

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-01-21

Name

Period

Date

Lesson

Lesson focus

Design notebook setup

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Set up a design notebook and innovation portfolio that documents dated, evidence-based engineering work. Big idea: A dated, organized design notebook is the primary evidence that your engineering work is rigorous and reproducible.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- innovation
- prototype
- constraint
- criterion
- evidence
- PPE

My notes, examples, and questions

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Cornell Notes - Continued

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

- The four notebook sections that must exist before any work begins: problem framing, sketches, data, and reflection.
- What distinguishes an evidence-quality notebook entry from a rough note.
- How the portfolio folder structure mirrors the PLTW problem sequence.

My notes, examples, and questions

Process notes
What happens during class?

- 0-10: Portfolio rubric review: what counts as evidence and what does not
- 10-25: Notebook setup: create and label the four required sections
- 25-45: First dated entry: record today's objective and your name on page 1
- 45-60: Portfolio folder setup: mirror the PLTW problem structure in your digital folder
- 60-75: Submit screenshot or scan of initialized notebook and folder structure
- 75-80: Pair-check: swap notebooks and verify the other person's sections and date

My notes, examples, and questions

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Steps and evidence What do I do and turn in?

- Create notebook sections for problem framing, sketches, data, and reflection.
- Read the rubric for what counts as portfolio evidence.
- Date and label your first page and record today's objective.
- Set up the portfolio folder structure that mirrors the PLTW problems.
- Submit a screenshot or scan of your initialized notebook and portfolio.

Evidence: Notebook check - Initialized design notebook with four labeled sections and a dated first entry, plus a portfolio folder screenshot.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- Your notebook has dated, labeled sections ready for daily evidence.
- You can explain what makes a notebook entry count as evidence.

My notes, examples, and questions

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Lab or safety notes
What must I handle carefully?

Supplies:

- Safety goggles
- Nitrile gloves
- Lab apron or coat
- Eyewash station
- Chemical waste container
- Printed or digital Safety Data Sheet
- Bound design notebook

My notes, examples, and questions

Summary

Today's lesson focused on Design notebook setup. The main target was: Set up a design notebook and innovation portfolio that documents dated, evidence-based engineering work. The evidence of learning is Notebook check: Initialized design notebook with four labeled sections and a dated first entry, plus a portfolio folder screenshot.. In my own words, the most important idea from today is:

My summary

My final question or connection