

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 you work through the activities. Ask your teacher for help if you have any questions about the rubric.

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

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

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