Partner Pattern Critique

Standard: Students can describe a pattern and predict future entry.
          Students will remain on-task while working with others.
          Students will effectively critique the reasoning of others.

Task: You will create a visual pattern that your partner will use to predict the next steps in the pattern. At the end of this task, you will turn in three sheets of paper:
The first will have your final pattern with at least 4 stages. The second will have your partner's pattern copied with 2 more stages you have predicted as well as a written explanation of your reasoning.
The third will have a paragraph that describes your pattern and answers the following questions:
  • What changes at each stage?
  • Why did you create your pattern this way?
  • Do you think it will be easy or hard for your partner to predict the next stages?
  • What about your pattern makes it difficult or hard?
As well a paragraph that critiques your partner's prediction and answers the following questions:
  • Was your partner accurate?
  • Was his or her though process logical?
  • Did he or she do anything that surprised you?
  • What would you suggest to your partner so he or she could improve?
As you are working, I will walk around to answer questions and observe whether you are remaining on-task or not.

Your work will be graded using the following rubric:

<table>
<thead>
<tr>
<th></th>
<th>Unsatisfactory 0-1 pt.</th>
<th>Fair. 2 pts.</th>
<th>Satisfactory 3 pts.</th>
<th>Excellent 4 pts.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pattern</strong></td>
<td>Pattern has no logical progression.</td>
<td>Pattern is follows logical progression, but has many flaws.</td>
<td>Pattern is follows logical progression, but has a few flaws.</td>
<td>Pattern has multiple facets that change in a flawless logical manner.</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Description is missing or only one question is answered effectively.</td>
<td>Two questions are answered effectively.</td>
<td>Three questions are answered effectively.</td>
<td>All four questions are answered effectively.</td>
</tr>
<tr>
<td><strong>Critique</strong></td>
<td>Critique is missing or only one question is answered effectively.</td>
<td>Two questions are answered effectively.</td>
<td>Three questions are answered effectively.</td>
<td>All four questions are answered effectively.</td>
</tr>
<tr>
<td><strong>on-task</strong></td>
<td>Student was seen off-task 4+ times.</td>
<td>Student was seen off-task 2 – 3 times.</td>
<td>Student was seen off-task 1 time.</td>
<td>Student was on task entire time.</td>
</tr>
</tbody>
</table>