

Building Bridges

With

Contextualized Design

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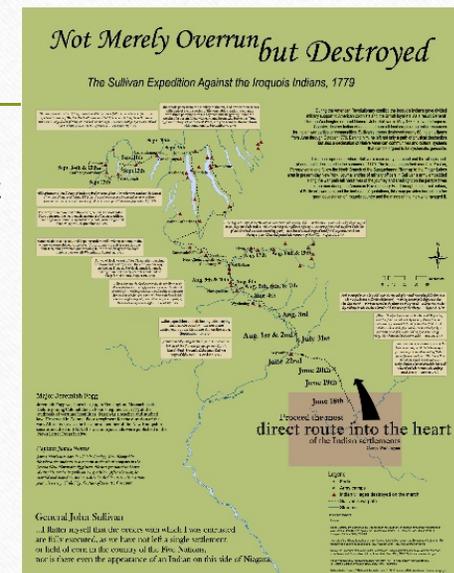
Objectives

- Establish connections between GED skills and use in post-secondary education
- Analyze the contextualized process to determine student needs
- Identify strategies or components applicable to your classroom
- Create a contextualized activity for use in your classroom.

Contextualized Design

The use of real world materials to increase student engagement.

- Increased student engagement
- Cross curricular skills for GED
- Skills that prepare students for post-secondary education





Building Bridges

More Than Test Prep

- Prepares students for transition into post-secondary education
- Focuses on skills students need to build productive persistence
- Gives students insight on the components of a career pathway

What Does Instruction Look Like?

In Bridge Classrooms, Teachers are...

- Linking instruction across disciplines
- Choosing authentic materials related to sector of study
- Facilitating more lecturing less
- Aligning instruction to college and career readiness standards and HSE exams
- Designing scaffold activities to develop students' skills

What Does Instruction Look Like?

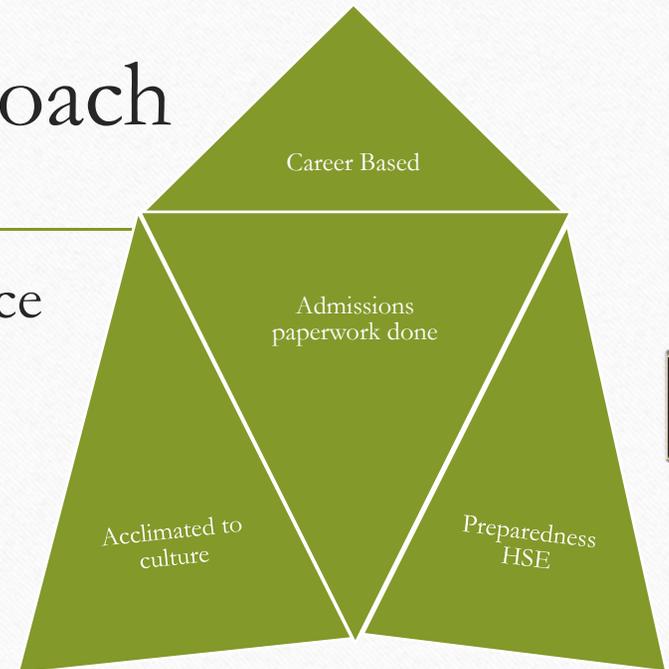
In Bridge Classrooms Students' Are...

- Learning collaboratively
- Practicing persistence
- Documenting progress and skill development
- Exploring college and career options
- Building deep conceptual knowledge and analytical skills across the curriculum



LuGuardia's Approach

- Three sector focus: health, business, science
- Managed enrollment
- 12 week course commitment
- 10 hours of instruction per week
- Seventh grade reading level required for admittance
- Includes transition services

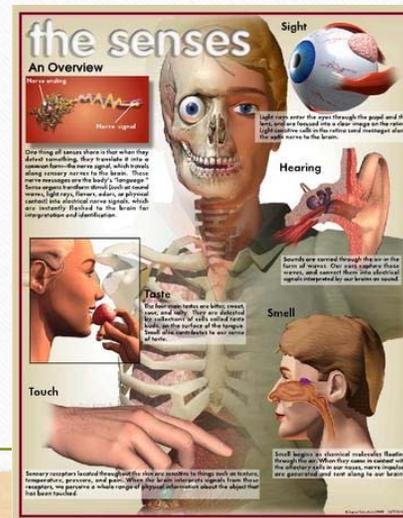


Initial Year of Implementation at Garnet Career Center

- Three rotating units: health, business, state department
- One unit taught every six weeks (one week emphasis)
- Speakers included for each unit
- Technology component featured to assist test taking skills

Sample Program Materials

- Review posters of lesson artifacts
- Identify a component that might appeal to your students
- Share results with your table

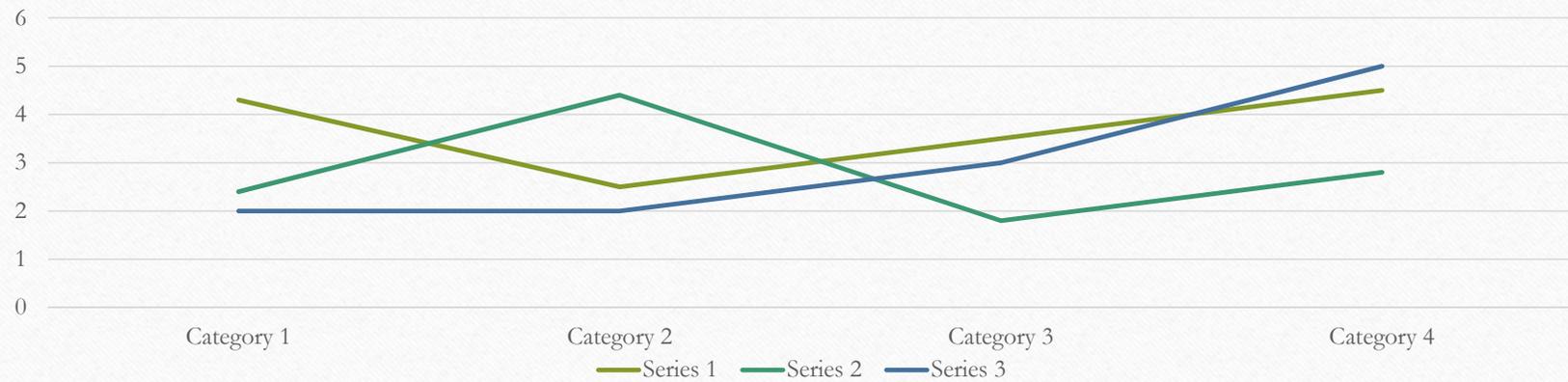


Cardio Rate Exercise

- This activity is an example of cooperation between our ABE program and a new health program in our building.
- Students in the new electrocardiogram certificate program have trouble learning to read the heart rate tape.
- As a result, a teacher at LaGuardia came up with an idea we could try.
- It is a great example of how bridge students learn skills needed to pass the HSE exam, it provides skills necessary to several community college courses.

Cardio Rate Exercise

Cardiac Output in mL/min = heart rate (beats/min) X stroke volume (mL/beat)



Calculating Cardiac Output

1. An average person has a resting heart rate of 70 beats/minute and a resting stroke volume of 70mL/beat. Calculate the cardiac output of an average person at rest.

Challenge question: If a person has a stroke volume of 70 and a cardiac output of 6300 what is the person's beat per minute? What did you do to solve this? Write an equation that solves the following question?

LaGuardia Bridge Program

Cardiac Workout

- In small groups you will complete the chart based on the given scenario.
- Next, you will convert that chart into a line graph on the large graphing paper provided.
- Use the horizontal axis (x axis) for time and the vertical axis (y axis) for cardiac output).
- Share your graph with your neighboring groups.

Cardiac Workout

1. After looking at other's graph, make some observations?
2. What did you learn or notice about cardiac output after completing the activity?
3. What was the most difficult part of this assignment? What did you need to keep in mind while graphing? What did you learn about graphing in this assignment?

Questions?



- Contextualized design?
- Building bridges?
- Selecting materials?
- Others?????

References

- ABE Contextualized Design Library by Leslie Humphreys, M.ed
- Designing Career Focused Basic Skills Instruction: Pre-College Academic Programming at LaGuardia Community College, July 2013
- Focused Basic Skill activity designed by: Serge Shea