

Name: _____

Date: _____

BLM U2-2

Unit 2 Project Rubric – Option 1

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



Name: _____

Date: _____

BLM U2-2
(continued)

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

