

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-02-03

Name

Period

Date

Lesson

Lesson focus

Credible source check

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Evaluate sources for credibility and identify prior art relevant to your ER design problem.
Big idea: Prior art tells you what has already been tried -- knowing it prevents you from reinventing the wheel and reveals the gap your design actually needs to fill.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- credibility
- citation
- prior art
- needs assessment
- source bias

My notes, examples, and questions

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Cornell Notes - Continued

Key words and questions

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Must-know ideas
What should I understand by the end?

- The four credibility criteria for evaluating a source: authority, accuracy, currency, and bias.
- What prior art is in engineering and why identifying it is a required step before designing.
- How to apply a credibility rubric to three sources and decide which to keep.

My notes, examples, and questions

Process notes
What happens during class?

- 0-10: Introduce the four credibility criteria: authority, accuracy, currency, and bias
- 10-30: Find three sources addressing your design problem using school-approved databases
- 30-50: Score each source on the four criteria and record in your research log
- 50-60: Identify one piece of prior art relevant to your problem
- 60-72: Note which sources you will keep and why; submit the credibility check
- 72-80: Exit check: name the weakest source and the credibility criterion it fails

My notes, examples, and questions

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Cornell Notes - Continued

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Prepared details and student notes

Steps and evidence What do I do and turn in?

- Find three sources addressing your design problem.
- Score each for authority, accuracy, currency, and bias.
- Identify one piece of prior art: an existing solution to a similar problem.
- Note on a shortened day which sources you will keep and why.
- Submit your source-credibility check.

Evidence: Tracker entry - Source credibility check: three sources scored on authority, accuracy, currency, and bias, plus one prior-art identification and keep/reject decisions.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- You can rate a source's credibility on named criteria.
- You can identify relevant prior art for your problem.

My notes, examples, and questions

Lab or safety notes What must I handle carefully?

No special lab safety notes today. Follow normal classroom and digital-work expectations.

My notes, examples, and questions

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Cornell Notes - Continued

Summary

Today's lesson focused on Credible source check. The main target was: Evaluate sources for credibility and identify prior art relevant to your ER design problem. The evidence of learning is Tracker entry: Source credibility check: three sources scored on authority, accuracy, currency, and bias, plus one prior-art identification and keep/reject decisions.. In my own words, the most important idea from today is:

My summary

My final question or connection