

| Project 2 Rubric | Padawan missing numerous | Proficient generally demonstrates | Outstanding thoroughly demonstrates |
|--|--------------------------------|---|---|
| LG 1: I can examine a single issue from multiple perspectives. <ul style="list-style-type: none"> • Unsolved scientific/mathematical question • Listing of related interdisciplinary fields, & pros and cons • Enough sources with differing viewpoints • Interesting scientific/mathematical pictures | | | |
| LG 2: I can conduct and summarize quality research. <ul style="list-style-type: none"> • Contains quality research and citations on each point in the pros and cons, and sources of pictures • For all but the pictures, researches the type of publication and the credentials of the authors | | | |
| LG 3: I can analyze the arguments of others and connect them to me, including current scientific consensus. <ul style="list-style-type: none"> • Meaningful and creative conclusion that includes current scientific consensus and contains your own thoughts on the problem—what is most compelling to you and why • Quality peer review (can be informal) | | | |
| LG 4: I can communicate effectively to produce publication-quality written, verbal and visual work in a logical, organized manner that demonstrates consideration of context, audience, and purpose. <ul style="list-style-type: none"> • Publication-quality exposition, consistent format, own words • Attractive display, each pro/con side is one 8.5x11 sheet | | | |

| Relationship of Active Retrievals (AR) and Learning Goals (LG) to Course Grade | missing | Padawan still training | Jedi Knight C | Jedi Master A |
|--|---------|------------------------------|---|--|
| AR 1: I can make a good faith effort in answering homework questions. | | | 5 | 9 |
| AR 2: I can produce thoughtful reflections. | | | 2 | 5 |
| AR 3: I can produce quality projects. | | | 2 attempts 1 proficient | 1 proficient 1 outstanding |
| LG 1: I can examine a single issue from multiple perspectives | | | 1 reflection 1 project | 2 reflections 2 projects |
| LG 2: I can conduct quality research and summarize what I found. | | | 1 project | 1 reflection 2 projects |
| LG 3: I can analyze the arguments of others and connect them to me, including current scientific consensus. | | | 1 reflection attempt project | 2 reflections 1 project |
| LG 4: I can communicate effectively to produce publication-quality written, verbal and visual work... | | | 1 reflection 1 project | 2 reflections 1 project |
| LG 5: I can make connections with others and the university through a shared process of inquiry via regular attendance and respectful participation in our classroom community (community membership). | | | ≤ 8 absences and positive participation | regular attendance and positive participation |