developed</b>	<b>Substantially Developed</b>
Does not address possible outcomes.	Identifies possible outcomes, but does not expand or justify.	Identifies possible outcomes with some justification, but analysis may be flawed or not fully appropriate.	Identifies multiple possible outcomes with well-thought out justification and analysis.

5. Identifies supporting data

<b>Not Developed</b>	<b>Minimally Developed</b>	<b>Moderately Developed</b>	<b>Substantially Developed</b>
Does not include any rationale/references for money recommended to be spent.	Includes some rationale/references for money spent, but amounts or methods may be inappropriate.	Includes rationale/references for money spent with appropriate amounts, but references may not all be relevant or some rationale may be flawed.	Includes appropriate rationale/references for all items. Includes no magic numbers for any items purchased by the society.
	For example, stating that you would buy 200 computers on ebay for 300 each.	For example, stating that a car manufacturer has agreed to build a factory for X dollars or that 30 teachers will be hired for a year for 400 students.	

6. Solution is creative and sustainable

<b>Not Developed</b>	<b>Minimally Developed</b>	<b>Moderately Developed</b>	<b>Substantially Developed</b>
Solution simply lists a few items bought for the society with the bulk of the money placed in a bank account for future needs.	Solution is somewhat thought-out and includes reasonable use of money, but is still primarily a list of items bought and does not include a plan for sustainability.	Solution is mostly thought-out and includes reasonable immediate use of money and a plan for sustainability, but sustainability plan may not be appropriate.	Solution is well thought out and includes a sustainable plan for future development of the society.
		For example, buying a fishing lure company from ebay.	

7. Presentation is cohesive and complete

<b>Not Developed</b>	<b>Minimally Developed</b>	<b>Moderately Developed</b>	<b>Substantially Developed</b>
<p>Presentation is minimal, and not cohesive. Group appears to have worked on separate components of solution without much group consultation.</p>	<p>Presentation is minimal, but cohesive. Substantial items are left out or not clear. Group appears to have mostly worked together somewhat on presentation.</p>	<p>Presentation is adequate and cohesive, but may leave some items out or be rushed or not clear. Group appears to have worked together on presentation.</p>	<p>Presentation is complete, clear, and cohesive. Group appears to have worked together on presentation.</p>
<p>For example, one person in group uses PowerPoint, one reads from a sheet, and one speaks extemporaneously.</p>	<p>For example, solution is not fully documented/justified in presentation, but does use common materials between group members.</p>		

CSA 151 Technology and society individual reflection and analysis

1. Identifies own perspective and position as it relates to the problem.

Not Developed	Minimally Developed	Moderately Developed	Substantially Developed
Does not identify own perspective.	Identifies own perspective on one or two points, but does not elaborate.	Identifies own perspective on multiple points with minimal elaboration or explanation for each.	Identifies own perspective on multiple points with in-depth elaboration or explanation.
	"I felt that we had a great solution"		"I disagreed with this aspect of our plan because I felt that it was unfair to the older population. I felt this way because..."

2. Identifies/analyzes group interactions/dynamic

Not Developed	Minimally Developed	Moderately Developed	Substantially Developed
No or almost no mention of group interactions.	Mention of group dynamic is basically a chronology. No mention of divergent ideas.	Identifies and somewhat analyzes group dynamic, but does not fully elaborate.	Identifies and fully analyzes group dynamic with substantial elaboration.
"We worked together great"	"We did this, then we did this, then we did this ."	"Some people did not take it seriously"	"I felt that the group was too focused on minima because..."

3. Identifies/analyzes problem in terms of relationship to course content/objectives.

<b>Not Developed</b>	<b>Minimally Developed</b>	<b>Moderately Developed</b>	<b>Substantially Developed</b>
Does not discuss relationship of problem to course.	Some mention of relationship to past course materials, but no elaboration.	Mention of relationship of problem to course materials with some elaboration.	Mention of relationship of problem to course materials with elaboration and specific examples.