Rubric for Problem Solving

The main purpose of a rubric is to help you do your best work. Use the rubric to make sure you understand what you are expected to learn. Is all of your work best described by column 4? If not, what can you improve? If you have access to a printer, you may want to print the rubric for reference as your work through the activities. Ask your teacher for help if you have any questions about the rubric.

	4	3	2	1
Problem Definition	The problem is defined objectively,	The problem is defined objectively,	The problem is defined, but not objectively,	The problem is not defined and point of
	with clear understanding	with understanding	and with a	view is not understood.
	of different points of view,	of different	vague understanding of different	
	and all assumptions	points of view, but some assumptions	points of view.	A survey is not a good way to approach the
	are explicitly stated.	may not be recognized.	Approaches other than a survey are	issue used to define the problem.
	A survey is the best way to approach the issue used to define the problem.	A survey is a good way to approach the issue used to define the problem.	better for the issue used to define the problem. The problem is focused but is	The problem is too broad to be made effectively. Many
	The problem is focused, interesting, and important to most people.	The problem is focused, interesting, and important to many people.	only interesting or important to some people. Questions are	questions are not relevant to the problem.
	Questions provide original insights about important aspects of the problem.	Questions are relevant to the problem and address all important aspects of the problem.	relevant to the problem, but they do not address some important aspects of the problem.	
Information Gathering	A variety of credible	At least two types of	At least two types of	All appropriate and credible
	sources that provided accurate and reliable	sources are located without assistance, and all sources are	sources are located without assistance, but some sources	sources are located with assistance.
	information are located.	appropriate and credible.	may not be appropriate or credible.	Keywords are not identified or not used.
	Specific and relevant keywords are	General and relevant keywords are	Vague and relevant	Notes do not relate to

		1	1	,
	used to narrow	used to narrow	keywords are	research
	search results	search results	used to narrow	questions or do
	and improve	and improve	search results	not summarize
	the quality of	the quality of	and improve	or paraphrase
	hits.	hits.	the quality of	relevant
			hits.	information.
	Notes use	Notes use		
	summaries,	summaries or	Notes use	
	paraphrase,	paraphrase,	summaries or	
	and direct	and direct	paraphrase to	
	quotes to	quotes to		
			capture some information	
	capture	capture		
	detailed	general	related to	
	information	information	research	
	related to	related to	questions.	
	research	research		
	questions.	questions.		
Alternative	Reasonable	Reasonable	Reasonable	Reasonable
Approaches	alternatives	alternatives	alternatives	alternatives
	representing	from at least	from a single	are not
	multiple points	two points of	point of view	identified or
	of view are	view are	are identified	developed.
	identified and	identified and	and developed.	
	developed.	developed.		Graphic
			An appropriate	organizers are
	Different kinds	Appropriate	graphic	not used or are
	of graphic	graphic	organizer is	not used
	organizers are	organizers are	used to	appropriately.
	used to	used to	develop at	
	develop	develop	least one	Graphic
	alternative	alternative	alternative	organizers, if
	approaches	approaches to	approach to	included, do
	from different	the problem	the problem.	not have a
	points of view.	from at least	the problem.	clear purpose,
	points of view.	two points of	Graphic	or they use
	Graphic	view.	organizers	inaccurate or
	organizers		show	irrelevant
	show	Craphia	information	information.
		Graphic		initormation.
	important	organizers	used to	
	concepts that	show	develop	
	clearly and	information	alternatives,	
	logically	used to	but some of	
	explain all	develop	the information	
	important	alternatives,	may be	
	aspects of	but the	inaccurate or	
	alternatives.	alternatives	irrelevant.	
		may not be		
		fully explained.		
Writing	All words are	Almost all	Several words	Many words
Mechanics	spelled and	words are	are misspelled	are misspelled
	capitalized	spelled and	or capitalized	and capitalized
	correctly.	capitalized	incorrectly.	incorrectly,
	5	correctly.		making the
	spelled and capitalized	Almost all words are spelled and capitalized	are misspelled or capitalized	are misspelled and capitalized incorrectly,

All sentences		Several	information
are punctuated	Almost all	sentences are	hard to
correctly.	sentences are	punctuated	understand.
	punctuated	incorrectly.	
	correctly.		Many
			sentences are
			punctuated
			incorrectly,
			making the
			information
			hard to
			understand.