



**Figure 3.11. Planning a Playground Rubric: Practitioner Column**

|                           | Novice | Apprentice | Practitioner  | Expert |
|---------------------------|--------|------------|---|--------|
| <b>Calculations</b>       |        |            | accurately determines: <ul style="list-style-type: none"> <li>▪ length of schoolyard</li> <li>▪ width of schoolyard</li> <li>▪ perimeter of schoolyard</li> <li>▪ area of schoolyard</li> </ul>   |        |
| <b>Playground Diagram</b> |        |            | uses graph paper to chart: <ul style="list-style-type: none"> <li>▪ perimeter and area of schoolyard</li> <li>▪ perimeter, area, and placement of sports fields</li> <li>▪ perimeter, area, and placement of basketball court</li> <li>▪ dimensions and placement of equipment</li> </ul> |        |
| <b>Equipment Data</b>     |        |            | includes: <ul style="list-style-type: none"> <li>▪ survey questions</li> <li>▪ survey of 50 students</li> <li>▪ data displayed in bar graph</li> <li>▪ graph labels and key</li> <li>▪ predictions made for entire student body based on sample polled</li> </ul>                         |        |
| <b>Budget</b>             |        |            | accurately determines cost of playground equipment  |        |
| <b>Written Proposal</b>   |        |            | <ul style="list-style-type: none"> <li>▪ includes explanation of design</li> <li>▪ supports design with references to calculations and data</li> <li>▪ builds an argument with several points and supporting statements for each</li> </ul>   |        |

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