

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



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

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

**BLM U3-2**

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

