Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-01-28

Name	Period	Date	Lesson
		2027-01-28	

Lesson focus

Patient flow workflow

Key words and questions	Prepared details and student notes
Essential question **What is today's target?**	Diagram the patient flow through an emergency room and locate bottlenecks. Big idea: A bottleneck in a patient-flow system is where the human cost of an inefficient design becomes measurable -- finding it is the first step to fixing it. **My notes, examples, and questions**
Key words **What vocabulary unlocks the lesson?**	- triage - stakeholder - system - constraint - workflow - inefficiency **My notes, examples, and questions**

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-01-28

Cornell Notes - Continued

Key words and questions	Prepared details and student notes
Must-know ideas **What should I understand by the end?**	- The sequence of steps a patient moves through from ER arrival to discharge. - What a bottleneck is and how to locate one by looking for where waiting or queuing accumulates. - How systems thinking connects a single bottleneck to the experience of every stakeholder downstream. **My notes, examples, and questions**
Process notes **What happens during class?**	- 0-10: Introduce patient-flow diagrams: what they show and how to read them - 10-30: List and sequence every step from ER arrival to discharge - 30-50: Annotate the workflow: mark waiting zones and queue points - 50-65: Bottleneck analysis: identify the highest-impact bottleneck and justify it with reasoning - 65-77: Submit annotated workflow notes with bottlenecks labeled - 77-80: Exit check: one-sentence explanation of why your chosen bottleneck matters most **My notes, examples, and questions**

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-01-28

Cornell Notes - Continued

Key words and questions	Prepared details and student notes
Steps and evidence **What do I do and turn in?**	- List the sequence of steps a patient moves through from arrival to discharge. - Mark where waiting or queuing happens. - Identify the step most likely to be a bottleneck and why. - Annotate the workflow with one systems constraint at each bottleneck. - Submit your workflow notes with bottlenecks labeled. Evidence: Notebook check - Patient-flow workflow diagram annotated with queue points, one identified bottleneck, and a written justification of why it is the highest-impact constraint. **My notes, examples, and questions**
Checks for understanding **How do I know I got it?**	- You can diagram patient flow from arrival to discharge. - You can identify and justify at least one bottleneck. **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**

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-01-28

Cornell Notes - Continued

Summary

Today's lesson focused on Patient flow workflow. The main target was: Diagram the patient flow through an emergency room and locate bottlenecks. The evidence of learning is Notebook check: Patient-flow workflow diagram annotated with queue points, one identified bottleneck, and a written justification of why it is the highest-impact constraint.. In my own words, the most important idea from today is:

My summary

My final question or connection