

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**BLM U2-2**

## Unit 2 Project Rubric – Option 1

Criteria	Level 1	Level 2	Level 3	Level 4	Level 5
<b>Understanding</b>					
<ul style="list-style-type: none"> <li>• <b>strategies and mathematical processes</b></li> <li>• <b>comparisons and connections</b></li> </ul>	<ul style="list-style-type: none"> <li>• develops an initial start</li> <li>• selects parabolic object, but cannot connect a function to the situation</li> </ul>	<ul style="list-style-type: none"> <li>• develops some relevant strategies and procedures</li> <li>• provides some correct links</li> </ul>	<ul style="list-style-type: none"> <li>• develops relevant strategies and procedures</li> <li>• correctly selects a motion or fixed object that demonstrates a parabolic shape</li> </ul>	<ul style="list-style-type: none"> <li>• develops thoroughly</li> <li>• are reasonable; demonstrate a clear understanding</li> </ul>	<ul style="list-style-type: none"> <li>• develops thoroughly</li> <li>• are significant; demonstrate a comprehensive understanding</li> </ul>
<b>Connections</b>					
<ul style="list-style-type: none"> <li>• <b>procedures</b></li> <li>• <b>reflect level of understanding</b></li> </ul>	<ul style="list-style-type: none"> <li>• reflects a correct start</li> <li>• has difficulty choosing images that are truly parabolic</li> </ul>	<ul style="list-style-type: none"> <li>• initiates a calculation using a quadratic function with some success</li> <li>• chooses images or objects that are parabolic, but has some difficulty determining the function</li> </ul>	<ul style="list-style-type: none"> <li>• are basic</li> <li>• determines a quadratic function that reasonably models their example</li> </ul>	<ul style="list-style-type: none"> <li>• are reasonable</li> <li>• may contain an error in determining one of the functions</li> </ul>	<ul style="list-style-type: none"> <li>• are efficient and effective</li> <li>• may contain a minor mathematical error that does not affect understanding of the overall project</li> </ul>
<b>Communicating</b>					
<ul style="list-style-type: none"> <li>• <b>use of mathematical language</b></li> <li>• <b>level of support for conclusions</b></li> </ul>	<ul style="list-style-type: none"> <li>• uses poorly or does not use it</li> <li>• provides weak or no support for conclusion(s)</li> </ul>	<ul style="list-style-type: none"> <li>• uses little or none</li> <li>• provides minimal information linking a quadratic with their image and when a quadratic is a good model for the situation</li> </ul>	<ul style="list-style-type: none"> <li>• uses common language</li> <li>• attempts to explain why their choice should be quadratic in nature</li> </ul>	<ul style="list-style-type: none"> <li>• uses appropriate language</li> <li>• good communication that addresses when a quadratic is a good model and the limitation of the given situation</li> </ul>	<ul style="list-style-type: none"> <li>• uses significant language</li> <li>• provides in-depth support for conclusion(s)</li> </ul>



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**BLM U2-2**  
(continued)

Criteria	Level 1	Level 2	Level 3	Level 4	Level 5
<b>Presenting</b>					
<ul style="list-style-type: none"> <li>• <b>appropriateness of format</b></li> <li>• <b>clarity</b></li> <li>• <b>audience appeal</b></li> <li>• <b>accuracy of information</b></li> </ul>	<ul style="list-style-type: none"> <li>• includes an initial start to a format</li> <li>• includes little or no communication</li> <li>• audience is not considered</li> <li>• information presented does not link a quadratic with the image</li> </ul>	<ul style="list-style-type: none"> <li>• uses format that may not be appropriate or well developed</li> <li>• may communicate at a basic level</li> <li>• provides weak appeal to audience</li> <li>• information presented is minimally supported by the research</li> </ul>	<ul style="list-style-type: none"> <li>• uses reasonable format</li> <li>• communicates with some difficulty</li> <li>• may not consistently communicate directly to audience or consider needs/interests of audience</li> <li>• information is basic and, for the most part, is supported by the research</li> </ul>	<ul style="list-style-type: none"> <li>• uses appropriate format</li> <li>• provides clear communication</li> <li>• communicates directly to audience</li> <li>• information is accurate, but may not provide support for what determines a good model</li> </ul>	<ul style="list-style-type: none"> <li>• uses appropriate format with significant authority</li> <li>• provides clear and concise communication</li> <li>• focuses on needs and interests of intended audience</li> <li>• information is accurate and in-depth</li> </ul>

