



This blog essay is a great example of Career and Technical Education where high school students work in teams.

How to Design an Efficient and Effective Emergency Room

The blog essay, *Biomedical Innovations: Redesigning the ED*, was written by coauthor Sarah Powley. It shows the project-based learning encountered when students are faced with a real life situation to collaborate and solve problems.

<https://sarahpowley.wordpress.com/2014/12/03/biomedical-innovations-redesigning-the-ed/>

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Biomedical Innovations: Redesigning the ED

DECEMBER 3, 2014 - SARAH POWLEY



We could see there's a problem with too many visitors in the patients' rooms sometimes."

Heads nodded.

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The administrators jotted down the details.

"You definitely need another door at the triage desk."

More heads nodded.

"The nurses told us there's a flow problem with the storage rooms. You have to go to two different ones. If you had a universal storage system—one central room with two entrances and supplies shelved identically on either end—then you'd improve efficiency."

People took notes.

One afternoon this week, fifteen seniors from McCutcheon High School presented their plan for redesigning the Emergency Department at IU-Arnett hospital to an audience of seventeen IU-Arnett nurses, educators, technicians, and administrators. The students are members of Mrs. Abi Bymaster's Biomedical Innovations class, the fourth and capstone course in Project Lead the Way's Biomedical Science sequence. One purpose of Biomedical Innovations is to give students a hands-on, real world experience designing an efficient—and thus, effective—emergency room. Mrs. Bymaster challenged her students to take the assignment to the next level—to work not in the abstract, but with a real hospital with a real

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I am a veteran English teacher and Instructional Coach for secondary teachers in Lafayette, Indiana.

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