

Assessing Projects: Demonstrating Understanding Designs: Playground Design Project Rubric

Sample Elementary Rubric

The following rubric is taken from *Playground Design* in *Visual Ranking*.

Playground Design Project Rubric

Category	4	3	2	1
Content	<p>We carefully and accurately collected, graphed and analyzed data.</p> <p>We consistently used data to make decisions, solve problems, and effectively persuade others.</p> <p>We used appropriate geometric models to plan, problem-solve, and design a playground correctly to scale that makes the best possible use of the space.</p>	<p>We collected, graphed and analyzed data.</p> <p>We often used data to make decisions, solve problems, or persuade others.</p> <p>We used appropriate geometric models to plan and design a playground correctly to scale that makes good use of the space.</p>	<p>We collected, graphed and analyzed data, but with some errors.</p> <p>We sometimes used data to make decisions, solve problems, or persuade others.</p> <p>We used geometric models to plan and design a playground that was mostly to scale, but we could have made better use of the space.</p>	<p>We attempted to collect, graph and analyze data, but our work has many errors.</p> <p>We rarely or never used data to make decisions, solve problems, or persuade others.</p> <p>We used geometric models to design a playground, but the scale was incorrect and/or we did not use the space well.</p>
Visual Representation	<p>We used a detailed and organized chart and accurately scaled map to communicate playground design elements.</p> <p>We displayed our data using bar graphs that are accurate, easy to read, and that support and prove key points of the message.</p> <p>We included the final <i>Visual Ranking</i> list and</p>	<p>We used a chart and scaled map to communicate playground design elements. Items may contain minor errors but they do not interfere with the message.</p> <p>We displayed our data using bar graphs. The graphs are accurate and support key points.</p> <p>We included the final <i>Visual Ranking</i> list and explained how we</p>	<p>We used a chart and map to communicate playground design elements, but the chart is somewhat disorganized and/or the scaled map contains several errors which interferes with the message.</p> <p>We displayed our data using bar graphs. The graphs contain a few errors and/or don't always appear to support key points.</p> <p>We included the final</p>	<p>We attempted to use a chart and map to communicate playground design elements, but the chart is incomplete and or disorganized and the map is not to scale or contains many errors.</p> <p>We attempted to display our data using bar graphs, but the graphs contain many errors or are difficult to read. Graphs fail to support key points.</p> <p>We failed to include</p>

	explained in detail how we arrived at the list and how it helped us to make decisions.	arrived at the list.	<i>Visual Ranking</i> list.	the final <i>Visual Ranking</i> list.
Decision-Making Processes	We used several different decision-making processes to create a safe and enjoyable playground design.	We used some decision-making processes.	We needed assistance in choosing decision-making processes.	We did not use decision-making processes.
Communication	<p>We clearly explained the processes we used to decide which items to include in the new playground design.</p> <p>We effectively used math to communicate and persuade. Our data proved our points.</p> <p>We clearly and effectively addressed the Essential Question: <i>How can our voice be heard?</i></p>	<p>We explained the processes fairly well.</p> <p>We used math to communicate and persuade. Our data supported our points.</p> <p>We addressed the Essential Question.</p>	<p>We tried to explain the processes, but our explanation was often confusing.</p> <p>We attempted to use math to communicate and persuade, but our data only partially supported our points.</p> <p>We attempted to address the Essential Question but our message was unclear.</p>	<p>We did not explain the processes or our explanation was very confusing.</p> <p>We did not use math to communicate and persuade. Our data did not support our points.</p> <p>We did not address the Essential Question.</p>
Presentation and Organization	<p>Our information is presented in an organized way.</p> <p>We planned our presentation with our audience in mind. The presentation was directed to our targeted listeners.</p>	<p>Most of our information is presented in order.</p> <p>We considered our audience.</p>	<p>Some of our information is out of order.</p> <p>At times we appeared to consider our audience, but we were not consistent throughout the presentation.</p>	<p>Our information is disorganized.</p> <p>We failed to consider our audience.</p>
Completion	We successfully completed all parts of the task.	We completed most parts of the task.	We completed some parts of the task.	Our work is incomplete.