This sample grading rubric moves beyond "static grades" that only provide a snapshot of performance. Instead, it focuses on **behavioral signals** and **demonstrated capability**, treating the assignment as a "crucible" for real-world skills .

### AI-Integrated Interdisciplinary Project Rubric

| **Criteria** | **Developing** | **Proficient** | **Exemplary** |
| --- | --- | --- | --- |
| **Critical AI Engagement** | Uses AI to generate final content with minimal verification . | Uses AI to draft sections and performs basic fact-checking for "hallucinations". | Uses AI as a **thought partner** to stress-test logic, identify gaps, and explore alternative arguments. |
| **First-Principles Thinking** | Relies on standard templates or "prompt engineering" without deep domain insight. | Applies standard disciplinary models to the assigned challenge. | Acts as a **"Questioner,"** stripping away assumptions to reframe the problem from fundamentals . |
| **Interdisciplinary Synthesis** | Combines data from different fields into a patchwork without true integration. | Connects patterns between disciplines to support a primary solution. | Integrates conflicting disciplinary perspectives to create a coherent, novel solution. |
| **Algorithmic Bias Awareness** | Uncritically accepts AI outputs as neutral data. | Acknowledges potential bias but does not actively audit the project's AI tools. | Conducts a **formal audit** of AI tools used, documenting limitations and mitigating potential demographic bias. |
| **Deliverable Quality & Impact** | Produces a standard report with limited actionable utility. | Produces a functional prototype or policy brief suitable for community partners. | Delivers high-value **evidence of capability** (e.g., a "shipped" product or verified value creation). |
| **Learning Velocity (Process)** | Struggles to adapt when errors are detected; follows a linear path. | Pivot once or twice in response to feedback or unexpected data. | Demonstrates high **learning velocity** by rapidly detecting errors, pivoting, and rebuilding based on feedback. |

### How to Apply This to the "Signalling Stack"

This rubric does not result in a simple letter grade. Instead, the data is used to populate a student’s **Evidence Layer** in their professional portfolio:

* **Verified Skills**: Successful completion generates a blockchain-secured micro-credential in "Interdisciplinary Problem Solving" or "AI Auditing".
* **Behavioral Data**: The "Learning Velocity" score provides employers with a signal of the student's adaptability—a trait more valuable than a static GPA.
* **The Artifact**: The final deliverable (code, prototype, brief) is added to the student's "transcript of projects," proving what they can actually do.

**Would you like me to draft a sample "Project Brief" for a team of students in this program?**