

Project 1 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"> • Interesting and important controversies • Interesting and important scientific breakthroughs and their timeframes (can use ~ or range of dates), not the entire history of a topic • Contributions from diverse scientist/mathematicians from around the world • Scientific/mathematical pictures 			
LG 2: I can conduct and summarize quality research. <ul style="list-style-type: none"> • Contains quality research, citations and annotations, and sources of pictures • Items are firmly grounded in science/mathematics • Researches what kind of scientist and where from • Researches some modern connections, if possible 			
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, timeline portion is 2 pages • Quality peer review (can be informally written) 			

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