# ASTR 1771 Rubric for the Gemini Project Report – 40 Possible Points – Graded Individually

<table>
<thead>
<tr>
<th>Category / Score</th>
<th>Expert</th>
<th>Proficient</th>
<th>Apprentice</th>
<th>Novice</th>
<th>Notes</th>
<th>Score</th>
</tr>
</thead>
</table>
| **Object Background** (10 Points) | • Object background contains useful and interesting information  
• Narrative is a pleasure to read, engages the subject matter at a high level, and may yield new information even for experts | • Object background contains useful and accurate information  
• Narrative is engaging | • Object background contains key information but is too short, sparse on detail, or incorrect in some details  
• Narrative reads like a list of facts  
• Narrative is light on length/content | • Object background is lacking, non-existent, or blatantly false  
• Narrative is dull to read  
• Narrative is not nearly long enough to convey meaningful information | | |
| **Calculation and Explanation** (15 Points) | • Calculation is correct and clearly/cleanly explained  
• Another student could repeat and understand the calculation based on provided description | • Calculation is correct  
• Another student could repeat the calculation based on provided description, but may struggle to generalize beyond this | • Calculation is mostly correct, but inadequate detail is provided  
• Expert/instructor/prior knowledge would be required alongside the description provided to repeat the calculation | | |
| **Citations** (5 Points) | • Several (4 – 5+) appropriate citations  
• Citations demonstrate diverse literature search | • A handful (3 – 5) of appropriate citations  
• Citations demonstrate adequate search | • A few (2 – 4) appropriate citations  
• Citations are exclusively “front page” results | | |
| **Clarity** (10 points) | • No spelling & grammar mistakes  
• Vocabulary use is appropriate and displays mastery of content | • Minimal spelling & grammar mistakes  
• Vocabulary use is appropriate | • Noticeable spelling & grammar mistakes  
• Vocabulary use is correct but clunky/awkward | | |

**Final Score**