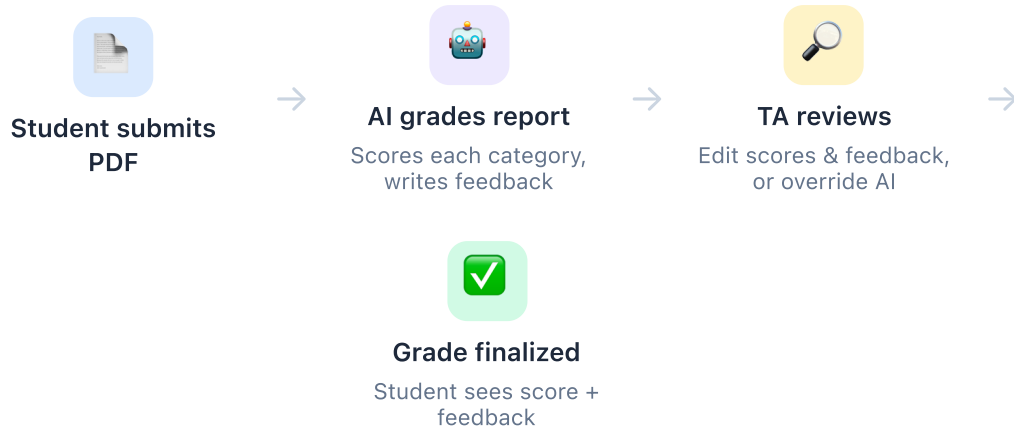


Cosmo Grading Rubric & Workflow

Anime-cosmology report grading — AI suggests, TA finalizes

Workflow

Every report goes through this pipeline. The TA always has final say.



Point Distribution (100 total)

How the 100 points are split across the 5 categories.



Detailed Rubric

Each category is scored on fixed tiers. Between two tiers, always use the lower score.

1. Anime Introduction

10 pts

Does the student show genuine familiarity with the anime/sci-fi work?

- 10 | Names the work, summarizes plot in 3+ sentences, identifies cosmology-relevant themes
- 8 | Names the work, reasonable summary, but misses key themes
- 6 | Names the work with a brief 1-2 sentence summary
- 4 | Mentions the work but only superficial or inaccurate synopsis
- 2 | Barely mentions the work; no meaningful summary
- 0 | Missing or completely off-topic

2. Cosmology-Anime Connection

30 pts

Does the student tie specific cosmological concepts to specific scenes in the anime?

- 30 | 3+ cosmological concepts identified with concrete scene references
- 25 | 2 concepts with scene references, or 3+ concepts without specific scenes
- 20 | 1-2 concepts with some scene context
- 15 | 1 concept but the connection is vague or superficial
- 10 | Mentions cosmology in passing without tying it to the anime
- 5 | Attempts a connection but it is incorrect or incoherent
- 0 | No connection between the anime and cosmology

3. Cosmological Concepts

30 pts

Does the student explain real cosmology accurately, beyond what the anime shows?

- 30 | 3+ real concepts explained accurately, goes beyond anime-level discussion
- 25 | 2-3 concepts explained accurately with some depth
- 20 | 1-2 concepts explained correctly at a basic level
- 15 | Attempts to explain concepts but contains minor inaccuracies
- 10 | Contains significant inaccuracies or misunderstandings
- 5 | Mentions concepts by name only, with no real explanation
- 0 | No cosmological content beyond the anime discussion

4. References

15 pts

Did the student cite credible cosmology/astronomy sources?

- 15 | 3+ credible references, properly cited
- 12 | 2 credible references with proper citations
- 9 | 1 credible reference with proper citation
- 6 | References listed but none are credible or relevant
- 3 | Only non-credible references (anime wikis, blogs, AI summaries)
- 0 | No references

5. Writing Quality

15 pts

Is the report well-structured, clear, and readable?

- 15 | Clear structure (intro, body, conclusion), logical flow, minimal errors
- 12 | Mostly clear with minor structural issues or a few grammar errors
- 9 | Readable but disorganized or frequent grammar issues
- 6 | Poorly organized and difficult to follow
- 3 | Mostly incoherent but some content is discernible
- 0 | Incoherent or unreadable

What Counts as a Credible Reference?

Course lecture slides count as one reference regardless of how many slide decks are cited.

Credible

Peer-reviewed journal articles
Textbooks (incl. Serjeant's *Observational Cosmology*)
NASA / ESA / JAXA official pages
ArXiv preprints
Course lecture notes/slides
PBS Space Time videos

Not Credible (on their own)

Wikipedia (OK only as supplementary)
Anime wiki pages
Personal blogs
AI-generated summaries

Overall Grade Scale

After summing the 5 category scores.

85 - 100
Excellent

70 - 84
Good

55 - 69
Adequate

40 - 54
Below
expectations

0 - 39
Insufficient

Grading Rules

Fixed tiers only — Scores must be one of the listed tier values. No in-between scores (e.g., no "22" for a 30-point category).

When in doubt, round down — If a submission falls between two tiers, always assign the lower tier's score.

Score categories independently — Don't let a weak intro drag down the concepts score, or vice versa.

AI suggests, TA decides — The AI pre-fills scores and feedback. The TA can accept, edit, or completely override before saving.

Return option — If a submission needs revision, the TA can return it to the student instead of grading. The student gets notified and can re-upload.

Sig figs matter — If a student reports a value like $H_0 = 67.74823$ km/s/Mpc from a rough estimate, note the inappropriate precision.