

Name: _____ Date: _____

BLM U2–3

Unit 2 Project Rubric – Option 2

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 but is unable to link concepts • uses a quadratic from another source, but does not link to one of their trajectories 	<ul style="list-style-type: none"> • makes initial start to various sections of the project • the graph of at least one function is correct and the coordinates for at least one missile are indicated 	<ul style="list-style-type: none"> • makes initial correct start to all section of the project • correctly selects and displays a ski resort with at least two correct avalanche locations identified 	<ul style="list-style-type: none"> • develops thoroughly • provides a complete response to all parts of the project 	<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"> • may have a correct quadratic for their projectiles • unable to explain or link the quadratic to their diagram 	<ul style="list-style-type: none"> • may be partially correct • one quadratic function provides a reasonable trajectory 	<ul style="list-style-type: none"> • are basic • determines a quadratic function and graphs the trajectory of at least two sites correctly 	<ul style="list-style-type: none"> • are reasonable • may contain an error involving one of the missile trajectories 	<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 • report contains little or no information linking a quadratic with their site or the projectile motion 	<ul style="list-style-type: none"> • uses little or none • report may contain information limited to the discussion of one missile and landing point 	<ul style="list-style-type: none"> • uses common language • provides minimal support for conclusion(s) 	<ul style="list-style-type: none"> • uses appropriate language • good communication addresses location, path, and landing for all three sites 	<ul style="list-style-type: none"> • uses significant language • provides in-depth support for conclusion(s)



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(continued)

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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 • provides no support for locations to position avalanche cannons 	<ul style="list-style-type: none"> • uses format that may not be appropriate or well developed • includes some communication • provides weak appeal to audience • information presented is minimally supported by the research 	<ul style="list-style-type: none"> • uses reasonable format • report may lack clarity or contain minor errors • may not consistently communicate directly to audience or consider needs/interests of audience • provides answers to all question without supporting work or justification 	<ul style="list-style-type: none"> • uses appropriate format • provides clear communication • communicates directly to audience • uses a quadratic that may not be the best representation for one of the locations 	<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

