

Unit 3 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 • finds an equation or formula involving radicals but cannot connect the radical to space exploration or contributions of astronomer 	<ul style="list-style-type: none"> • develops some relevant strategies and procedures • finds an equation or formula involving radicals and identifies the space-related link 	<ul style="list-style-type: none"> • develops relevant strategies and procedures • correctly completes the selection of an equation or formula involving radicals related to space exploration or contributions of astronomer 	<ul style="list-style-type: none"> • develops thoroughly • are reasonable; demonstrate a clear understanding of the relationship of the equation or formula to space exploration or contributions of astronomer 	<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 • may attempt to explain mathematics involved and how equation or formula relates to space exploration but poor communication makes link unclear 	<ul style="list-style-type: none"> • may be partially correct • provides some explanation of mathematics involved and some aspects of how equation or formula relates to space exploration 	<ul style="list-style-type: none"> • are basic • provides reasonable explanation of mathematics involved and how equation or formula relates to space exploration 	<ul style="list-style-type: none"> • are reasonable • explanation may contain a mathematical error that may hinder understanding 	<ul style="list-style-type: none"> • are efficient and effective • explanation may contain a minor mathematical error that does not affect understanding
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 information linking the equation or formula and distance or motion in space 	<ul style="list-style-type: none"> • uses little or none • provides minimal information linking the equation or formula and distance or motion in space 	<ul style="list-style-type: none"> • uses common language • provides basic support linking the equation or formula and distance or motion in space 	<ul style="list-style-type: none"> • uses appropriate language • provides clear support that addresses how the equation or formula relates to distance or motion in space 	<ul style="list-style-type: none"> • uses significant language • provides in-depth support for how the equation or formula relates to distance or motion in space



Name: _____ Date: _____

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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"> • may include an initial start to a format • includes little or no communication • audience is not considered • information presented is not supported by the research 	<ul style="list-style-type: none"> • uses format that may not be appropriate or well developed • communicates 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 • report may lack clarity or contain minor errors • may not consistently communicate directly to audience or consider needs/interests of audience • information presented is basic and for the most part supported by the research 	<ul style="list-style-type: none"> • uses appropriate format • provides clear communication • communicates directly to audience • information presented is accurate 	<ul style="list-style-type: none"> • uses appropriate format with significant authority • provides clear and concise communication • focusses on needs and interests of intended audience • information presented is accurate and in-depth

